

# Cheswick-Yukon Reconductor

## General Information

Proposing entity name	DLCO
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Yes
Company proposal ID	
PJM Proposal ID	929
Project title	Cheswick-Yukon Reconductor
Project description	Reconductor the limiting segments of the DLC-owned portion of the Cheswick-Wycoff Tap segment of the Cheswick-Yukon (Z-65) 138 kV tie-line (approximately 1.5 miles).
Email	Questions can be directed to <a href="mailto:TransmissionPlanningRequests@duqlight.com">TransmissionPlanningRequests@duqlight.com</a> .
Project in-service date	12/2027
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	

## Project Components

1. Cheswick-Yukon Reconductor - Transmission Line Upgrade

### Transmission Line Upgrade Component

Component title	Cheswick-Yukon Reconductor - Transmission Line Upgrade
Project description	Reconductor the limiting segments of the DLC-owned portion of the Cheswick-Wycoff Tap segment of the Cheswick-Yukon (Z-65) 138 kV tie-line (approximately 1.5 miles).

Impacted transmission line	Cheswick-Wycoff Tap segment of the Cheswick-Yukon (Z-65) 138 kV tie-line
Point A	Cheswick
Point B	Wycoff Tap
Point C	
Terrain description	The existing ROW is suburban/rural with a river crossing. The existing ROW has adequate width for reconductoring.

**Existing Line Physical Characteristics**

Operating voltage	138
Conductor size and type	795 ACSR 45/7 and 853.7 ACAR 24/13
Hardware plan description	Existing line hardware will not be reused for the reconducted segments. Note that the reconducted portion will be the limiting segments of the DLC-owned portion of the Cheswick-Wycoff Tap segment of the Cheswick-Yukon (Z-65) 138 kV tie-line (approximately 1.5 miles).
Tower line characteristics	The structures for the reconducted segments are primarily wood poles. These poles will be inspected and replaced as needed either based on condition or NESC requirements. The reconducted segments also include a lattice tower. The structure will be inspected and reinforced as needed.

**Proposed Line Characteristics**

	<b>Designed</b>	<b>Operating</b>
Voltage (kV)	138.000000	138.000000
	<b>Normal ratings</b>	<b>Emergency ratings</b>
Summer (MVA)	288.000000	355.000000
Winter (MVA)	338.000000	434.000000
Conductor size and type	795 ACSS/TW HS 20/7	
Shield wire size and type	N/A - Shield wire is not planned to be replaced.	

Rebuild line length	1.5 miles
Rebuild portion description	Reconductor the limiting segments of the DLC-owned portion of the Cheswick-Wycoff Tap segment of the Cheswick-Yukon (Z-65) 138 kV tie-line (approximately 1.5 miles). The provided cost estimate assumes the replacement of wood poles as needed, the construction and restoration of access roads, and lattice tower reinforcements. The final scope of these reinforcements will be determined during engineering design.
Right of way	The existing ROW is suburban/rural with a river crossing. The existing ROW has adequate width for reconductoring. No new ROW is anticipated.
Construction responsibility	DL
Benefits/Comments	

**Component Cost Details - In Current Year \$**

Engineering & design	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Permitting / routing / siting	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
ROW / land acquisition	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Materials & equipment	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Construction & commissioning	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Construction management	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Overheads & miscellaneous costs	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Contingency	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Total component cost	\$5,500,000.00
Component cost (in-service year)	\$.00

**Congestion Drivers**

None

## Existing Flowgates

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2023W1-GD-LL902	35283	01WYCOFJ	254064	15CHESWK	1	138	201/215	Light Load Gen Deliv	Included
2023W1-GD-LL550	35283	01WYCOFJ	254064	15CHESWK	1	138	201/215	Light Load Gen Deliv	Included

## New Flowgates

None

## Financial Information

Capital spend start date 11/2023

Construction start date 01/2027

Project Duration (In Months) 49

## Additional Comments

None