

Mountain Valley Pipeline Project

Docket No. CP16-10-000

Attachment DR5 Alternatives 4b

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**Comparison of the Alternative 682
and the Proposed Route**

| Feature | Alternative 682 | Proposed Route |
|--|-----------------|----------------|
| General | | |
| Total length (miles) | 5.9 | 5.2 |
| Length adjacent to existing right-of-way (miles) | 0.0 | 0.0 |
| Land disturbed within construction right-of-way (acres) <u>a/</u> | 89.0 | 79.3 |
| Land disturbed within operation right-of-way (acres) <u>a/</u> | 35.6 | 31.7 |
| Non-typical work areas required (acres) | 0.0 | 0.0 |
| Land Use | | |
| TNC Poor Mountain Easements crossed (miles) | 2.5 | 1.3 |
| Virginia Outdoors Foundation easements crossed (miles) | 0.0 | 0.0 |
| James Scott properties crossed (miles) | 0.0 | 0.6 |
| National Forest System lands crossed (miles) | 0.0 | 0.0 |
| National Forest Wilderness Area crossed (miles) | 0.0 | 0.0 |
| Residences within 50 feet of construction workspace (number) | 0 | 0 |
| Agricultural land affected (acres) | 3.4 | 13.9 |
| Populated areas within 0.5 mile (number) <u>g/</u> | 0 | 0 |
| Landowner parcels crossed (number) | 11 | 20 |
| Resources | | |
| Forested land crossed (miles) | 5.3 | 4.0 |
| Forested land affected during construction (acres) | 81.0 | 59.6 |
| Interior Forest affected during construction (acres) | 79.9 | 56.2 |
| Known habitat for federally-listed species (acres) <u>e/</u> | 0 | 0 |
| Known archaeological or historic sites within 0.5 mile (number) <u>h/</u> | 5 | 18 |
| Wetlands (NWI) crossed (number) <u>b/</u> | 0 | 1 |
| Forested wetlands (NWI) crossed (number) <u>c/</u> | 0 | 1 |
| Forested wetlands (NWI) affected (acres) <u>c/</u> | 0.0 | 0.2 |
| Perennial waterbody crossings (number) <u>b/</u> | 1 | 2 |
| Major waterbody crossings (crossing width > 100 feet) (number) | 0 | 0 |
| Total length of all waterbody crossings (feet) <u>f/</u> | 20 | 40 |
| Surface waterbodies designated as public drinking water supply crossed (number) | 0 | 0 |
| Springs and domestic water supply wells within 150 feet of the centerline (number) | 0 <u>d/</u> | 14 |
| Steep slope crossed (miles) | 4.6 | 2.8 |
| Side slope crossed (miles) | 5.0 | 2.5 |
| Shallow bedrock crossed (miles) | 4.4 | 1.8 |
| Landslide potential crossed (miles) | 1.3 | 2.4 |
| Karst (miles) <u>c/</u> | 0.0 | 0.0 |
| Known karst features, sinkholes, or caves within 50 feet of the construction right-of-way (number) | 0 | 0 |

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| <p>Notes:</p> <ul style="list-style-type: none">a/ Assuming 125-foot-wide construction right-of-way and 50-foot-wide operation right-of-way.b/ NWI and NHD data used in order to provide a common comparison between the route adjustment and proposed route since field surveys were not conducted along the route adjustment.c/ USGS, 2014. Mineral Resources Program data available at https://mrdata.usgs.gov/geology/state.d/ none known, but not field delineated.e/ Potential Indiana bat and Virginia Tier 1 Habitats.f/ using estimated average crossing length of 20 feet for NHD waterbodies.g/ City or town limits as shown in Environmental Systems Research Institute (ESRI) data.h/ sites identified during project-specific field surveys, which includes only the very start and end of the variation route. | | |