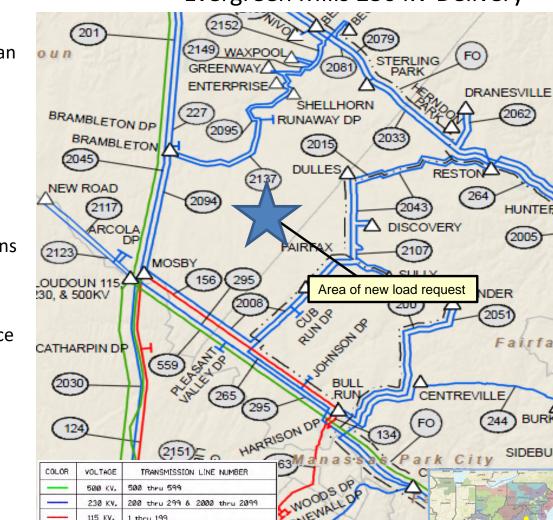
Submission of Supplemental Projects for Inclusion in the Local Plan



Dominion Transmission Zone M-3 Process Evergreen Mills 230 kV Delivery





Dominior

(2062)

HUNTER

(2005)

Need Number: DOM-2018-0001

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan - 7/25/2019

Previously Presented:

Need – 9/13/2018 Solution - 10/11/2018

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a request to serve a new datacenter campus in Loudoun County with total load in excess of 100 MW. Customer requests service by 9/1/2020.

Projected 2023 load Summer: 150 MW Winter: 150 MW

DEV Distribution does not have adequate distribution facilities to serve this customer load request.

Dominion Transmission Zone M-3 Process Evergreen Mills 230 kV Delivery

Need Number: DOM-2018-0001

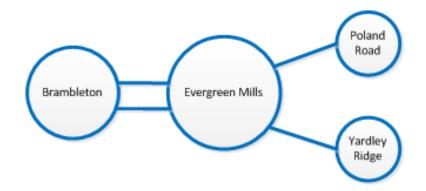
Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

With total projected load of 150 MW, we are proposing to construct a new Evergreen Mills Switching Station. It will require four transmission lines to terminate at the station in order to avoid a violation of mandatory NERC reliability criteria. Cut and extend both Line No.2183 (Brambleton-Poland Road) and Line No.2172 (Brambleton-Yardley Ridge) into and out of the proposed station. At Evergreen Mills Station, six (6) 230 kV breakers in a ring bus arrangement would be installed to meet the Transmission Planning criteria.

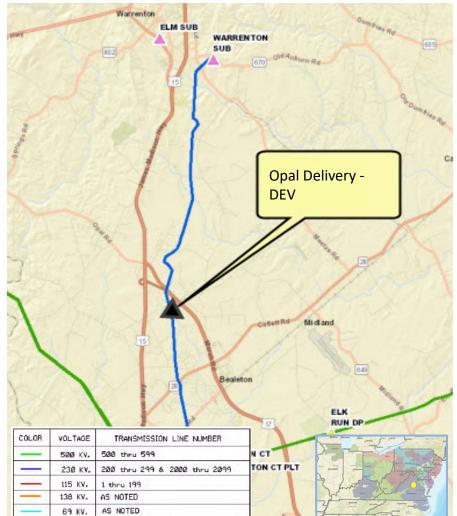
The customer has requested four (4) additional 230 kV breakers to be installed for additional redundancy and will be responsible for excess facilities charges.

Estimated Cost:	\$27.8 M
Normal Service cost:	\$22.8 M
Excess Facilities cost:	\$5.0 M
Projected In-Service: 9/1/2020	
Supplemental Project ID: s1750	
Project Status: Conceptual	
Model: 2023 RTEP	

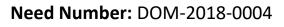




Dominion Transmission Zone M-3 Process Opal 230 kV Delivery



Warrenton ELM SUB



Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 9/13/2018 Solution – 11/8/2018

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request for a new substation (Opal) to accommodate two proposed datacenters in the Remington area and general load growth in the Rt. 17/Rt. 29 intersection area. The new substation will have an ultimate projected load less than 100 MVA. Requested in-service date is 07/15/2021.

Projected 2023 Load Summer: 48.0 MW Winter: 49.7 MW

Dominion Local Plan - 2019



Dominion Transmission Zone M-3 Process Opal 230 kV Delivery

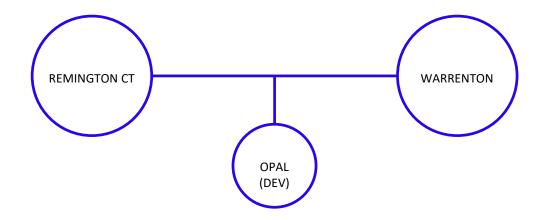
Need Number: DOM-2018-0004

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Interconnect the new substation with a single tee-tap arrangement on Line No.2155 (Remington CT-Warrenton).

Estimated Cost: \$0.75 M Projected In-Service: 7/15/2021 Supplemental Project ID: s1832 Project Status: Engineering Model: 2023 RTEP



Dominion Transmission Zone M-3 Process Add 2nd TX – Cannon Branch 230 kV Delivery - DEV

Need Number: DOM-2018-0005

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need - 9/13/2018

Solution - 11/8/2018

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

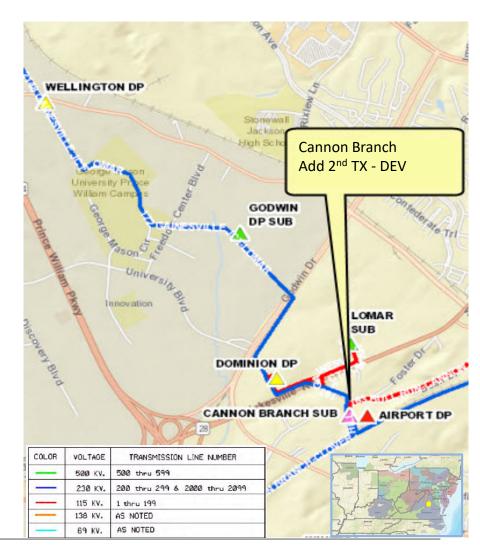
Problem Statement:

DEV Distribution has submitted a DP Request to add a 2nd distribution transformer at Cannon Branch Substation in Prince William County. This transformer will support datacenter load growth in the area. Requested in-service date is 11/15/2019.

Projected 2023 Load

66.5 MW Summer: 61.4 MW

Winter:





Dominion Local Plan - 2019

Dominion Transmission Zone M-3 Process Add 2nd TX – Cannon Branch 230 kV Delivery - DEV

Need Number: DOM-2018-0005

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Install 1200 Amp, 40 kAIC circuit switcher and associated equipment (bus, switches, relaying, etc.) to feed the new transformer from existing 230 kV bus No.1 at Cannon Branch.

Estimated Cost: \$0.75 M Projected In-Service: 11/15/2019 Supplemental Project ID: s1833 Project Status: Construction

Model: 2023 RTEP





Need Number: DOM-2018-0006

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need - 9/13/2018

Solution - 12/13/2018

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

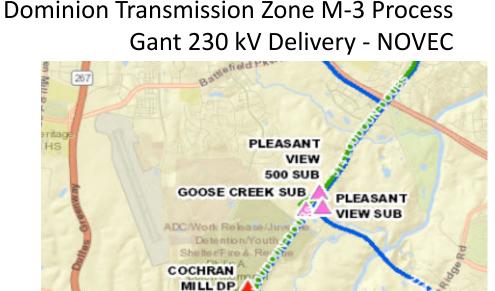
Problem Statement:

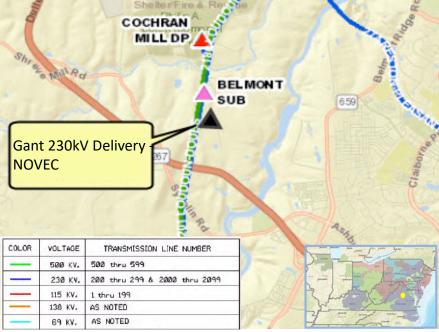
NOVEC has submitted a DP Request for a new substation (Gant) to accommodate a new datacenter campus in Loudoun County with a total load in excess of 100 MW. Requested in-service date is 11/01/2019.

Projected 2023 Load

Summer: 112.0 MW

Winter: 120.0 MW







Dominion Transmission Zone M-3 Process Gant 230 kV Delivery - NOVEC

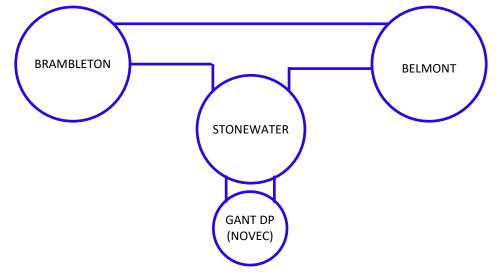
Need Number: DOM-2018-0006

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Interconnect the new DP substation by cutting and extending Line No.206 (Brambleton-Belmont) to new Stonewater Switching Station. Terminate both ends into a four-breaker ring arrangement to create a Brambleton-Stonewater line and a Stonewater-Belmont line. Provide two 230 kV feeds from the ring bus at Stonewater to Gant DP.

Estimated Cost: \$9.0 M Projected In-Service: 11/1/2019 Supplemental Project ID: s1834 Project Status: Construction Model: 2023 RTEP





Need Number: DOM-2018-0007

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 9/13/2018 Solution – 12/13/2018

Project Driver:

Customer Service

Specific Assumption Reference:

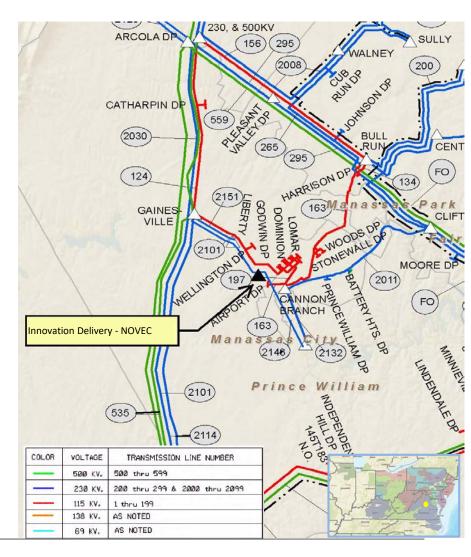
Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

NOVEC has submitted a DP Request for a new substation (Innovation) to accommodate a new datacenter campus in Prince William County with a total load in excess of 100 MW. Requested in-service date is 08/15/2019.

Projected 2023 Load Summer: 98.6 MW Winter: 111.4 MW

Dominion Transmission Zone M-3 Process Innovation 230 kV Delivery - NOVEC





Dominion Transmission Zone M-3 Process Innovation 230 kV Delivery - NOVEC

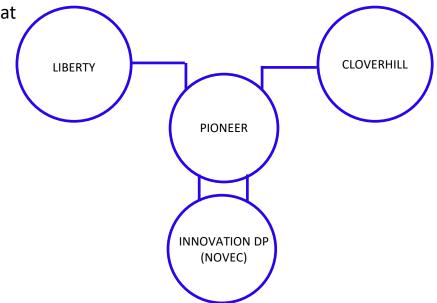
Need Number: DOM-2018-0007

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Interconnect the new DP substation by cutting and extending Line No.2148 (Cloverhill-Liberty) to new Pioneer Switching Station. Terminate both ends into a six-breaker ring arrangement (four breakers installed initially, two future) to create Line No.2148 (Cloverhill-Pioneer) and Line No.2187 (Pioneer-Liberty). Provide two 230 kV feeds from the ring bus at Pioneer to Innovation DP.

Estimated Cost: \$9.7 M Projected In-Service: 8/15/2019 Supplemental Project ID: s1835 Project Status: Construction Model: 2023 RTEP





Need Number: DOM-2018-0008

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 9/13/2018 Solution – 11/8/2018

Project Driver:

Customer Service

Specific Assumption Reference:

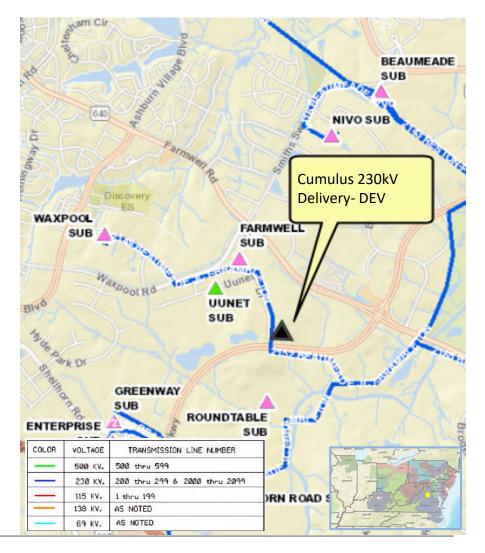
Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request for a new substation (Cumulus) to accommodate a new datacenter campus in Loudoun County with a total load in excess of 100 MW. Requested in-service date is 10/15/2019.

Projected 2023 Load Summer: 120.9 MW Winter: 108.0 MW

Dominion Transmission Zone M-3 Process Cumulus 230 kV Delivery - DEV





Dominion Transmission Zone M-3 Process Cumulus 230 kV Delivery - DEV

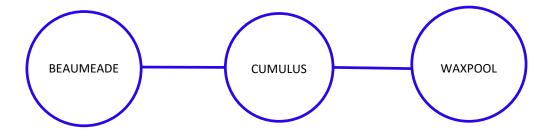
Need Number: DOM-2018-0008

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Interconnect the new substation by cutting and extending Line #2152 (Waxpool-Beaumeade) to a backbone in the new station. Terminate both ends into a four-breaker ring to create a Waxpool-Cumulus line and a Cumulus-Beaumeade line.

Estimated Cost: \$8.0 M Projected In-Service: 10/15/2019 Supplemental Project ID: s1836 Project Status: Construction Model: 2023 RTEP





Dominion Transmission Zone M-3 Process Add 2nd TX – Davis Drive 230 kV Delivery - DEV

Need Number: DOM-2018-0009

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 9/13/2018 Solution – 11/8/2018

Project Driver:

Customer Service

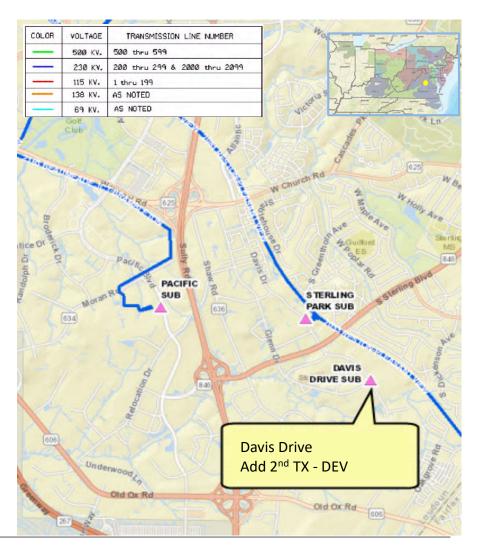
Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request to add a 2nd distribution transformer at Davis Drive Substation in Loudoun County. The station loading is projected to exceed 100 MW by 2020. Requested in-service date is 11/15/2019.

Projected 2023 Load Summer: 182.4 MW Winter: 159.9 MW





Dominion Transmission Zone M-3 Process Add 2nd TX – Davis Drive 230 kV Delivery - DEV

Need Number: DOM-2018-0009

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Install three 230 kV circuit breakers and associated equipment (bus, switches, relaying, etc.) to create a four-breaker ring bus. Also install a 1200 Amp, 40 kAIC circuit switcher.

Estimated Cost: \$2.0 M Projected In-Service: 11/15/2019 Supplemental Project ID: s1837 Project Status: Construction Model: 2023 RTEP





Dominion Transmission Zone M-3 Process Add 2nd TX – Shellhorn 230 kV Delivery - DEV

COLOR VOLTAGE TRANSMISSION LINE NUMBER 500 KV. 500 thru 599 200 thru 299 & 2000 thru 2099 230 KV. 115 KV. 1 thru 199 138 KV. AS NOTED AS NOTED 69 KV. *pool Rd UUNET n Village BIN SUB GREENWAY SUB ROUND TABLE ENTERPRISE SUB SUB Column 1 (Column) SHELLHORN ROAD SUB Shellhorn Add 2nd TX - DEV



Need Number: DOM-2018-0010

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 9/13/2018 Solution – 11/8/2018

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request to add a 2nd distribution transformer at Shellhorn Substation in Loudoun County. The new transformer is being driven by projections that normal load on the existing Shellhorn transformer will exceed 84 MVA in 2020. Requested in-service date is 03/31/2020.

Projected 2023 Load Summer: 133.4 MW Winter: 133.4 MW

Dominion Transmission Zone M-3 Process Add 2nd TX – Shellhorn 230 kV Delivery - DEV

Need Number: DOM-2018-0010

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Install 1200 Amp, 40kAIC circuit switcher and associated equipment to feed the new transformer.

Estimated Cost: \$0.25 M Projected In-Service: 3/31/2020 Supplemental Project ID: s1845 Project Status: Engineering Model: 2023 RTEP





Need Number: DOM-2018-0015

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 9/13/2018 Solution – 11/8/2018

Project Driver:

Customer Service

Specific Assumption Reference:

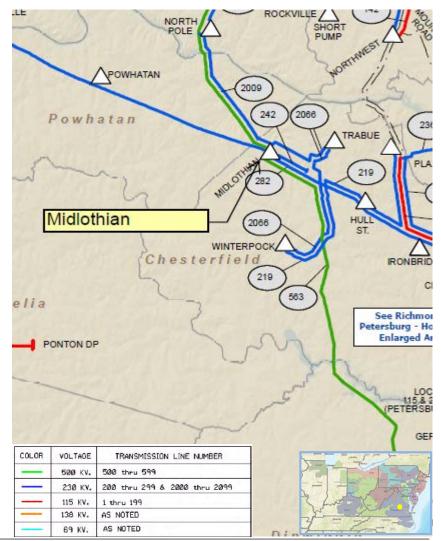
Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has identified the need to install a 3rd distribution transformer at Midlothian substation. The station load growth will call for a mobile transformer for a transformer contingency by winter 2020. By winter 2022 the transformer contingency will result in unserved load greater than the capacity of the mobile transformer. Requested inservice date is 11/15/2019.

Projected 2023 load Summer: 135 MW Winter: 169 MW

Dominion Transmission Zone M-3 Process Add 3rd Transformer at Midlothian





Dominion Transmission Zone M-3 Process Add 3rd Transformer at Midlothian

Need Number: DOM-2018-0015

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Install a 230 kV circuit switcher, high side switch and perform necessary transmission work for the new transformer.

Estimated Cost: \$0.6 M Projected In-Service: 11/15/2019 Supplemental Project ID: s1839 Project Status: Engineering Model: 2023 RTEP





Dominion Transmission Zone M-3 Process Distribution Transformer Replacement at Remington

Need Number: DOM-2018-0016

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need - 11/29/2018

Solution - 1/17/2019

Project Driver:

Customer Service

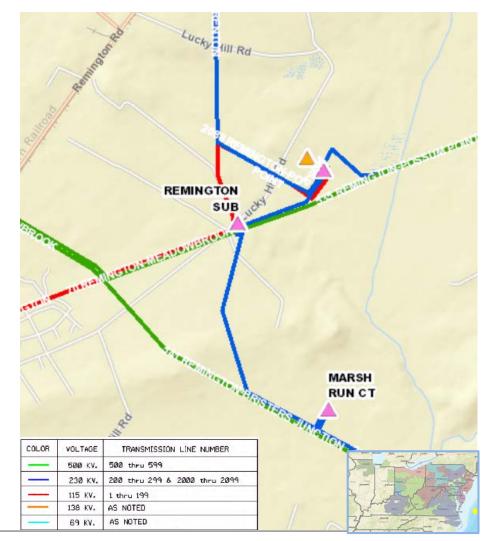
Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request to replace their existing transmission to distribution transformer at Remington Substation in Fauquier County with a higher capacity bank to meet customer load. Requested in-service date is 11/15/2019.

Projected 2023 load Summer: 60 MW Winter: 78 MW





Dominion Transmission Zone M-3 Process Distribution Transformer Replacement at Remington

Need Number: DOM-2018-0016

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Relocate existing circuit switcher, install a MOAB switch and related conductors to connect DEV Distribution's uprated transmission to distribution transformer at Remington Substation.

Estimated Cost: \$0.1 M Projected In-Service: 11/15/2019 Supplemental Project ID: s1840 Project Status: Construction Model: 2023 RTEP

REMINGTON



Dominion Transmission Zone M-3 Process Lucky Hill 230kV - DEV

Lucky Hill Rd REMINGTON SUB WEARININER MARSH RUN CT Lucky Hill Delivery- DEV TRANSMISSION LINE NUMBER COLOR VOLTAGE 500 thru 599 500 KV. 230 KV. 200 thru 299 & 2000 thru 2094 115 KV. thru 199 138 KV. AS NOTED AS NOTED 69 KV.



Need Number: DOM-2018-0018

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need - 10/10/2018

Solution - 1/10/2019

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a request for a new substation (Lucky Hill) to accommodate a new datacenter campus in Fauquier County with a total load in excess of 100 MW. Requested in-service date is Sept 15, 2020.

Projected 2023 load Summer: 100 MW Winter: 100 MW

Dominion Transmission Zone M-3 Process Lucky Hill 230kV - DEV

Need Number: DOM-2018-0018

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Interconnect the new DP substation by cutting and extending Line #2199 (Remington-Gordonsville) to new Lucky Hill Substation. Terminate both ends into a four-breaker ring arrangement to create new 230kV Gordonsville-Lucky Hill and Lucky Hill-Remington lines.

Estimated Cost: \$7.5 M Projected In-Service: 9/15/2020 Supplemental Project ID: s1841 Project Status: Conceptual Model: 2023 RTEP





Dominion Transmission Zone M-3 Process Sandlot 230 kV Delivery - DEV

234 Godwin DP Lomar DP Dominion DP Sandlot Delivery -DEV Cannon Branch Sub VOLTAGE COLOR TRANSMISSION LINE NUMBER 500 KV. 500 thru 599 230 KV. 200 thru 299 & 2000 thru 2099 115 KV. 1 thru 199 138 KV. AS NOTED 69 KV. AS NOTED



Need Number: DOM-2018-0019

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 10/11/2018 Solution – 12/13/2018

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request for a new substation (Sandlot) to accommodate the expansion of a manufacturing plant in the City of Manassas with a total load in excess of 100 MW. Requested in-service date is 10/15/2019.

Projected 2023 Load Summer: 41.9 MW Winter: 41.9 MW



Dominion Transmission Zone M-3 Process Sandlot 230 kV Delivery - DEV

Need Number: DOM-2018-0019

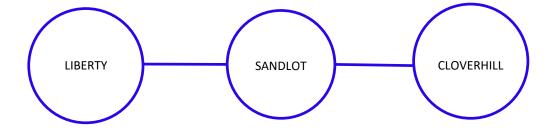
Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Interconnect the new substation by cutting and extending Line #2148 (Cloverhill-Liberty) to a backbone in the new station. Terminate both ends into a four-breaker ring to create a Cloverhill-Sandlot line and a Sandlot-Liberty line.

The existing manufacturing load of approx. 60 MW will be moved to the Sandlot 230kV Delivery when its 115kV source is converted to 230kV (projected to be needed within the next 3-5 years to accommodate continued growth in the area). The total manufacturing load (existing + expansion) is projected to exceed 100 MW by 2023.

Estimated Cost: \$5.5 M Projected In-Service: 10/15/2019 Supplemental Project ID: s1842 Project Status: Construction Model: 2023 RTEP





Need Number: DOM-2018-0023

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Previously Presented:

Need – 12/13/2018 Solution – 2/7/2019

Project Driver:

Customer Service

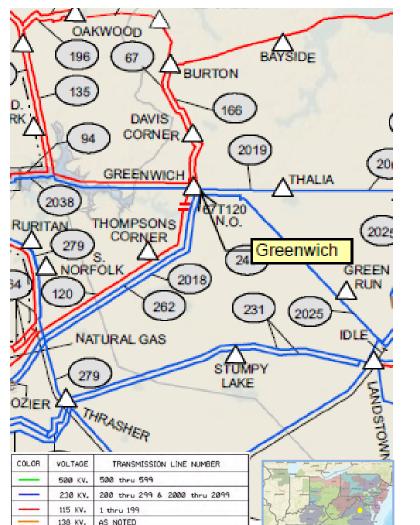
Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has identified the need to install a second distribution transformer at Greenwich substation. The station load growth has caused a transformer contingency to exceed the capacity of field switching plus a mobile transformer. Requested in-service date is 10/15/2019.

Projected 2023 Load Summer: 77 MVA Winter: 77 MVA



AS NOTED

69 KV.

Dominion Transmission Zone M-3 Process

Greenwich 230kV - DEV



Dominion Transmission Zone M-3 Process Greenwich 230kV - DEV

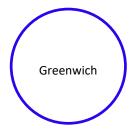
Need Number: DOM-2018-0023

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

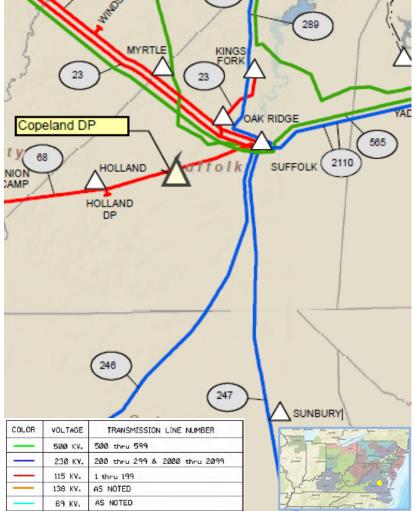
Install a 230kV circuit switcher, high side switch and perform necessary transmission work for the new transformer.

Estimated Cost: \$1.4 M Projected In-Service: 10/15/2019 Supplemental Project ID: s1843 Project Status: Engineering Model: 2023 RTEP





Dominion Transmission Zone M-3 Process Copeland DP 115kV - ODEC





Need Number: DOM-2019-0001

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan - 7/25/2019

Previously Presented:

Need - 1/17/2019

Solution - 2/20/2019

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

ODEC has submitted a request on behalf of Community EC (COMM) for a new Delivery Point (Copeland) at Suffolk, VA, to support future load growth in the area. The customer requests service by May 1, 2019.

Projected 2023 Load

Summer: 8.0 MW

Winter: 12.0 MW

Dominion Transmission Zone M-3 Process Copeland DP 115kV - ODEC

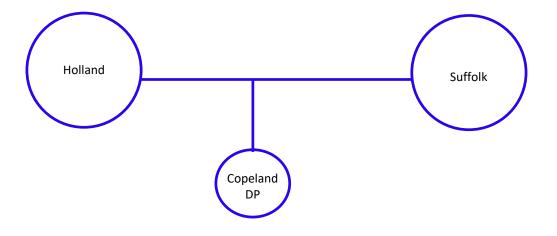
Need Number: DOM-2019-0001

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 7/25/2019

Selected Solution:

Cut into line #68 and install 3 line switches and other associated transmission equipment to connect to COMM's new DP station Copeland.

Estimated Cost: \$1 M Projected In-Service: 5/1/2019 Supplemental Project ID: s1844 Project Status: Complete Model: 2023 RTEP



Dominion Transmission Zone M-3 Process Add 5TH TX – Beaumeade 230 kV Delivery - DEV

Need Number: DOM-2018-0012

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 8/21/2019

Previously Presented:

Need – 9/13/2018 Solution – 11/8/2018 & 8/8/2019

Project Driver:

Customer Service

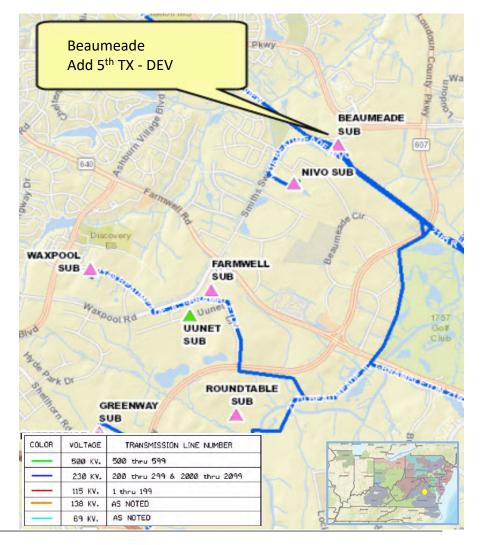
Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

DEV Distribution has submitted a DP Request to add a 5th distribution transformer at Beaumeade Substation in Loudoun County. The new transformer is being driven by projections that normal load at Beaumeade will be near 255 MW in 2020. Requested inservice date is 03/31/2020.

Projected 2023 Load Summer: 271.1 MW Winter: 262.1 MW





Dominion Transmission Zone M-3 Process Add 5TH TX – Beaumeade 230 kV Delivery - DEV

Need Number: DOM-2018-0012

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 8/21/2019

Selected Solution:

Install 1200 Amp, 50 kAIC circuit switcher and associated equipment (bus, switches, relaying, etc.) to feed the new transformer from existing 230 kV bus No.5 at Beaumeade.

Estimated Cost: \$0.75 M Projected In-Service: 3/31/2020 Supplemental Project ID: s1838.1 Project Status: Conceptual Model: 2023 RTEP





Need Number: DOM-2018-0012

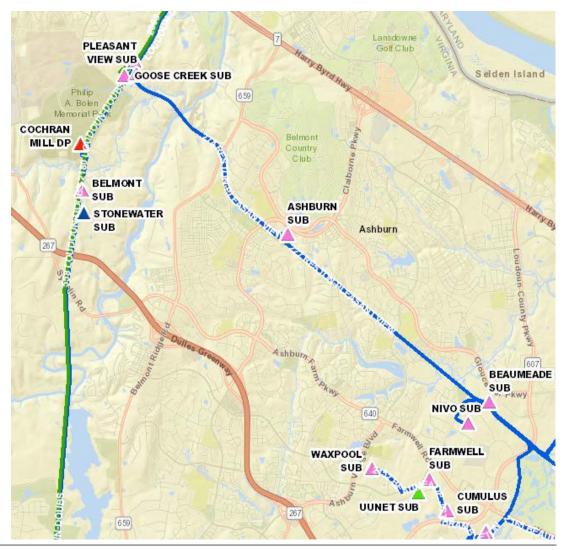
Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 8/21/2019

Project Driver: Customer Service (Do No Harm Analysis)

Problem Statement:

PJM has identified a generator deliverability violation with an overload of 100.18% on the Cochran Mill – Ashburn 230 kV line segment for the loss of Line 274. This overload is caused by the previously submitted Supplemental Projects in Dominion Zone and is being assigned to DOM-2018-0012.

Dominion Transmission Zone: Supplemental Do No Harm (DNH) Analysis





Dominion Transmission Zone: Supplemental Do No Harm (DNH) Analysis

Need Number: DOM-2018-0012

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 8/21/2019

Selected Solution :

Re-conductor Cochran Mill – Ashburn 230 kV and Ashburn – Beaumeade 230 kV line segments using a higher capacity conductor as well as upgrade the terminal equipment to achieve a rating of 1572 MVA.

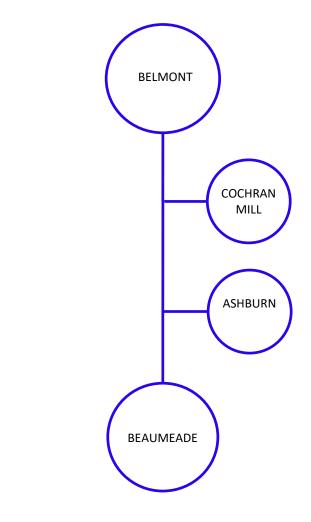
Estimated cost: \$15.0 M

Projected In-service Date: 06/01/2023

Supplemental Project ID: s1838.2

Project Status: Conceptual

Model: 2023 RTEP





Dominion Transmission Zone M-3 Process Summit 230kV Delivery - ODEC

(FUTURE) 552 LAKE OF THE WOODS FREDERICKS-BURG 594 CHANCELOR 2083 TODDS MINE TAVERN RD. BIRCHWOOD TUPNA NUG RIVER ·spotst 198 AYTES 568 Summit 230kV DP 2090 FO LADYSMITH CT WOODPECKER DP 575 2089 12 ST. JOHNS LADYSMITH ST. JOHNS Caro DP 574 FO 47 256 1013 KINGS 576 DOMINION. NORTH PINEWOOD DP DP 1008 2061 FOUR RIVERS COLOR VOLTAGE TRANSMISSION LINE NUMBER 500 thru 599 2067 500 KV. 200 thru 299 & 2000 thru 2099 230 KV. 2032 115 KV. 1 thru 199 138 KV. AS NOTED HANO AS NOTED 69 KV. 59



Need Number: DOM-2018-0002

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan -10/08/2019

Previously Presented:

Need - 9/13/2018 Solution - 10/11/2018

Project Driver:

Customer Service

Specific Assumption Reference:

Customer load request will be evaluated per Dominion's Facility Interconnections Requirements Document & Dominion's Transmission Planning Criteria.

Problem Statement:

ODEC has submitted a delivery point request south of Fredericksburg to serve projected residential, commercial and industrial loads. Customer requests service by 8/1/2019.

Projected 2023 load Summer: 35 MW Winter: 41 MW

ODEC does not have adequate distribution facilities to serve this customer load request.

Dominion Transmission Zone M-3 Process Summit 230kV Delivery - ODEC

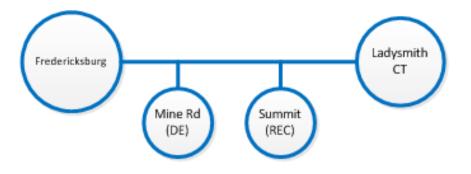
Need Number: DOM-2018-0002

Process Stage: Submission of Supplemental Project for Inclusion in the Local Plan – 10/08/2019

Selected Solution:

Install necessary 230kV facilities including three 230kV switches on Line #2090 and associated metering to connect the proposed new Summit Delivery Point.

Estimated Cost: \$1.4 M In-Service: 6/26/2019 Supplemental Project ID: s1751 Project Status: Complete Model: 2023 RTEP





Revision History

07/25/2019 – V1 – Local Plan posted to pjm.com for s1750, s1832-s1837, s1839-s1845. 08/21/2019 – V2 – Local Plan posted to pjm.com for s1838. 10/08/2019 – V3 – Local Plan posted to pjm.com for s1751.