# APPALACHIAN POWER COMPANY BEFORE THE VIRGINIA STATE CORPORATION COMMISSION CASE NO. PUR-2021-00219

## APPLICATION FOR APPROVAL AND CERTIFICATION OF ELECTRICAL TRANSMISSION LINE

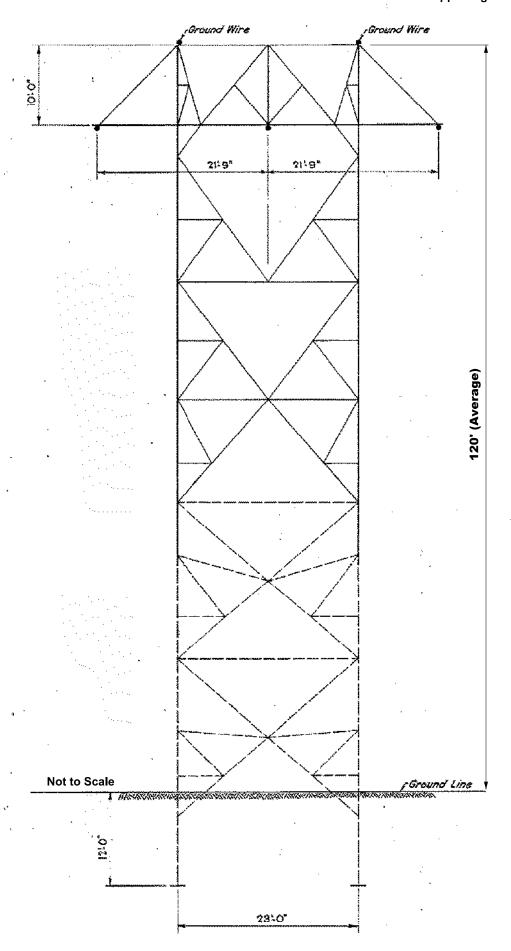
Fieldale to Ridgeway 138 kV Rebuild Project

#### VOLUME 1 OF 2

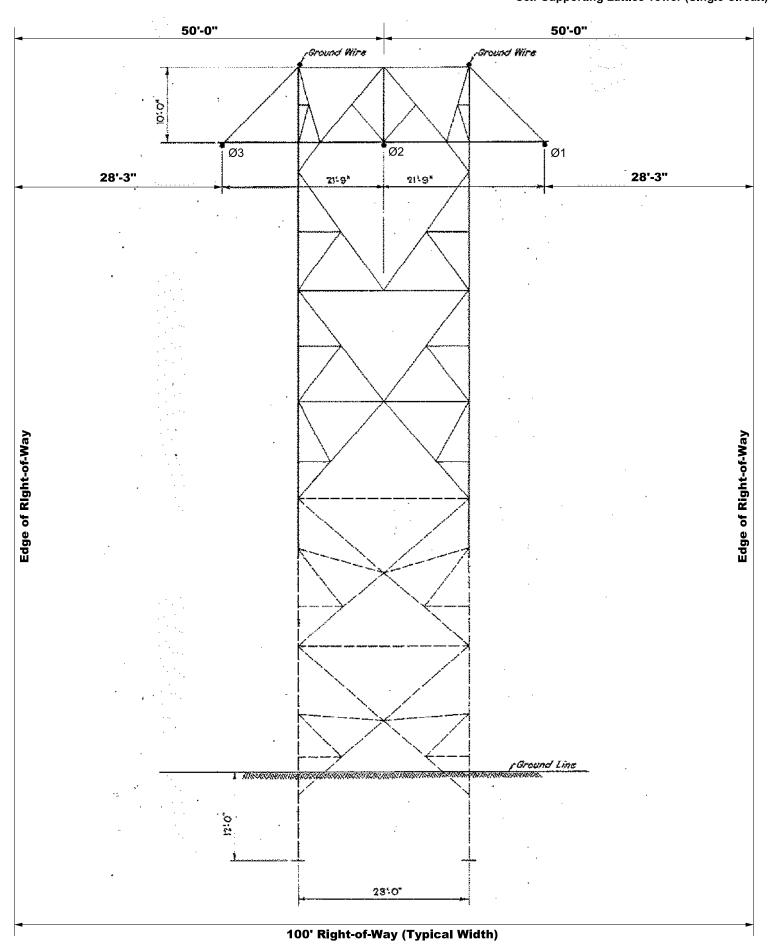
Application, Testimony, Response to Guidelines and <u>Exhibits</u>

November 2021

EXHIBIT 4: EXISTING 138 KV SELF-SUPPORTING LATTICE TOWER



TYPICAL SCHEMATIC

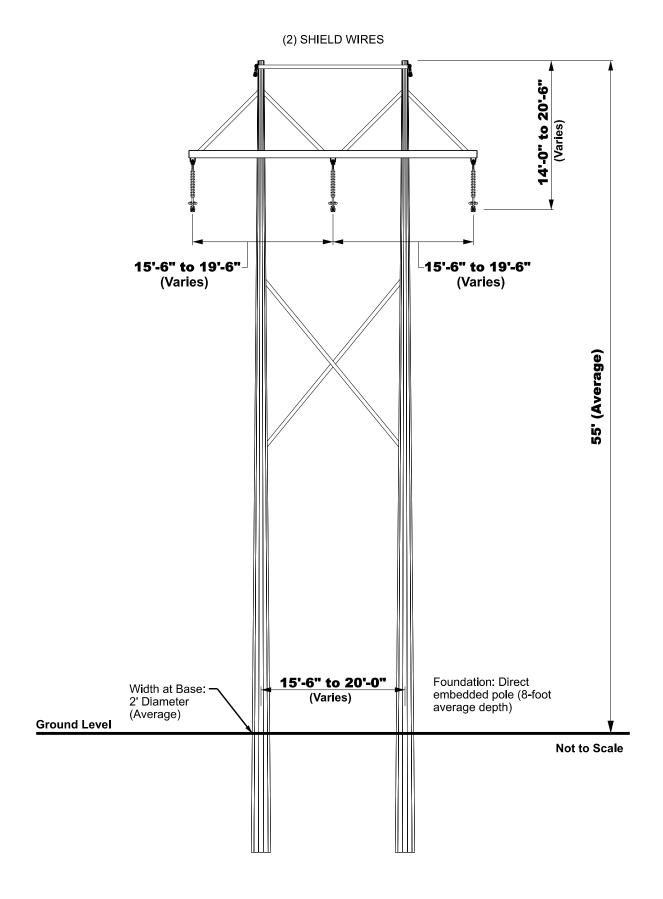


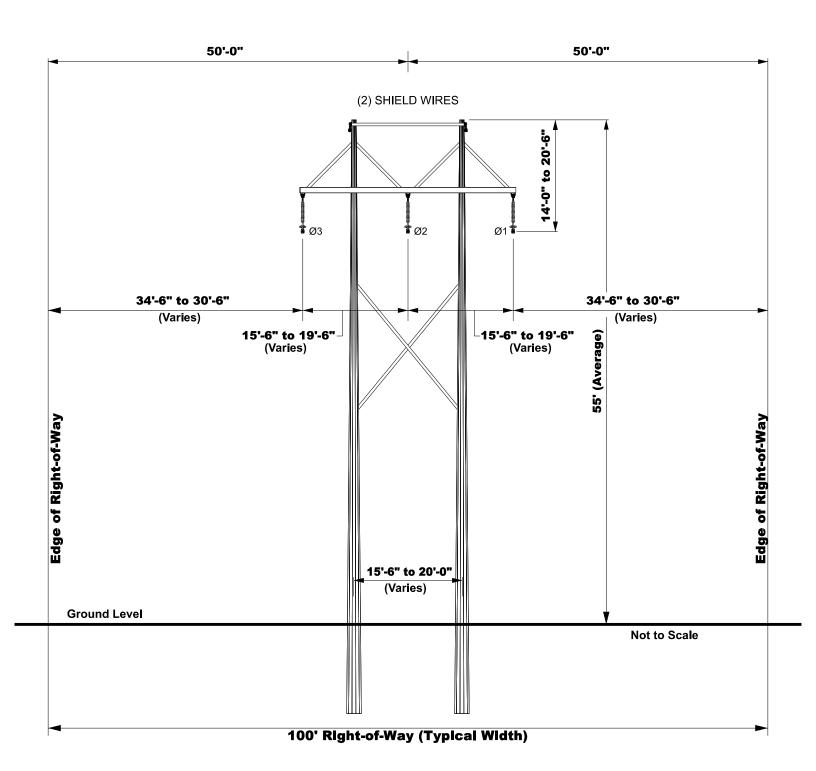
TYPICAL RIGHT-OF-WAY CROSS SECTION



COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

## **EXHIBIT 5: EXISTING 138 KV H-FRAME**

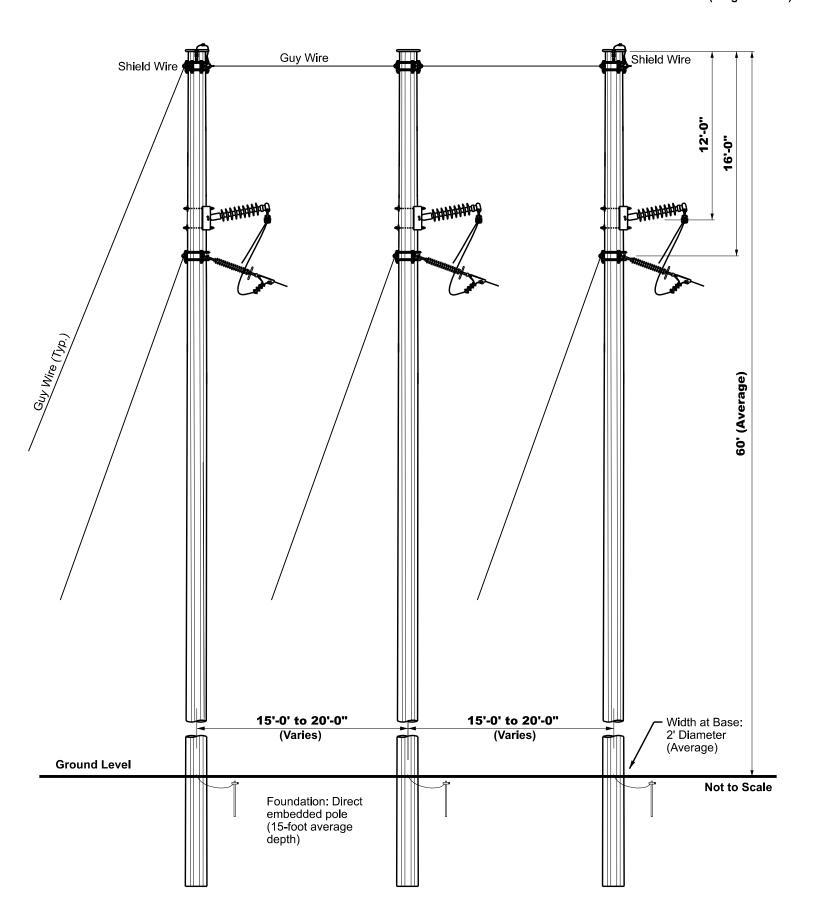


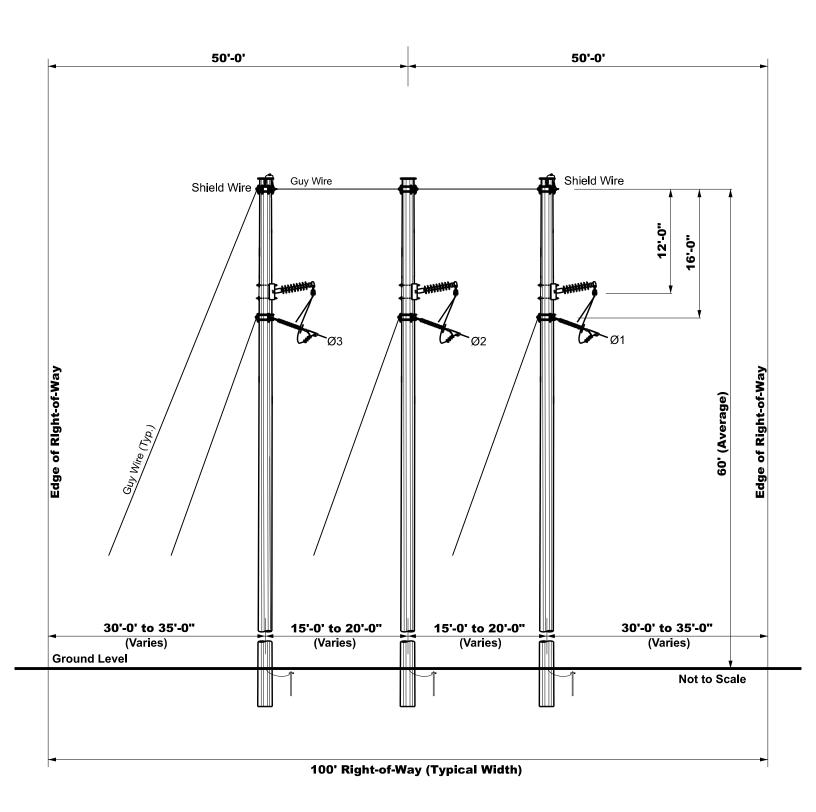




COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

## **EXHIBIT 6: EXISTING 138 KV THREE-POLE**

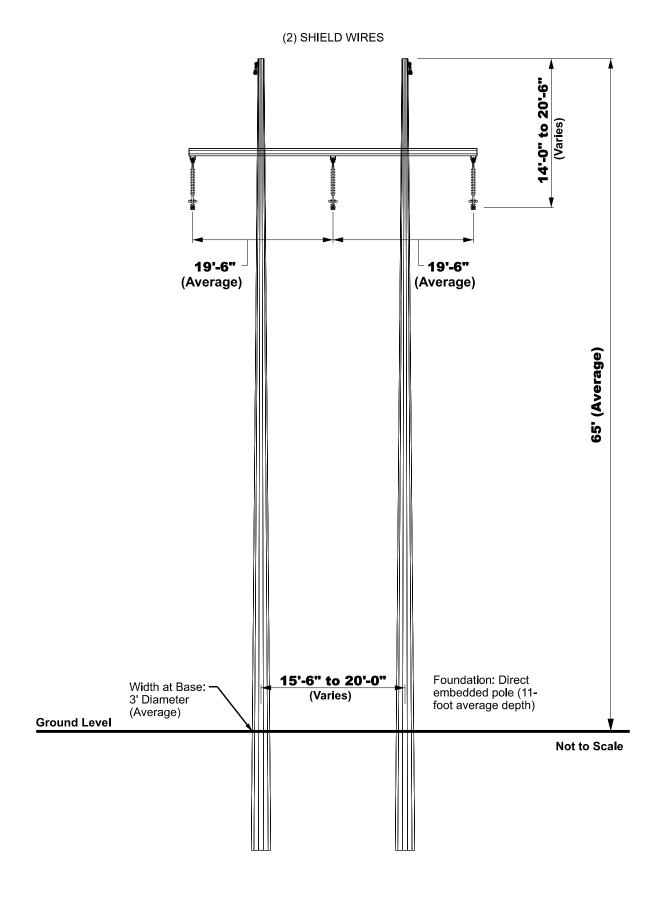


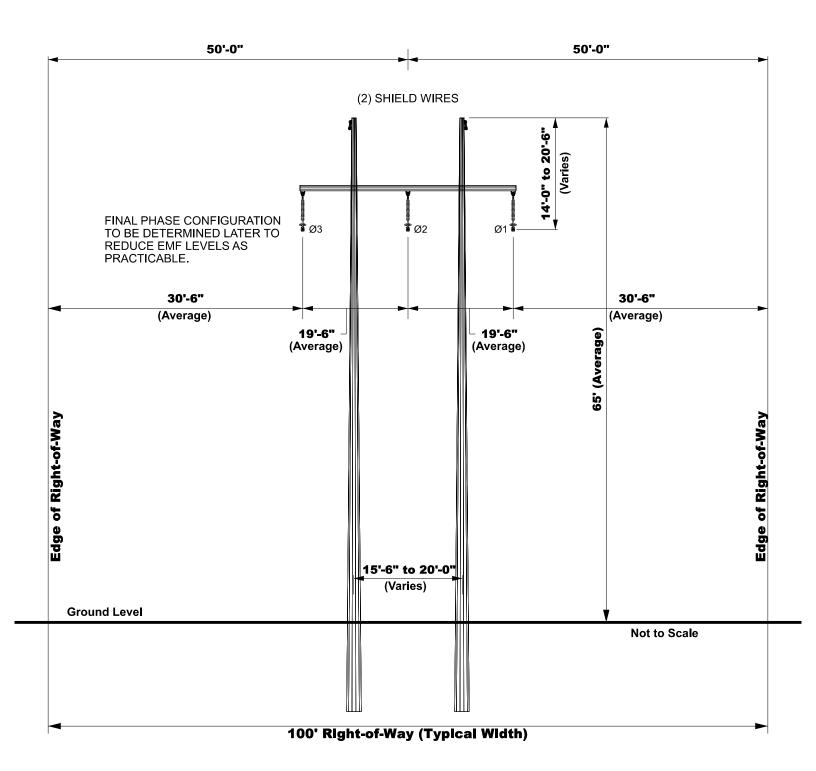


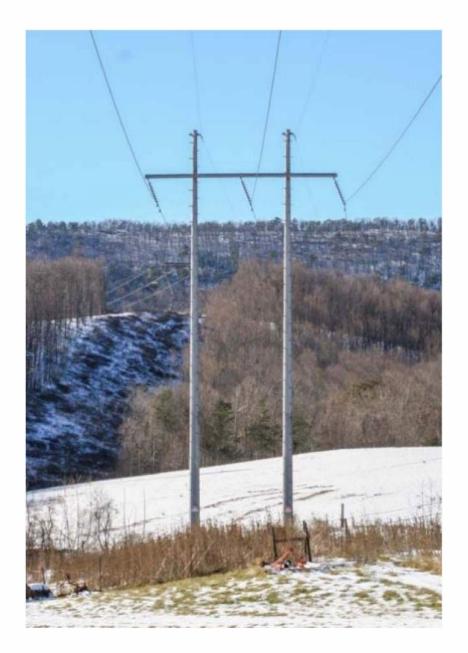


COMPARABLE EXISTING STRUCTURE PHOTOGRAPH

## **EXHIBIT 7: PROPOSED 138 KV H-FRAME**

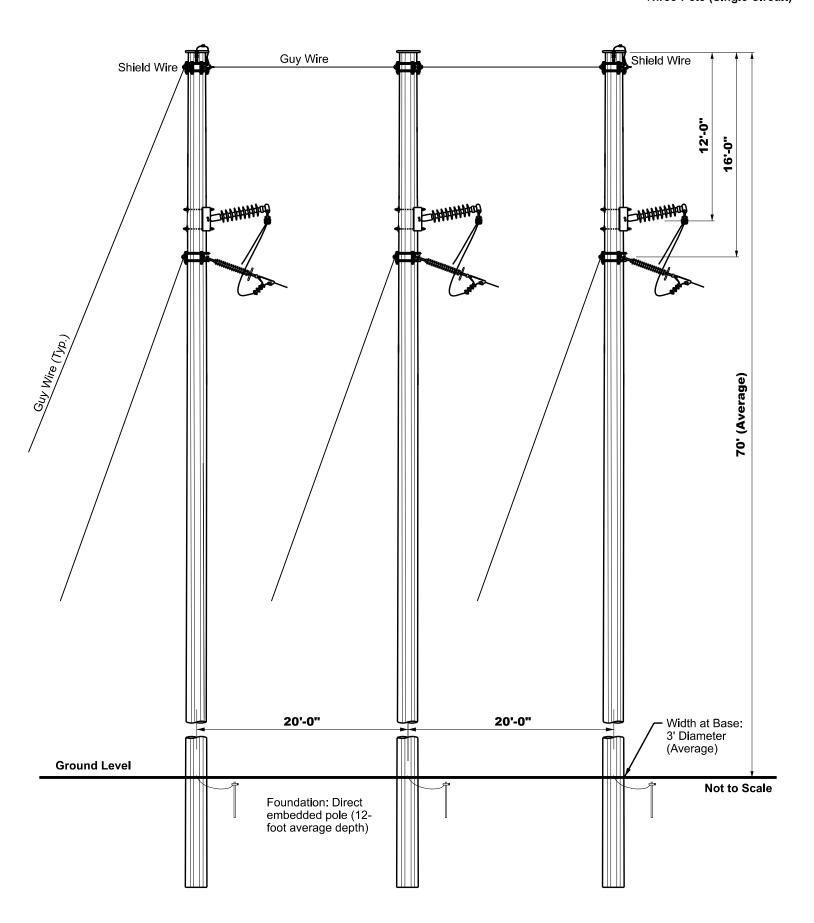


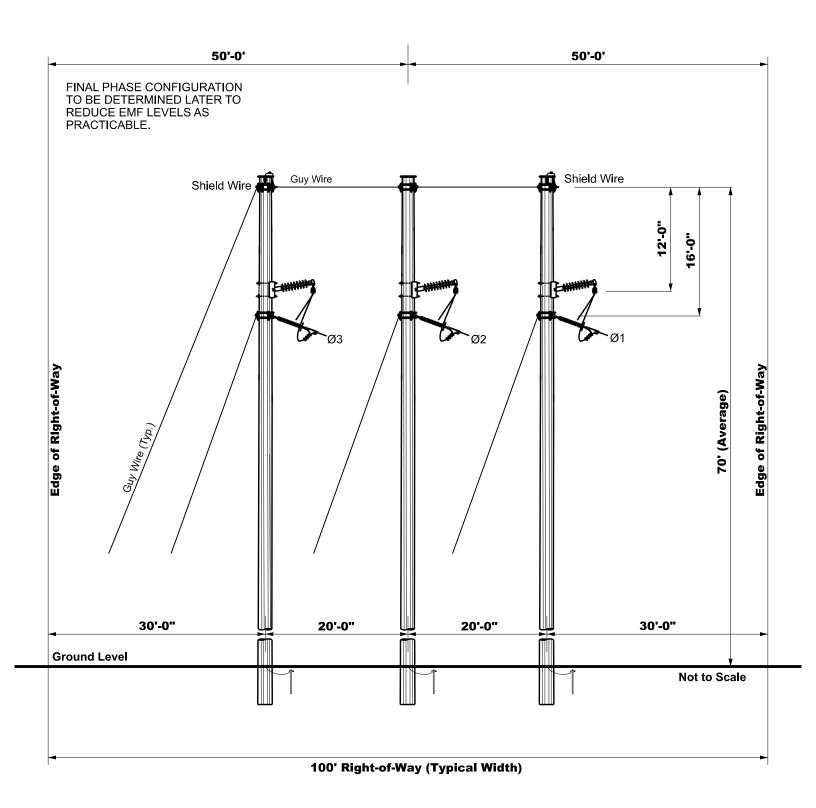




COMPARABLE PROPOSED STRUCTURE PHOTOGRAPH

## **EXHIBIT 8: PROPOSED 138 KV THREE-POLE**

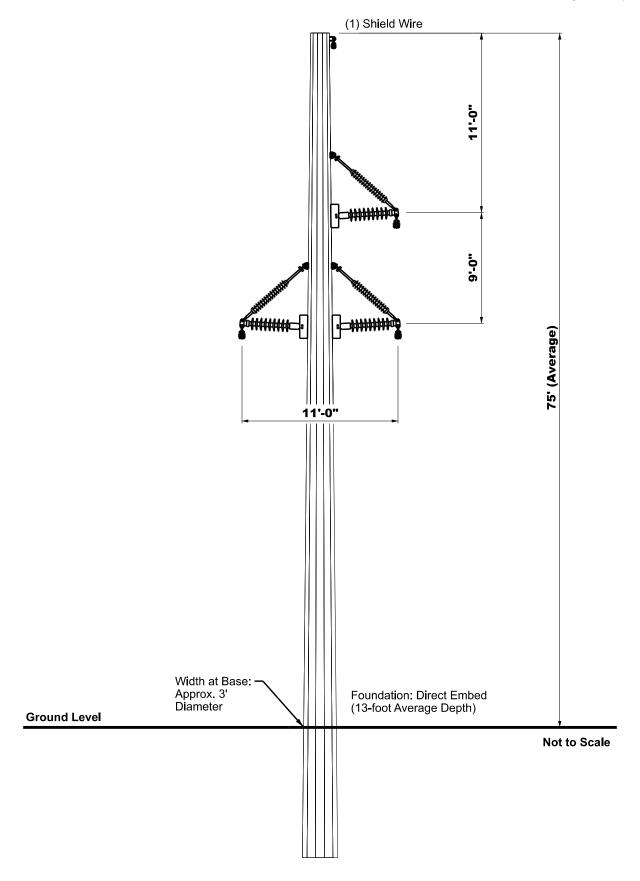


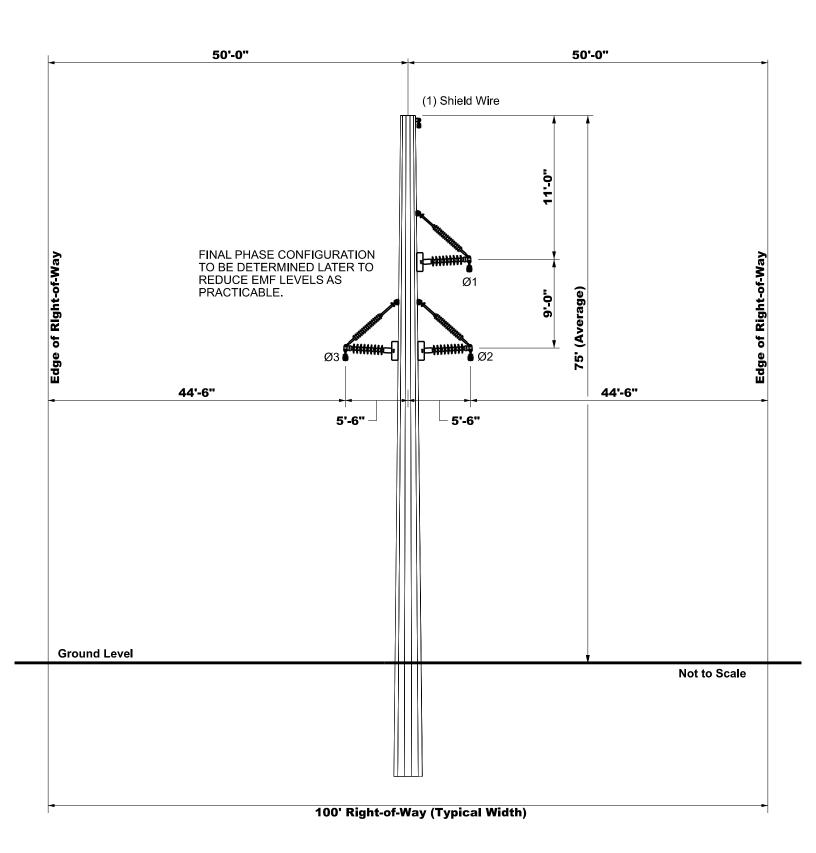




COMPARABLE PROPOSED STRUCTURE PHOTOGRAPH

EXHIBIT 9: PROPOSED 138 KV TANGENT BRACED-POST MONOPOLE

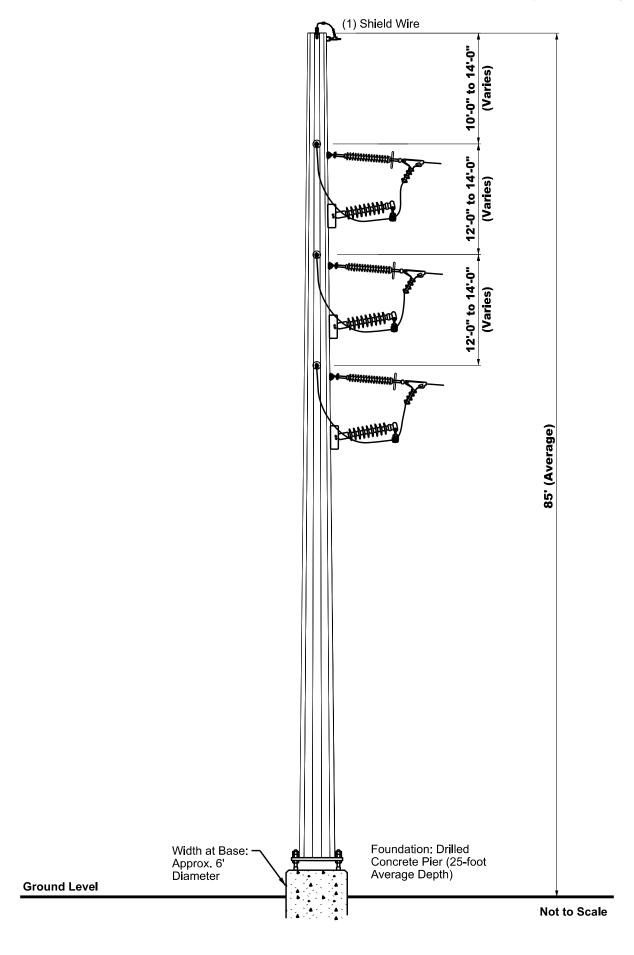


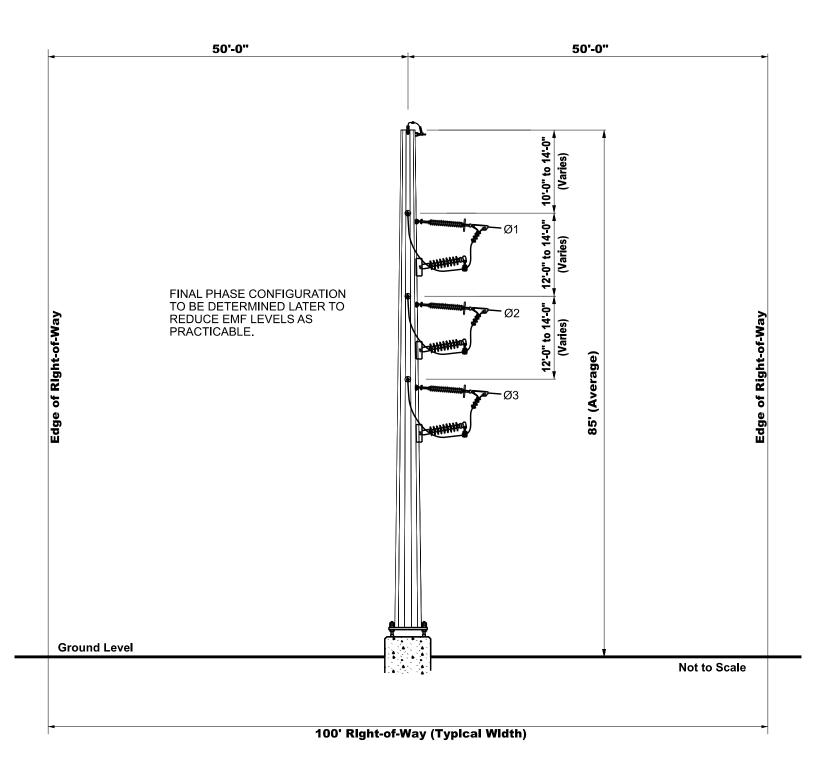


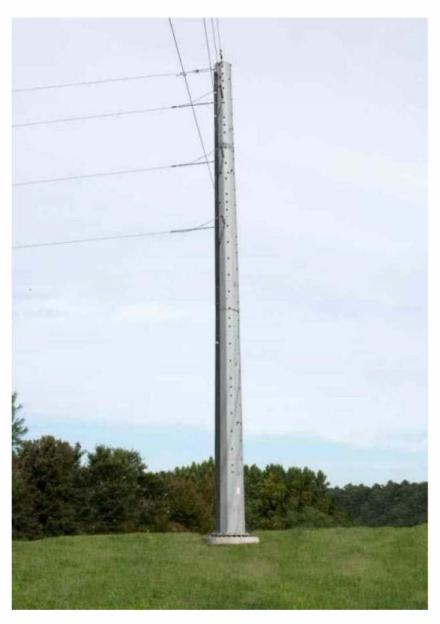


COMPARABLE PROPOSED STRUCTURE PHOTOGRAPH

### **EXHIBIT 10: PROPOSED 138 KV DEAD-END MONOPOLE**

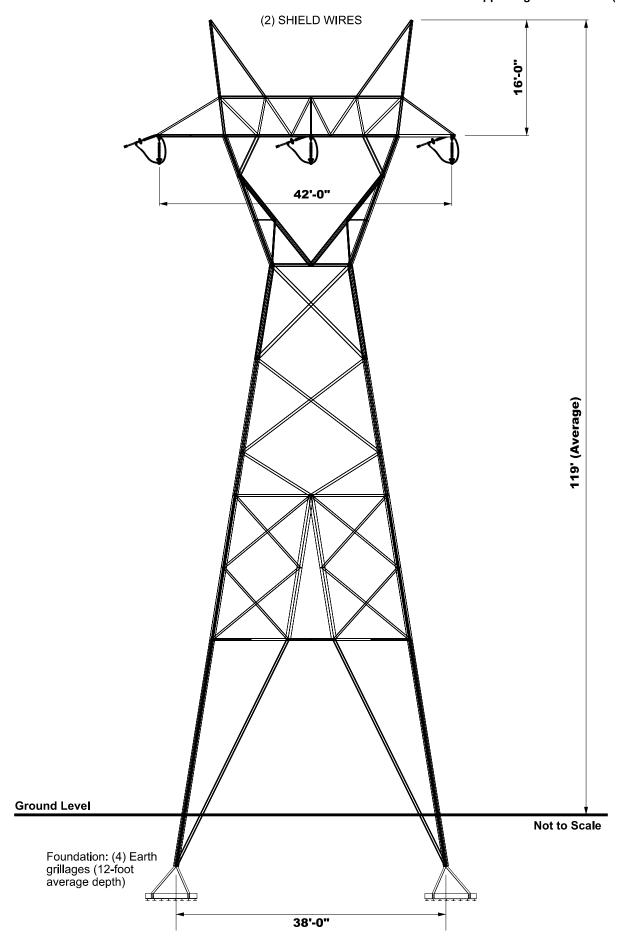




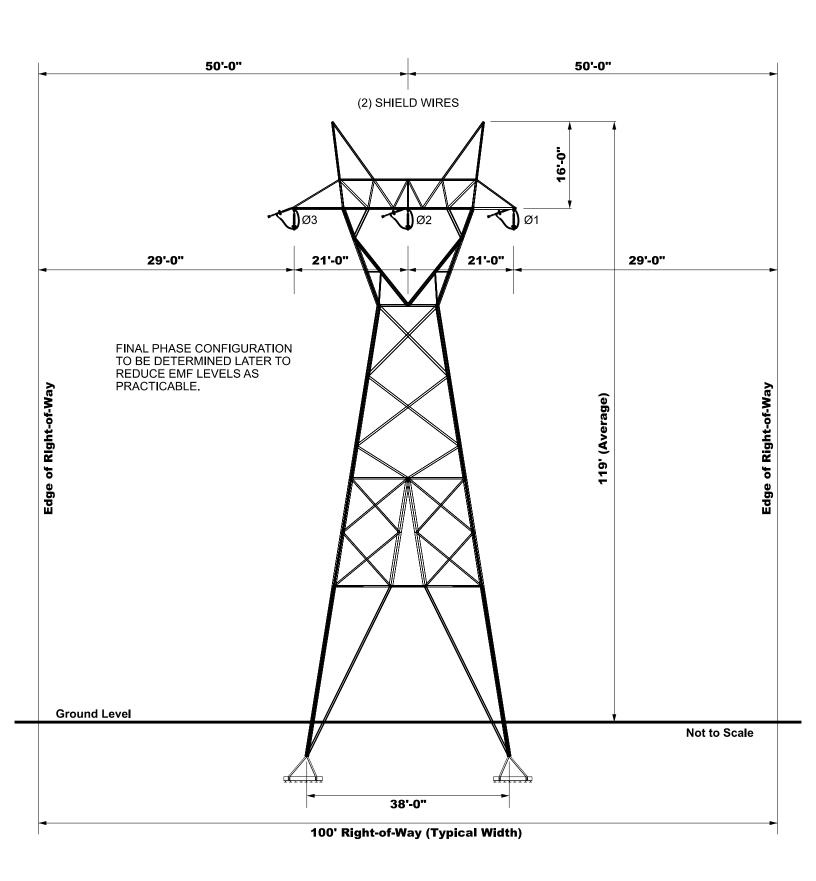


COMPARABLE PROPOSED STRUCTURE PHOTOGRAPH

# EXHIBIT 11: PROPOSED 138 KV SELF-SUPPORTING LATTICE TOWER



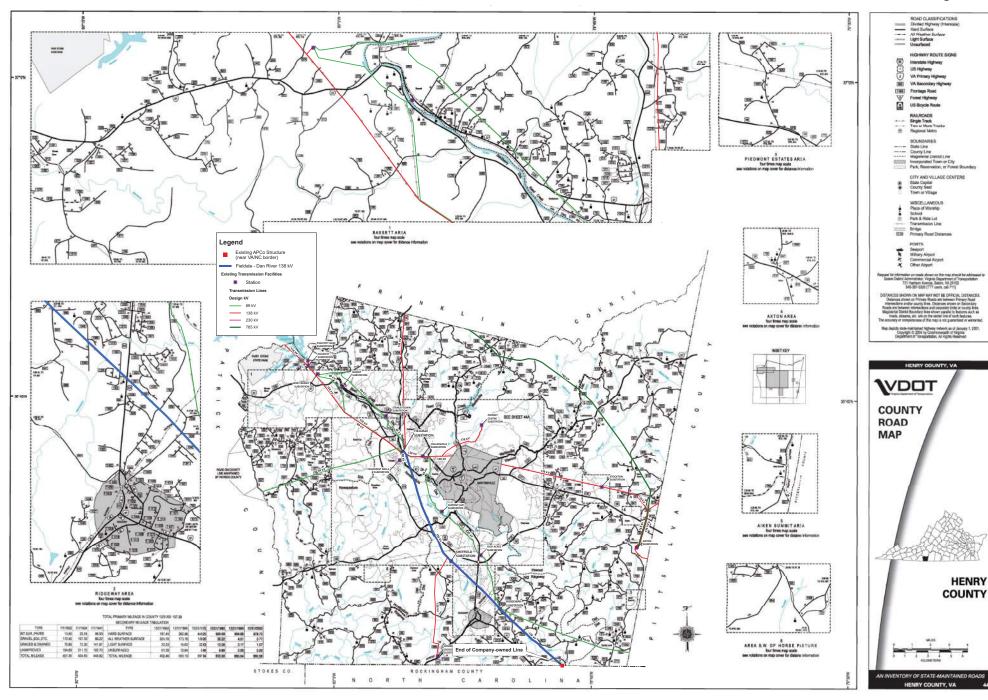
TYPICAL SCHEMATIC

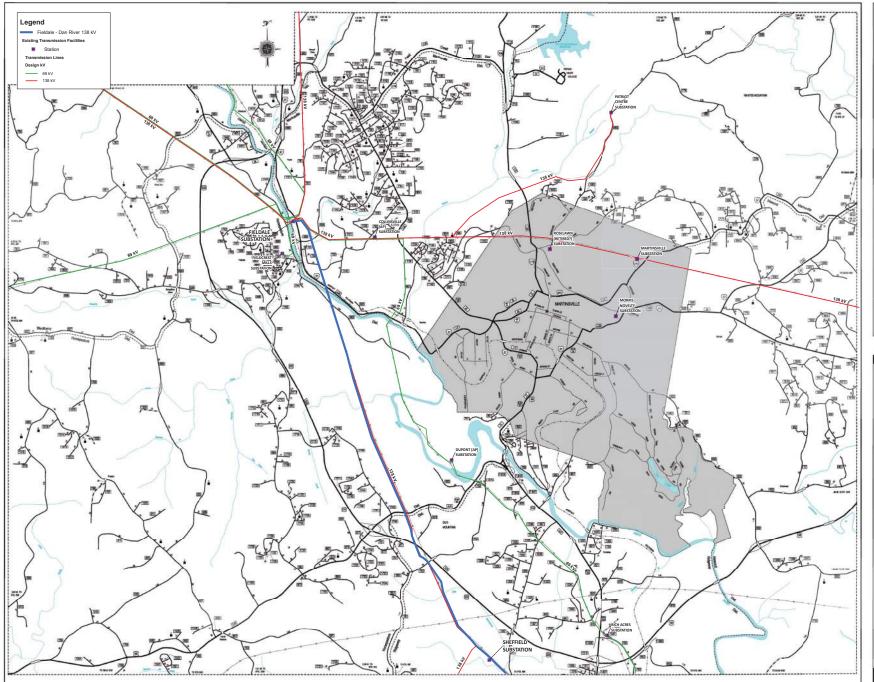


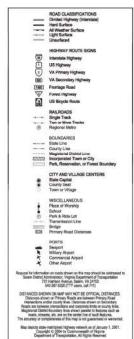


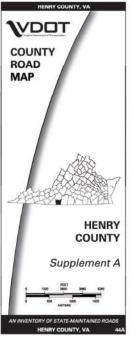
COMPARABLE PROPOSED STRUCTURE PHOTOGRAPH

# EXHIBIT 12: VDOT GENERAL HIGHWAY MAP AND EXISTING TRANSMISSION FACILITIES







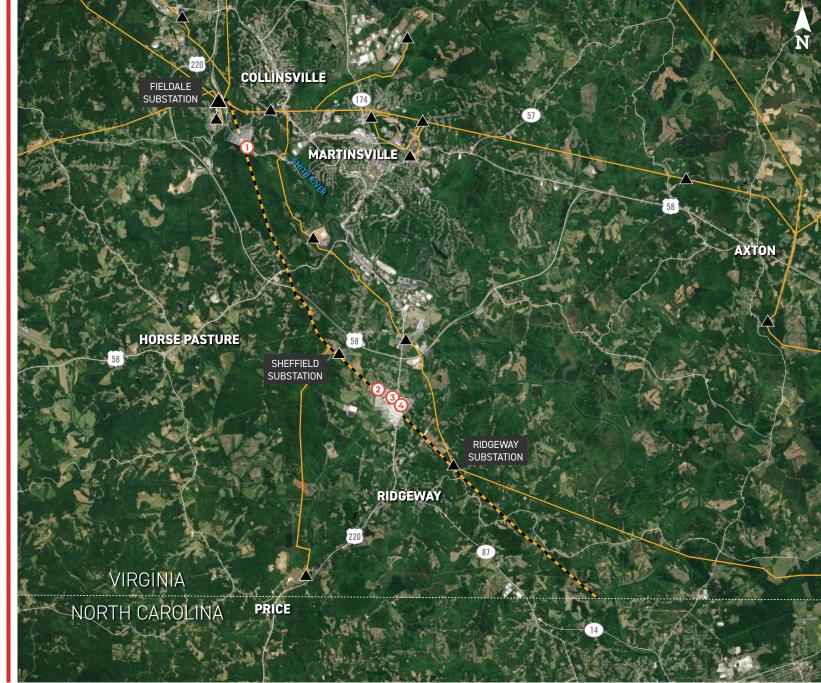


## **EXHIBIT 13: VISUAL SIMULATIONS**

# FIELDALE TO RIDGEWAY 138 KV REBUILD PROJECT

#### PHOTO VIEWPOINT MAP

- EXISTING 138 KV TRANSMISSION LINE TO BE REBUILT
- EXISTING AEP TRANSMISSION LINE
- EXISTING AEP SUBSTATION
- PHOTO VIEWPOINT





# FIELDALE TO RIDGEWAY 138 KV REBUILD PROJECT

#### PHOTO VIEWPOINT 1

LOCATED AT THE FIELDALE TRAIL AND RIVER ACCESS EASEMENT

DATE: 8/11/2021

TIME: 10:52 AM

DIRECTION: NORTH



EXISTING 138 KV TRANSMISSION LINE TO BE REBUILT

PHOTO VIEWPOINT







# FIELDALE TO RIDGEWAY

138 KV REBUILD PROJECT

#### PHOTO VIEWPOINT 2

DATE: 8/11/2021

TIME: 11:44 AM

**DIRECTION: SOUTHEAST** 



EXISTING 138 KV TRANSMISSION LINE TO BE REBUILT

2 PHOTO VIEWPOINT



BOUNDLESS ENERGY





# FIELDALE TO RIDGEWAY 138 KV REBUILD PROJECT

PHOTO VIEWPOINT 3

DATE: 8/11/2021

TIME: 12:12 PM

**DIRECTION: SOUTHEAST** 



EXISTING 138 KV TRANSMISSION LINE TO BE REBUILT

PHOTO VIEWPOINT



BOUNDLESS ENERGY"





# FIELDALE TO RIDGEWAY 138 KV REBUILD PROJECT

#### PHOTO VIEWPOINT 4

DATE: 8/11/2021

TIME: 11:59 AM

DIRECTION: SOUTHWEST



EXISTING 138 KV TRANSMISSION LINE TO BE REBUILT

PHOTO VIEWPOINT







### **EXHIBIT 14: PUBLIC NOTICE MAP**

## FIELDALE TO RIDGEWAY

#### 138 KV REBUILD PROJECT



