

# Rockhill Circuit Switcher Install

## General Information

Proposing entity name	AEPSCT
Company proposal ID	AEP_D
PJM Proposal ID	848
Project title	Rockhill Circuit Switcher Install
Project description	AEP is proposing to install two 138 kV circuit switchers on the high side of 138/34.5 kV transformers #1 & #2 at Rockhill station. No branch rating changes as a result of this project.
Project in-service date	06/2025
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	[REDACTED]

## Project Components

1. Rockhill Circuit Switcher Install

### Substation Upgrade Component

Component title	Rockhill Circuit Switcher Install
Substation name	Rockhill Station
Substation zone	205 - AEP

Substation upgrade scope

This scope requires the addition of 138kv disconnect switches and circuit switchers to the high side of transformers #1 & #2.

## Transformer Information

None

New equipment description

Qty. 2 – 138kV, 3000A, 40kA circuit switchers Qty. 2 – 138kV, 3000A, GOAB disconnect switches  
Qty. 2 – 138kV CCVTs

Substation assumptions

All necessary outages will be available. Pier foundations can be installed without issue.

Real-estate description

N/A

Construction responsibility

AEP

Additional comments

## Component Cost Details - In Current Year \$

Engineering & design

Detailed cost breakdown

Permitting / routing / siting

Detailed cost breakdown

ROW / land acquisition

Detailed cost breakdown

Materials & equipment

Detailed cost breakdown

Construction & commissioning

Detailed cost breakdown

Construction management

Detailed cost breakdown

Overheads & miscellaneous costs

Detailed cost breakdown

Contingency

Detailed cost breakdown

Total component cost

\$1,471,193.10

Component cost (in-service year)

\$.00

## Congestion Drivers

None

## Existing Flowgates

FG #	From Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type
AEP-T281	245819	05DAYS INN	245836	05ROCKHILL	1	35	205	FERC 715 Thermal
AEP-T284	245819	05DAYS INN	245836	05ROCKHILL	1	35	205	FERC 715 Thermal
AEP-T285	245819	05DAYS INN	245840	05S SIDE	1	35	205	FERC 715 Thermal
AEP-T286	245819	05DAYS INN	245840	05S SIDE	1	35	205	FERC 715 Thermal
AEP-T287	245825	05EXC&L PM	245840	05S SIDE	1	35	205	FERC 715 Thermal
AEP-T288	245825	05EXC&L PM	245840	05S SIDE	1	35	205	FERC 715 Thermal
AEP-T289	245825	05EXC&L PM	245840	05S SIDE	1	35	205	FERC 715 Thermal
AEP-T290	245825	05EXC&L PM	245840	05S SIDE	1	35	205	FERC 715 Thermal
AEP-T291	245825	05EXC&L PM	245849	05STERLING1	1	35	205	FERC 715 Thermal
AEP-T292	245825	05EXC&L PM	245849	05STERLING1	1	35	205	FERC 715 Thermal
AEP-T293	245825	05EXC&L PM	245849	05STERLING1	1	35	205	FERC 715 Thermal
AEP-T298	245825	05EXC&L PM	245849	05STERLING1	1	35	205	FERC 715 Thermal

## New Flowgates

None

## Financial Information

Capital spend start date 09/2023

Construction start date 02/2025

Project Duration (In Months) 21

## Additional comments

None