Barron Transmission Project

General Information

Proposing entity name	CONFIDENTIAL INFORMATION
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	CONFIDENTIAL INFORMATION
Company proposal ID	CONFIDENTIAL INFORMATION
PJM Proposal ID	27
Project title	Barron Transmission Project
Project description	The Barron transmission project consists of a the following components: 1) new 765/345kV Barron substation, 2) A new double circuit 345kV transmission line from the new Barron Substation to the existing Hayden Substation, 3) Splitting the existing Conesville - Hyatt 345kV single circuit line and looping it into the existing Vassel substation, 4) Sag studys for the Genoa - Westar and Genoa - Spring Road 138kV transmission lines to increase their ratings, 5) Reconductoring the existing Maliszewski - Polaris and Polaris - Westar 138kV transmission lines.
Email	CONFIDENTIAL INFORMATION
Project in-service date	06/2028
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	CONFIDENTIAL INFORMATION
Project Components	

- 1. Hayden Substation Upgrade
- 2. Barron Substation

3. Barron - Hayden Double Circuit 345kV Transmission Line

4. Vassell Substation Upgrade

- 5. Marysville Flatlick 765kV T-Line Interconnect
- 6. Vassell Conesville 345kV Transmission Line
- 7. Vassell Hyatt 345kV Transmission Line
- 8. Conesville Hyatt 345kV Interconnect
- 9. Genoa Westar 138kV Sag Study
- 10. Genoa Spring Road Switch 138kV Sag Study
- 11. Maliszewski Polaris 138kV Reconductor
- 12. Polaris Westar 138kV Reconductor

Substation Upgrade Component

Component title	Hayden Substation Upgrade
Project description	CONFIDENTIAL INFORMATION
Substation name	Hayden 345kV Substation
Substation zone	1253
Substation upgrade scope	The Hayden 345kV substation upgrade consists of adding one additional bay on the west side of the substation (within its existing footprint) and converting the station to a breaker and a half layout. Two new positions will be added, one in the new bay and one in an existing bay, to terminate the new Barron - Hayden double circuit 345kV transmission line.
Transformer Information	
None	
New equipment description	345kV Circuit Breakers (6): 3000A continuous current rating 345kV Circuit Breaker Isolation Disconnect Switches & associated jumper assemblies: 3000A continuous current rating, 1792 MVA rating, and a short circuit current rating of 63kA.
Substation assumptions	The substation can be expanded to the northwest to accommodate the new connections within it's existing footprint.
Real-estate description	N/A
Construction responsibility	CONFIDENTIAL INFORMATION

Benefits/Comments	CONFIDENTIAL INFORMATION
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION
Contingency	CONFIDENTIAL INFORMATION
Total component cost	\$14,105,310.00
Component cost (in-service year)	\$14,960,301.90
Greenfield Substation Component	
Component title	Barron Substation
Project description	CONFIDENTIAL INFORMATION
Substation name	Barron Substation
Substation description	The Barron Substation will consist of a 3-position double breaker 765kV yard, a 765/345kV transformer, and a 3-position 345kV ringbus.
Nominal voltage	AC
Nominal voltage	765/345
Transformer Information	

Name

Capacity (MVA)

Transformer	Barron Transformer	2403	3
	High Side	Low Side	Tertiary
Voltage (kV)	765	345	
Major equipment description	765kV circuit breakers (6) will h short circuit current rating of 63 breakers (3) will have a continu current rating of 63kA. 345kV te	ave a continuous currer kA. 765kV terminal equi ous current rating of 500 erminal equipment will be	nt rating of 4000A, a 5300 MVA rating, and a ipment will be rated at 4000A. 345kV circuit 00A, a 2987 MVA rating, and a short circuit e rated at 5000A.
	Normal ratings	Eme	rgency ratings
Summer (MVA)	5300.000000	5300	0.000000
Winter (MVA)	5300.000000	5300	0.000000
Environmental assessment	The proposed Project was sited environmental concern based of limited number of wetlands and regulation under certain permitt 10 of the Rivers and Harbors A qualified consultant to conduct the extent of proposed impacts of Engineers. In addition to the which may be required for the of minor due to the more limited e processes which follow. These and sedimentation control, road	to avoid and minimize i on GIS data. It is possible waterways. If so, Propo- ing programs, namely S ct, and Section 401 of th a wetlands delineation of and the need for specifi permits described above construction of the Project ffort to prepare application include permits related to a crossings, and utility ar	impacts to wetlands or other areas of le that the Project cannot avoid impacts to a oser expects the Project will be subject to Section 404 of the Clean Water Act, Section he Clean Water Act. Proposer will engage a of the selected site/route in order to establish ic permits from the state or U.S. Army Corps e, Proposer has identified other permits for. Proposer considers these permits to be ions and the less intensive permitting to airspace clearance, stormwater/erosion nd railroad crossings.
Outreach plan	Proposer will identify and engage the Project area, early in the pro- may be held to offer a venue for about the Project and for Propo- preferences. Proposer plans to public meetings to landowners	ge stakeholders, such as ocess and maintain an a r landowners and other ser to learn more about make information availa within the Project area a	s community officials and landowners within active dialogue throughout. Public meetings interested community members to learn specific landowner and community able on its website and provide notification of as required in the siting approval process.

Construction responsibility

Benefits/Comments

Component Cost Details - In Current Year \$

Engineering & design

Permitting / routing / siting

ROW / land acquisition

Materials & equipment

Construction & commissioning

Construction management

Overheads & miscellaneous costs

Contingency

Total component cost

Component cost (in-service year)

Greenfield Transmission Line Component

Component title

Project description

The Project will be located on new right-of-way to be purchased by Proposer. In addition, Proposer will procure any necessary easements required to access the site. Proposer will assign a Right-of-Way Manager to oversee all real estate related activities for the Project including appraisals, title work, surveying, land acquisition and restoration. A right-of-way agent will contact the property owner(s) in person to explain the Project and, as necessary, secure permission to conduct surveys, archaeological studies, etc. The right-of-way agent will be the primary point of contact to negotiate with the property owner to acquire the substation site and any required easements on a mutually agreeable basis. To the extent that negotiations reach an impasse, Proposer will be able to pursue eminent domain. The right-of-way agents will continue to act as a liaison with the property owners during construction and through the restoration process.

CONFIDENTIAL INFORMATION

CONFIDENTIAL INFORMATION

CONFIDENTIAL INFORMATION
CONFIDENTIAL INFORMATION
\$112,012,228.00
\$118,689,156.50

Barron - Hayden Double Circuit 345kV Transmission Line

CONFIDENTIAL INFORMATION

2023-W2-27

Point A	Barron	
Point B	Hayden	
Point C		
	Normal ratings	Emergency ratings
Summer (MVA)	1793.000000	1793.000000
Winter (MVA)	1793.000000	1793.000000
Conductor size and type	Double Bundle 954kcmil "Cardinal" ACSS/TW MA3	
Nominal voltage	AC	
Nominal voltage	345	
Line construction type	Overhead	
General route description	The Barron - Hayden route heads east out of the new Barron Substation and traverses through farmland and undeveloped land for approximately 12.7 miles before terminating at the Hayden Substation. The route does not cross any major waterways or major infrastructure. There are no habitable structures within the right of way and route crosses 49 parcels, with a total of 33 landowners. Based on desktop level data for mapped wetlands and floodplains, structures were sited such that there will be no permanent impact to these areas. There are no FAA regulated airports within the vicinity of the route.	
Terrain description	The terrain is flat farmland.	
Right-of-way width by segment	The right of way for the entire line would be 150 feet.	
Electrical transmission infrastructure crossings	Over the Darby Township - New California 69kV transmission line, Over the the National - Tangy 138kV transmission line	
Civil infrastructure/major waterway facility crossing plan	The proposer will secure crossing and encroachment permits, authorizations and agreements for existing linear infrastructure crossed by the project. The proposer will coordinate with easement holders including; municipal and county roads; oil and gas pipelines; transmission lines, and local distribution utilities (power, sewer, water, gas, fiber, etc.) to not interfere with existing easement rights crossed by the project. The proposer will obtain occupation agreements from municipal and county jurisdictions to place transmission facilities over municipal and county roads. The propose plans to secure crossing agreements with existing oil and gas pipelines and transmission lines.	

Environmental impacts	The proposed Project was sited to avoid and minimize impacts to wetlands or other areas of environmental concern based on GIS data. It is possible that the Project cannot avoid impacts to a limited number of wetlands and waterways. If so, Proposer expects the Project will be subject to regulation under certain permitting programs, namely Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and Section 401 of the Clean Water Act. Proposer will engage a qualified consultant to conduct a wetlands delineation of the selected site/route in order to establish the extent of proposed impacts and the need for specific permits from the state or U.S. Army Corps of Engineers. In addition to the permits described above, Proposer considers these permits to be minor due to the more limited effort to prepare applications and the less intensive permitting processes which follow. These include permits related to airspace clearance, stormwater/erosion and sedimentation control, road crossings, and utility and railroad crossings. The project will apply for coverage under the Ohio EPA general construction storm water permit. The timing of construction will be executed in accordance with U.S. Fish and Wildlife Service and Ohio Department of Natural Resources criteria.
Tower characteristics	The preliminary design for the double circuit transmission line utilizes tubular steel monopole structures with braced post insulators attached via the pole shaft in a vertical configuration. The dead end structures shall primarily be self-supported 2-pole deadends with strain insulators attached via the pole shaft in a vertical configuration. The transmission line will utilize horizontally spaced double-bundle 954 kcmil "Cardinal" ACSS/TW MA3 conductor and two optical groundwires.
Construction responsibility	CONFIDENTIAL INFORMATION
Benefits/Comments	CONFIDENTIAL INFORMATION
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION
Contingency	CONFIDENTIAL INFORMATION

Total component cost	\$36,231,756.00
Component cost (in-service year)	\$38,324,114.20
Substation Upgrade Component	
Component title	Vassell Substation Upgrade
Project description	CONFIDENTIAL INFORMATION
Substation name	Vassell Substation
Substation zone	1253
Substation upgrade scope	The Vassell345kV substation upgrade consists of adding two additional bays on the south side of the substation (within its existing footprint). Two new positions will be added, one in each bay to terminate the new Vassell - Conesville and Vassell - Hyatt single circuit 345kV transmission lines.
Transformer Information	
None	
New equipment description	345kV circuit breakers (4) will have a continuous current rating of 3000A, a 1793 MVA rating, and a short circuit current rating of 63kA. 345kV terminal equipment will be rated at 3000A.
Substation assumptions	The substation can be expanded to the northwest to accommodate the new connections within it's existing footprint.
Real-estate description	N/A
Construction responsibility	CONFIDENTIAL INFORMATION
Benefits/Comments	CONFIDENTIAL INFORMATION
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION

Construction & commissioning	CONFIDENTIAL INFORMATION	
Construction management	CONFIDENTIAL INFORMATION	
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION	
Contingency	CONFIDENTIAL INFORMATION	
Total component cost	\$10,970,797.00	
Component cost (in-service year)	\$11,635,790.40	
Transmission Line Upgrade Component		
Component title	Marysville - Flatlick 765kV T-Line Interconnect	
Project description	CONFIDENTIAL INFORMATION	
Impacted transmission line	Marysville - Flatlick 765kV T-Line	
Point A	Marysville	
Point B	Barrron	
Point C	Flatlick	
Terrain description	The terrain is flat farmland.	
Existing Line Physical Characteristics		
Operating voltage	765	
Conductor size and type	N/A	
Hardware plan description	N/A	
Tower line characteristics	N/A	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	765.000000	765.000000

	Normal ratings	Emergency ratings
Summer (MVA)	4047.000000	4349.000000
Winter (MVA)	4484.000000	4961.000000
Conductor size and type	Match Existing	
Shield wire size and type	Match existing	
Rebuild line length	0.1 miles	
Rebuild portion description	The existing line will be broken and two new dea into the new Barron 765kV Substation.	adend towers will be installed to facilitate looping
Right of way	No new right of way will need to be acquired. The right of way and will span into the new Barron su	e new structures will be installed in the existing ubstation.
Construction responsibility	CONFIDENTIAL INFORMATION	
Benefits/Comments	CONFIDENTIAL INFORMATION	
Component Cost Details - In Current Year \$		
Engineering & design	CONFIDENTIAL INFORMATION	
Permitting / routing / siting	CONFIDENTIAL INFORMATION	
ROW / land acquisition	CONFIDENTIAL INFORMATION	
Materials & equipment	CONFIDENTIAL INFORMATION	
Construction & commissioning	CONFIDENTIAL INFORMATION	
Construction management	CONFIDENTIAL INFORMATION	
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION	
Contingency	CONFIDENTIAL INFORMATION	
Total component cost	\$2,876,529.00	
Component cost (in-service year)	\$3,028,867.70	

Greenfield Transmission Line Component

Component title	Vassell - Conesville 345kV Transmission Line	
Project description	CONFIDENTIAL INFORMATION	
Point A	Vassell	
Point B	Conesville	
Point C		
	Normal ratings	Emergency ratings
Summer (MVA)	1217.000000	1245.000000
Winter (MVA)	1348.000000	1390.000000
Conductor size and type	Match existing Conesville - Hyatt 345kV line	
Nominal voltage	AC	
Nominal voltage	345	
Line construction type	Overhead	
General route description	The line heads east out of the existing Vassell substation, then proceeds north east for approximately 5 miles before terminating at a dead end structure to interconnect the existing Conesville - Hyatt 345kV line. The route does not cross any major waterways or major infrastructure. There are no habitable structures within the right of way and route crosses 30 parcels, with a total of 18 landowners. Based on desktop level data for mapped wetlands and floodplains, structures were sited such that there will be no permanent impact to these areas. There are no FAA regulated airports within the vicinity of the route.	
Terrain description	The terrain is mainly flat farmland with a few forested areas.	
Right-of-way width by segment	This line will parallel and be offset by approximately 50' to the proposed Vassell - Hyatt 345kV transmission. Due to this, the combined right of way for both of these transmission lines is 200 feet.	
Electrical transmission infrastructure crossings	Under the Kammer - Vassell 765kV transmission line	

Civil infrastructure/major waterway facility crossing plan	The proposer will secure crossing and encroachment permits, authorizations and agreements for existing linear infrastructure crossed by the project. The proposer will coordinate with easement holders including; municipal and county roads; oil and gas pipelines; transmission lines, and local distribution utilities (power, sewer, water, gas, fiber, etc.) to not interfere with existing easement rights crossed by the project. The proposer will obtain occupation agreements from municipal and county jurisdictions to place transmission facilities over municipal and county roads. The proposer plans to secure crossing agreements with existing oil and gas pipelines and transmission lines.
Environmental impacts	The proposed Project was sited to avoid and minimize impacts to wetlands or other areas of environmental concern based on GIS data. It is possible that the Project cannot avoid impacts to a limited number of wetlands and waterways. If so, Proposer expects the Project will be subject to regulation under certain permitting programs, namely Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and Section 401 of the Clean Water Act. Proposer will engage a qualified consultant to conduct a wetlands delineation of the selected site/route in order to establish the extent of proposed impacts and the need for specific permits from the state or U.S. Army Corps of Engineers. In addition to the permits described above, Proposer has identified other permits which may be required for the construction of the Project. Proposer considers these permits to be minor due to the more limited effort to prepare applications and the less intensive permiting processes which follow. These include permits related to airspace clearance, stormwater/erosion and sedimentation control, road crossings, and utility and railroad crossings. The project will apply for coverage under the Ohio EPA general construction storm water permit. The timing of construction will be executed in accordance with U.S. Fish and Wildlife Service and Ohio Department of Natural Resources criteria.
Tower characteristics	structures with braced post insulators attached via the pole shaft in a delta configuration. The transmission line will utilize horizontally spaced double-bundle 954 kcmil "Cardinal" ACSS/TW MA3 conductor and two optical groundwires.
Construction responsibility	CONFIDENTIAL INFORMATION
Benefits/Comments	CONFIDENTIAL INFORMATION
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION

Construction management	CONFIDENTIAL INFORMATION	
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION	
Contingency	CONFIDENTIAL INFORMATION	
Total component cost	\$9,919,584.00	
Component cost (in-service year)	\$10,492,433.00	
Greenfield Transmission Line Component		
Component title	Vassell - Hyatt 345kV Transmission Line	
Project description	CONFIDENTIAL INFORMATION	
Point A	Vassell	
Point B	Hyatt	
Point C		
	Normal ratings	Emergency ratings
Summer (MVA)	1217.000000	1245.000000
Winter (MVA)	1348.000000	1390.000000
Conductor size and type	Match existing Conesville - Hyatt 345kV line	
Nominal voltage	AC	
Nominal voltage	345	
Line construction type	Overhead	

General route description	The line heads east out of the existing Vassell substation, then proceeds north east for approximately 5 miles before terminating at a dead end structure to interconnect the existing Conesville - Hyatt 345kV line. The route does not cross any major waterways or major infrastructure. There are no habitable structures within the right of way and route crosses 30 parcels, with a total of 18 landowners. Based on desktop level data for mapped wetlands and floodplains, structures were sited such that there will be no permanent impact to these areas. There are no FAA regulated airports within the vicinity of the route.
Terrain description	The terrain is mainly flat farmland with some forested areas.
Right-of-way width by segment	This line will parallel and be offset by approximately 50' to the proposed Vassell - Conesville 345kV transmission. Due to this, the combined right of way for both of these transmission lines is 200 feet.
Electrical transmission infrastructure crossings	Under the Kammer - Vassell 765kV transmission line.
Civil infrastructure/major waterway facility crossing plan	The proposer will secure crossing and encroachment permits, authorizations and agreements for existing linear infrastructure crossed by the project. The proposer will coordinate with easement holders including; municipal and county roads; oil and gas pipelines; transmission lines, and local distribution utilities (power, sewer, water, gas, fiber, etc.) to not interfere with existing easement rights crossed by the project. The proposer will obtain occupation agreements from municipal and county jurisdictions to place transmission facilities over municipal and county roads. The proposer plans to secure crossing agreements with existing oil and gas pipelines and transmission lines.
Environmental impacts	The proposed Project was sited to avoid and minimize impacts to wetlands or other areas of environmental concern based on GIS data. It is possible that the Project cannot avoid impacts to a limited number of wetlands and waterways. If so, Proposer expects the Project will be subject to regulation under certain permitting programs, namely Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act, and Section 401 of the Clean Water Act. Proposer will engage a qualified consultant to conduct a wetlands delineation of the selected site/route in order to establish the extent of proposed impacts and the need for specific permits from the state or U.S. Army Corps of Engineers. In addition to the permits described above, Proposer has identified other permits which may be required for the construction of the Project. Proposer considers these permits to be minor due to the more limited effort to prepare applications and the less intensive permitting processes which follow. These include permits related to airspace clearance, stormwater/erosion and sedimentation control, road crossings, and utility and railroad crossings. The project will apply for coverage under the Ohio EPA general construction storm water permit. The timing of construction will be executed in accordance with U.S. Fish and Wildlife Service and Ohio Department of Natural Resources criteria.
Tower characteristics	The preliminary design for the single circuit transmission line utilizes tubular steel monopole structures with braced post insulators attached via the pole shaft in a delta configuration. The transmission line will utilize horizontally spaced double-bundle 954 kcmil "Cardinal" ACSS/TW MA3 conductor and two optical groundwires.

2023-W2-27

Construction responsibility	CONFIDENTIAL INFORMATION	
Benefits/Comments	CONFIDENTIAL INFORMATION	
Component Cost Details - In Current Year \$		
Engineering & design	CONFIDENTIAL INFORMATION	
Permitting / routing / siting	CONFIDENTIAL INFORMATION	
ROW / land acquisition	CONFIDENTIAL INFORMATION	
Materials & equipment	CONFIDENTIAL INFORMATION	
Construction & commissioning	CONFIDENTIAL INFORMATION	
Construction management	CONFIDENTIAL INFORMATION	
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION	
Contingency	CONFIDENTIAL INFORMATION	
Total component cost	\$9,919,584.00	
Component cost (in-service year)	\$10,492,433.00	
Transmission Line Upgrade Component		
Component title	Conesville - Hyatt 345kV Interconnect	
Project description	CONFIDENTIAL INFORMATION	
Impacted transmission line	Conesville - Hyatt	
Point A	Conesville	
Point B	Hyatt	
Point C		
Terrain description	The terrain is flat farmland.	

Existing Line Physical Characteristics

Operating voltage	345		
Conductor size and type	N/A		
Hardware plan description	N/A		
Tower line characteristics	The existing towers consist of horizontal lattice structures. The two new dead ends could be 3-pole tubular steel structures or horizontal lattice structures.		
Proposed Line Characteristics			
	Designed	Operating	
Voltage (kV)	345.000000	345.000000	
	Normal ratings	Emergency ratings	
Summer (MVA)	1217.000000	1245.000000	
Winter (MVA)	1348.000000	1390.000000	
Conductor size and type	Match existing		
Shield wire size and type	Match existing		
Rebuild line length	.1 miles		
Rebuild portion description	The upgrade will consist of adding two new dead Vassell to Conesville lines to terminate at.	end structures for the new Vassell to Hyatt and	
Right of way	The new structures will be built in the existing right of way.		
Construction responsibility	CONFIDENTIAL INFORMATION		
Benefits/Comments	CONFIDENTIAL INFORMATION		
Component Cost Details - In Current Year \$			
Engineering & design	CONFIDENTIAL INFORMATION		
Permitting / routing / siting	CONFIDENTIAL INFORMATION		

2023-W2-27

ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION
Contingency	CONFIDENTIAL INFORMATION
Total component cost	\$1,150,612.00
Component cost (in-service year)	\$1,211,547.10
Transmission Line Upgrade Component	
Component title	Genoa - Westar 138kV Sag Study
Project description	CONFIDENTIAL INFORMATION
Impacted transmission line	Genoa - Westar
Point A	Genoa
Point B	Westar
Point C	
Terrain description	The terrain is urban.
Existing Line Physical Characteristics	
Operating voltage	138
Conductor size and type	N/A
Hardware plan description	N/A
Tower line characteristics	N/A

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	223.000000	310.000000
Winter (MVA)	281.000000	349.000000
Conductor size and type	Conductor to remain the same as existing	
Shield wire size and type	N/A	
Rebuild line length	N/A	
Rebuild portion description	The transmission line will have a sag study performed to determine if the ratings can be increased.	
Right of way	N/A	
Construction responsibility	CONFIDENTIAL INFORMATION	
Benefits/Comments	CONFIDENTIAL INFORMATION	
Component Cost Details - In Current Year \$		
Engineering & design	CONFIDENTIAL INFORMATION	
Permitting / routing / siting	CONFIDENTIAL INFORMATION	
ROW / land acquisition	CONFIDENTIAL INFORMATION	
Materials & equipment	CONFIDENTIAL INFORMATION	
Construction & commissioning	CONFIDENTIAL INFORMATION	
Construction management	CONFIDENTIAL INFORMATION	
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION	

Contingency	CONFIDENTIAL INFORMATION	
Total component cost	\$100,053.00	
Component cost (in-service year)	\$105,351.90	
Transmission Line Upgrade Component		
Component title	Genoa - Spring Road Switch 138kV Sag Study	
Project description	CONFIDENTIAL INFORMATION	
Impacted transmission line	Genoa - Spring Road Switch	
Point A	Genoa	
Point B	Spring Road Switch	
Point C		
Terrain description	The terrain is urban.	
Existing Line Physical Characteristics		
Operating voltage	138	
Conductor size and type	N/A	
Hardware plan description	N/A	
Tower line characteristics	N/A	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	223.000000	310.000000

Winter (MVA)	281.000000	349.000000
Conductor size and type	The conductor will remain the same as existing.	
Shield wire size and type	N/A	
Rebuild line length	N/A	
Rebuild portion description	The transmission line will have a sag study perfo	ormed to determine if the ratings can be increased.
Right of way	N/A	
Construction responsibility	CONFIDENTIAL INFORMATION	
Benefits/Comments	CONFIDENTIAL INFORMATION	
Component Cost Details - In Current Year \$		
Engineering & design	CONFIDENTIAL INFORMATION	
Permitting / routing / siting	CONFIDENTIAL INFORMATION	
ROW / land acquisition	CONFIDENTIAL INFORMATION	
Materials & equipment	CONFIDENTIAL INFORMATION	
Construction & commissioning	CONFIDENTIAL INFORMATION	
Construction management	CONFIDENTIAL INFORMATION	
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION	
Contingency	CONFIDENTIAL INFORMATION	
Total component cost	\$100,053.00	
Component cost (in-service year)	\$105,351.90	
Transmission Line Upgrade Component		
Component title	Maliszewski - Polaris 138kV Reconductor	
Project description	CONFIDENTIAL INFORMATION	

Impacted transmission line	Maliszewski - Polars	
Point A	Maliszewski	
Point B	Polaris	
Point C		
Terrain description	The terrain along the route is mostly urban.	
Existing Line Physical Characteristics		
Operating voltage	138	
Conductor size and type	636 ACSR	
Hardware plan description	N/A	
Tower line characteristics	The majority of the line is constructed of light duty steel poles that are in good condition. Approximately 2,000 feet of transmission line outside of the Maliszewski Substation are on wood poles.	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	274.000000	386.000000
Winter (MVA)	274.000000	386.000000
Conductor size and type	636 ACSS "Grosbeak"	
Shield wire size and type	N/A	
Rebuild line length	2.8 miles	
Rebuild portion description	The line will be reconductored with an ACSS co	nductor that is the same size as the existing ACSR

Right of way	N/A
Construction responsibility	CONFIDENTIAL INFORMATION
Benefits/Comments	CONFIDENTIAL INFORMATION
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION
Contingency	CONFIDENTIAL INFORMATION
Total component cost	\$3,221,713.00
Component cost (in-service year)	\$3,392,331.90
Transmission Line Upgrade Component	
Component title	Polaris - Westar 138kV Reconductor
Project description	CONFIDENTIAL INFORMATION
Impacted transmission line	Polaris - Westar
Point A	Polaris
Point B	Westar
Point C	
Terrain description	The terrain along the route is mostly urban.

Existing Line Physical Characteristics

Operating voltage	138	
Conductor size and type	636 ACSR	
Hardware plan description	Existing hardware will not be reused.	
Tower line characteristics	The line appears to be constructed of light duty steel poles that are in good condition.	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	274.000000	386.000000
Winter (MVA)	274.000000	386.000000
Conductor size and type	636 ACSS "Grosbeak"	
Shield wire size and type	N/A	
Rebuild line length	2.8 miles	
Rebuild portion description	The line will be reconductored with an ACSS cor conductor.	ductor that is the same size as the existing ACSR
Right of way	N/A	
Construction responsibility	CONFIDENTIAL INFORMATION	
Benefits/Comments	CONFIDENTIAL INFORMATION	
Component Cost Details - In Current Year \$		
Engineering & design	CONFIDENTIAL INFORMATION	
Permitting / routing / siting	CONFIDENTIAL INFORMATION	

Congestion Drivers	
Component cost (in-service year)	\$3,392,331.90
Total component cost	\$3,221,713.00
Contingency	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION

None

Existing Flowgates

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	СКТ	Voltage	TO Zone	Analysis type	Status
2023W2-N2-ST3	I 243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST3)243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST3	3243458	05HYATT	246752	05VASSEL	1	345	205	Summer N-1-1	Included
2023W2-N2-ST3	2243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST24	1243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST2	3243553	05POLARS	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST2	3243513	05GENOA	243537	05MALIS	2	138	205	Summer N-1-1	Included
2023W2-N2-ST2	5243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST2	3243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST2	7243526	05HYATT	243537	05MALIS	2	138	205	Summer N-1-1	Included
2023W2-N2-ST2	9243513	05GENOA	243537	05MALIS	2	138	205	Summer N-1-1	Included
2023W2-N2-ST4)243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	СКТ	Voltage	TO Zone	Analysis type	Status
2023W2-N2-ST4	2242939	05MARYSV	243458	05HYATT	1	345	205	Summer N-1-1	Included
2023W2-N2-ST4	1 243553	05POLARS	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST4	4243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST4	3243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST3	5243513	05GENOA	243537	05MALIS	2	138	205	Summer N-1-1	Included
2023W2-N2-ST3	4243513	05GENOA	243591	05SPRNGR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST3	7243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST3	6243553	05POLARS	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST3	9243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST3	8243458	05HYATT	246752	05VASSEL	1	345	205	Summer N-1-1	Included
2023W2-N1-WT1	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Winter Basecase	Included
2023W2-N2-ST5	0243513	05GENOA	243591	05SPRNGR	1	138	205	Summer N-1-1	Included
2023W2-N1-WT3	290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Winter Basecase	Included
2023W2-N1-WT2	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Winter Basecase	Included
2023W2-N1-WT5	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Winter Basecase	Included
2023W2-N1-WT4	290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Winter Basecase	Included
2023W2-N2-ST4	6243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST4	5243513	05GENOA	243591	05SPRNGR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST4	8243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST4	7243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST4	9243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N1-WT1	0290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Winter Basecase	Included
2023W2-N1-ST2	243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-N1-WT1	2290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Winter Basecase	Included
2023W2-N1-ST1	243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-N1-WT1	1290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Winter Basecase	Included
2023W2-N1-ST4	243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-N1-WT1	4290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Winter Basecase	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	СКТ	Voltage	TO Zone	Analysis type	Status
2023W2-N1-ST3	243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-N1-WT1	3290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Winter Basecase	Included
2023W2-N2-WT2	243537	05MALIS	243538	05MALISX	ZB	138	205	Winter N-1-1	Included
2023W2-N1-ST6	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included
2023W2-N2-WT1	243513	05GENOA	243590	05WESTAR	1	138	205	Winter N-1-1	Included
2023W2-N1-ST5	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included
2023W2-N1-WT7	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Winter Basecase	Included
2023W2-N1-WT6	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Winter Basecase	Included
2023W2-N1-WT9	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Winter Basecase	Included
2023W2-N1-WT8	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Winter Basecase	Included
2023W2-N2-WT7	243553	05POLARS	243590	05WESTAR	1	138	205	Winter N-1-1	Included
2023W2-N1-ST1	1 290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-N2-WT6	243537	05MALIS	243538	05MALISX	ZB	138	205	Winter N-1-1	Included
2023W2-N1-ST1	3243537	05MALIS	243553	05POLARS	1	138/138	205/205	Summer Base Case	Included
2023W2-N2-WT8	243553	05POLARS	243590	05WESTAR	1	138	205	Winter N-1-1	Included
2023W2-N1-ST1	2290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-N1-ST1	5243590	05WESTAR	243513	05GENOA	1	138/138	205/205	Summer Base Case	Included
2023W2-N1-ST1	4243537	05MALIS	243553	05POLARS	1	138/138	205/205	Summer Base Case	Included
2023W2-N1-ST1	7 243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-GD-W1	9 242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Winter Gen Deliv	Included
2023W2-N1-ST1	6243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-GD-W1	54242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Winter Gen Deliv	Included
2023W2-GD-W1	56242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Winter Gen Deliv	Included
2023W2-N2-WT4	243513	05GENOA	243590	05WESTAR	1	138	205	Winter N-1-1	Included
2023W2-N1-ST8	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included
2023W2-GD-S14	1243590	05WESTAR	243513	05GENOA	1	138	205	Summer Gen Deliv	Included
2023W2-N2-WT3	243537	05MALIS	243553	05POLARS	1	138	205	Winter N-1-1	Included
2023W2-N1-ST7	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	СКТ	Voltage	TO Zone	Analysis type	Status
2023W2-N1-ST1)290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-GD-S16	5243537	05MALIS	243553	05POLARS	1	138	205	Summer Gen Deliv	Included
2023W2-N2-WT5	243537	05MALIS	243553	05POLARS	1	138	205	Winter N-1-1	Included
2023W2-N1-ST9	290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-GD-S18	6243590	05WESTAR	243513	05GENOA	1	138	205	Summer Gen Deliv	Included
2023W2-GD-W1	55242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Winter Gen Deliv	Included
2023W2-GD-W1	5 32 42926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Winter Gen Deliv	Included
2023W2-N1-ST2	2243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-N1-ST2	1 290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-N1-ST2	4242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included
2023W2-N1-ST2	3243538	05MALISX	243537	05MALIS	ZB	138/138	205/205	Summer Base Case	Included
2023W2-N1-ST2	6290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-N1-ST2	5242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included
2023W2-GD-S11	6243538	05MALISX	243537	05MALIS	ZB	138	205	Summer Gen Deliv	Included
2023W2-GD-W2	4243538	05MALISX	243537	05MALIS	ZB	138	205	Winter Gen Deliv	Included
2023W2-N1-ST2	7 290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-N1-ST1	9242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included
2023W2-GD-W2	5 290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Winter Gen Deliv	Included
2023W2-N1-ST1	3242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205/205	Summer Base Case	Included
2023W2-GD-W1	32290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Winter Gen Deliv	Included
2023W2-GD-W16	64290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Winter Gen Deliv	Included
2023W2-N1-ST2)290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205/205	Summer Base Case	Included
2023W2-GD-W1	3290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Winter Gen Deliv	Included
2023W2-GD-W16	5290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Winter Gen Deliv	Included
2023W2-GD-S12	1242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Summer Gen Deliv	Included
2023W2-GD-S12	2242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Summer Gen Deliv	Included
2023W2-GD-S12	3242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Summer Gen Deliv	Included
2023W2-GD-S4	242926	05MALIS	290237	05MALIS 1EQ	1	765/999	205	Summer Gen Deliv	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	СКТ	Voltage	TO Zone	Analysis type	Status
2023W2-GD-S12	7290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Summer Gen Deliv	Included
2023W2-GD-S6	290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Summer Gen Deliv	Included
2023W2-N2-ST1	I 243553	05POLARS	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-GD-S12	6290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Summer Gen Deliv	Included
2023W2-N2-ST1)243553	05POLARS	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-GD-S12	5290237	05MALIS 1EQ	243538	05MALISX	1	999/138	205	Summer Gen Deliv	Included
2023W2-GD-S11	4243538	05MALISX	243537	05MALIS	ZB	138	205	Summer Gen Deliv	Included
2023W2-N2-ST9	243513	05GENOA	243591	05SPRNGR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST2	243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-GD-S11	5243538	05MALISX	243537	05MALIS	ZB	138	205	Summer Gen Deliv	Included
2023W2-GD-W21	6243538	05MALISX	243537	05MALIS	ZB	138	205	Winter Gen Deliv	Included
2023W2-N2-ST1	243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-GD-S3	243538	05MALISX	243537	05MALIS	ZB	138	205	Summer Gen Deliv	Included
2023W2-GD-W21	7243538	05MALISX	243537	05MALIS	ZB	138	205	Winter Gen Deliv	Included
2023W2-N2-ST4	243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-GD-W59) 243538	05MALISX	243537	05MALIS	ZB	138	205	Winter Gen Deliv	Included
2023W2-N2-ST3	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-GD-W21	5243538	05MALISX	243537	05MALIS	ZB	138	205	Winter Gen Deliv	Included
2023W2-N2-ST6	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST5	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST8	243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST7	243513	05GENOA	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST2)243513	05GENOA	243537	05MALIS	2	138	205	Summer N-1-1	Included
2023W2-N2-ST2	2243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST2	1 243526	05HYATT	243537	05MALIS	2	138	205	Summer N-1-1	Included
2023W2-N2-ST1	3243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST12	2243553	05POLARS	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-GD-S13	5243537	05MALIS	243553	05POLARS	1	138	205	Summer Gen Deliv	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	СКТ	Voltage	TO Zone	Analysis type	Status
2023W2-N2-ST1	5243547	05MORSE	243591	05SPRNGR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST1	4243553	05POLARS	243590	05WESTAR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST1	7243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included
2023W2-N2-ST1	6243513	05GENOA	243591	05SPRNGR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST1	9243547	05MORSE	243591	05SPRNGR	1	138	205	Summer N-1-1	Included
2023W2-N2-ST1	8243537	05MALIS	243553	05POLARS	1	138	205	Summer N-1-1	Included

New Flowgates

CONFIDENTIAL INFORMATION

Financial Information

Capital spend start date	07/2024
Construction start date	01/2027
Project Duration (In Months)	47

Cost Containment Commitment

Cost cap (in current year)	CONFIDENTIAL INFORMATION
Cost cap (in-service year)	CONFIDENTIAL INFORMATION

Components covered by cost containment

- 1. Barron Substation Proposer
- 2. Barron Hayden Double Circuit 345kV Transmission Line Proposer
- 3. Vassell Conesville 345kV Transmission Line Proposer
- 4. Vassell Hyatt 345kV Transmission Line 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	Yes
AFUDC	Yes
Escalation	No
Additional Information	CONFIDENTIAL INFORMATION
Is the proposer offering a binding cap on ROE?	No
Is the proposer offering a Debt to Equity Ratio cap?	CONFIDENTIAL INFORMATION
Additional Comments	

None