

# CPL-DOM Reactive Transfer Interface

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- Dominion is continuing their Wreck and Rebuild of the Carson – Rogers Road 500kV line
  - Current work schedule:
    - 03/01/2018 – 06/15/2018 (edart # 679969)
    - 09/16/2018 – 12/31/2018 (edart # 655529)
- PJM and Dominion studies show voltage issues with high flows into Dominion
  - Voltage issues occur on the 230kV and 115kV system for the loss of Carson – Rawlings 511 500kV line
  - In order to better set LMP and give operators a way to control the flow across the system, a Reactive Transfer Interface is needed

## Definition:

- Carson – Rawlings 511 500kV
- Carson – Rodgers Road 585 500kV
- Clover – Briery 235 230kV
- Rocky Mount – Hathaway 2058 230kV
- City of Rocky Mount – Nash 2181 230kV
- Everetts – Greenville 218 230kV
- Rocky Mount – Battleboro 123 115kV
- Sedge Hill – Mt. Laurel 33 115kV
- Sedge Hill – Huber 1016 115kV
- Sedge Hill – Sinai 32 115kV
- Sedge Hill – Plywood 151 115kV
- Kerr Dam Meter – Warrenton Tap 45 115kV



Interface Definition						
Type	Company	Zone	Station	Voltage	Name	Eq. End
LE	DOM	DOM-C	CLOVER	230 KV	235A1	B
LE	DOM	DOM-C	KERR45	115 KV	45B	B
LE	DOM	DOM-C	RAWLINGS	500 KV	511	B
LE	DOM	DOM-C	SEDGEHIL	115 KV	33C1	B
LE	DOM	DOM-C	SEDGEHIL	115 KV	32	A
LE	DOM	DOM-C	SEDGEHIL	115 KV	31H1	B
LE	DOM	DOM-C	SEDGEHIL	115 KV	151A	B
LE	DOM	DOM-C	ROGERSRD	500 KV	585A1	B
LE	DOM	DOM-S	BATTLEBO	115 KV	123A	B
LE	DOM	DOM-S	EVERETTS	230 KV	218	A
LE	DOM	DOM-S	NASH	230 KV	CTY-NASH	B
LE	DOM	DOM-S	HATHAWAY	230 KV	2058A1	A

- Operational Impact
  - More efficient controlling actions
  - Dynamic calculation of the controlling limit based on topology and reactive resources in the area
- Posted Information
  - <http://www.pjm.com/markets-and-operations/etools/oasis/system-information.aspx>