Equitrans, L.P.
Equitrans Expansion Project
Docket No. CP16-13-000
Supplemental Materials Submitted October 31, 2016

Attachment E

UPDATED DEIS TABLES

DEIS TABLE 1.5-1
(Updated for EEP October 2016 Proposed Route)

Major Environmental Permits, Licenses, Approvals, and Consultations Applicable to the Proposed Projects

		Mountain Valley Project		Equitrans Expansion Project	
Agency	**Permit/ Consultation**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**
Federal					
FERC	Certificate under Section 7 of the NGA	October 23, 2015 application filed with the FERC	Pending	October 27, 2015 application filed with the FERC	Pending
BLM	Right-of-way Grant for COE and FS lands	April 5, 2016	Pending	N/A	N/A
ACHP	Comment on undertakings under Section 106 of the NHPA	Pending	Pending	Pending	Pending
USDA FS Jefferson National Forest	Survey permission under the Forestwide Standard, FW-244	November 2014, March 2015, August 2015	Pending	N/A	N/A
	Consideration of the Right-of-Way Grant and Temporary Use Permit under Section 28 of the Mineral Leasing Act Cooperating Agency for EIS under Section 204 of NEPA LRMP Amendments Regional Forester's Sensitive Species viability determinations	April 5, 2016	Pending	N/A	N/A
	ROD for Forest Plan Amendments under the National Forest Management Act	January 22, 2016 filed Right-of-Way Grant application & POD	Pending	NA	NA

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Agency	**Permit/ Consultation**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**
COE Huntington District, Norfolk District, Pittsburgh District	Section 404 of CWA & Section 10 of RHA permits	February 21-24, 2016	Pending	October 2015	Pending
	Joint Permit Application	N/A	N/A	June 2016	Pending
USDOI - FWS	Section 7 of ESA, BGEPA, and MBTA Consultations	Consultation Initiated September 2014	Pending	Consultation Initiated June 24, 2015	~~Pending~~Received clearance February 2016
USDOI – NPS ANST Office Blue Ridge Parkway Office	Right-of-way Grant to cross the Blue Ridge Parkway under the Energy Policy Act of 2005; 36 CFR 14; 16 USC5; 16 USC 79; NEPA	Applications Pending	Pending	N/A	N/A
DOT - PHMSA and Office of Safety, Energy, and the Environment	Consultation	Consultation Initiated October 2014	N/A	Consultation Initiated April 27, 2015	N/A
State of West Virginia					
West Virginia Division of Culture and History	Section 106 NHPA Consultations	August 12, October 12, & December 24, 2015 & February 24, June 16, & July 8, 2016 reports submitted	October 6 & November 16, 2015 & January 27, February 12, April 4, & May 2, 2016 SHPO comments	~~February 5~~January 28, 2016 survey report~~s~~ submitted	~~Pending~~February 16, 2016 SHPO comments.
WVDEP, Division of Air Quality	CAA permit for air emissions for the Bradshaw, Harris, and Stallworth Compressor Stations	Application filed October 21, 2015	Pending	N/A	N/A
WVDEP, Division of Water and Waste Management	Section 401 CWA Water Quality Certification	Application filed February 25, 2016	Pending	N/A	N/A

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		Mountain Valley Project		Equitrans Expansion Project	
Agency	**Permit/ Consultation**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**
	Section 402 CWA NPDES Permit – Construction Stormwater General Permit for Oil and Gas Related Construction Activities	Application filed February 23, 2016	Pending	~~Application filed August 2016Application Pending~~ (December 2016)	(June 2017)~~Pending~~
	Section 402 CWA NPDES Hydrostatic Test Discharge Permit	Application filed October 2016	Pending	(1st quarter 2017)~~Application filed August 2016Application Pending~~	(June 2017)~~Pending~~
WVDNR, Office of Land and Streams	Permit for construction in or across a stream under WV Code Chapter 5A, Article 11	Application filed second quarter 2016	Pending	~~Application PendingApplication filed August 2016~~ (1st quarter 2017)	~~Pending~~(June 2017)
West Virginia Department of Transportation	Road Crossings & Encroachment Permits under Section 6, Article 16, Chapter 17; Section 9, Article 16, Chapter 17; Section 8, Article 4, Chapter 17, West Virginia Code 1931	Application filed second quarter 2016	Pending	Application Pending	Pending
State of Virginia					
VDEQ – Water Division	Section 401 CWA – Water Quality Certificate	N/A – issued with the COE permit	Pending	N/A	N/A
	Section 402 CWA NPDES Permit – Construction Stormwater General Permit	February 11, 2016, June 27, 2016	Pending	N/A	N/A

DEIS TABLE 1.5-1
(Updated for EEP October 2016 Proposed Route)

Major Environmental Permits, Licenses, Approvals, and Consultations Applicable to the Proposed Projects

		Mountain Valley Project		Equitrans Expansion Project	
Agency	**Permit/ Consultation**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**
	Section 402 CWA NPDES Hydrostatic Test Withdrawal Permit (Permit 9VAC25-200-10)	Consultation Initiated on March 22, 2016	N/A	N/A	N/A
	Section 402 CWA NPDES Hydrostatic Test Discharge Permit (General Permit VAG83)	Consultation Initiated on March 22, 2016	N/A	N/A	N/A
VDGIF	Consultations on impacts on state-managed lands under FWS Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.)	Consultation Initiated on March 22, 2016	N/A	N/A	N/A
Virginia Department of Historic Resources	Section 106 NHPA Consultations	August 12, September 11, 2015, October 8, & December 1, 2015, & January 14, March 10 & 15, June 7 & 24, & July 12, 2016 reports submitted	October 22 & 27, & December 30 & 31, 2015 & January 6, February 18, April 21 , & May 25, 2016 SHPO comments	N/A	N/A
Virginia Department of Transportation	Road bonds and crossing permits under Code of Virginia 33.1-12	Application filed second quarter 2016	Pending	N/A	N/A
Virginia Marine Resources Commission	Submerged Lands License under Virginia Administrative Code 4 VAC 20-120-10 ET SEQ.	February 24, 2016	Pending	N/A	N/A
Virginia Department of Forestry	Consultations	Consultation Initiated on October 13, 2014	N/A	N/A	N/A

DEIS TABLE 1.5-1
(Updated for EEP October 2016 Proposed Route)

Major Environmental Permits, Licenses, Approvals, and Consultations Applicable to the Proposed Projects

		Mountain Valley Project		Equitrans Expansion Project	
Agency	**Permit/ Consultation**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**
Virginia Department of Conservation and Recreation	Consultations regarding wildlife species/habitat, state-managed lands, and state parks	Consultation Initiated on October 13, 2014	N/A	N/A	N/A
Virginia Outdoors Foundation	Conversion/Diversion of Open Space Access or Utility Easement Application under Virginia Code Section 10.1-1704	January 22, 2016	Pending	N/A	N/A
State of Pennsylvania					
Pennsylvania ~~Historical and~~State Historic Preservation Office ~~Museum Commission, Bureau for Historic Preservation~~	Section 106 NHPA Consultations	N/A	N/A	January 28, February 17, September 23, & September 26, 2016 reports submitted~~February 5, 2016 survey reports submitted~~	March 22, 2016 (two letters of comment); additional SHPO comments pending~~Pending~~
Pennsylvania Department of Conservation and Natural Resources	ESA Consultations	N/A	N/A	Consultation Initiated on June 24, 2015	~~Pending~~Received clearance October 2016
Pennsylvania Department of Environmental Protection (PADEP), Air Permits Division	Chapter 127 Minor Source Permit Title V or Minor Source Operating Permit under CAA	N/A	N/A	October 2015	Pending

DEIS TABLE 1.5-1
(Updated for EEP October 2016 Proposed Route)

Major Environmental Permits, Licenses, Approvals, and Consultations Applicable to the Proposed Projects

		Mountain Valley Project		Equitrans Expansion Project	
Agency	**Permit/ Consultation**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**
PADEP	ESCGP-2; General Permit for Earth Disturbance Associated with Oil and Gas Exploration, Production, Processing, or treatment operations or transmission facilities under 25 Pa. Code 102.5 (c) and (m)	N/A	N/A	March 2016	~~Pending~~(June 2017)
	PAG-10 General Permit; Hydrostatic Testing of Tanks and Pipelines under CWA	N/A	N/A	Consultation initiated on April 27, 2015; State-wide PAG-10 authorization held. Permit Application Filed – March 2016	N/A
PADEP, Division of Waterways, Wetlands, and Stormwater Management	Chapter 105 Water Obstruction and Encroachment Permit; CWA Section 401 Water Quality Certification (jointly with COE Section 404) Submerged Lands License Agreement	N/A	N/A	October 2015	~~Pending~~(June 2017)
Pennsylvania Fish and Boat Commission	ESA Consultations	N/A	N/A	Consultation Initiated on June 24, 2015	~~Pending~~Received clearance January 2016
Pennsylvania Game Commission	ESA Consultations	N/A	N/A	Consultation Initiated on June 24, 2015	~~Pending~~Received clearance June 2015

DEIS TABLE 1.5-1
(Updated for EEP October 2016 Proposed Route)

Major Environmental Permits, Licenses, Approvals, and Consultations Applicable to the Proposed Projects

		Mountain Valley Project		Equitrans Expansion Project	
Agency	**Permit/ Consultation**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**	**Submittal Date (Anticipated)**	**Receipt Date (Anticipated)**
Pennsylvania Department of Transportation	Highway Occupancy Permit under Sections 411 and 420 of the State Highway Law	N/A	N/A	~~Application Pending~~Consultation initiated on April 27, 2015	~~Pending~~(June 2017)

N/A = Not applicable

DEIS TABLE 2.1-4
(Updated for EEP October 2016 Proposed Route)

Pipeline Facilities for the Equitrans Expansion Project

State/Pipeline Segment	County	MP Range	Pipeline Diameter (inches)	Length (miles)
Pennsylvania				
H-318	Allegheny	0.0 – 3.0	20	3.0
H-318	Washington	3.0 – 4.3	20	1.3~~2~~
H-316	Greene	0.0 – 3.0	30	3.0
H-158	Greene	0.0 – 0.2	12	0.2
M-80	Greene	0.0 – 0.2	6	0.2
H-305	Greene	0.0 – 0.1	24	0.1
			Pennsylvania (subtotal)	*7.8*
West Virginia				
H-319	Wetzel	0.0 – <0.1	16	<0.1
			West Virginia (subtotal)	*<0.1*
			Equitrans Expansion Project Total	**7.9**

Note: Totals may not sum correctly due to rounding.

DEIS TABLE 2.3-1
(Updated for EEP October 2016 Proposed Route)

Land Requirements Associated with the Mountain Valley Project and the Equitrans Expansion Project

Project Component/State	Land Affected During Construction (acres)	Land Affected During Operation (acres)
PIPELINE FACILITIES		
West Virginia		
Pipeline Right-of-Way (MVP)	2,896.8	1,184.5
ATWS (MVP)	503.9	0.0
Pipeline Right-of-Way (EEP)	~~0.4~~0.7	~~0.3~~0.4
ATWS (EEP)	~~1.6~~2.3	0.0
Virginia		
Pipeline Right-of-Way (MVP t)	1,551.1	639.5
ATWS (MVP	230.1	0.0
Pennsylvania		
Pipeline Right-of-Way (EEP)	~~90.~~93.70	~~46.0~~47.4
ATWS (EEP)	~~59.~~57.99	0.0
Subtotal Pipeline Facilities – MVP	*5,181.9*	*1,824.0*
Subtotal Pipeline Facilities - EEP	*~~151.9~~151.6*	*~~46.2~~47.8*
Combined MVP and EEP Pipeline Facilities Total	***5,334***	***1,870***
ABOVEGROUND FACILITIES		
West Virginia		
Mobley Interconnect (MVP)	5.0	0.8
Bradshaw Compressor Station (MVP)	24.0	5.8
Sherwood Interconnect (MVP	7.1	2.0
Harris Compressor Station (MVP)	21.1	4.4
WB Interconnect (MVP t)	6.2	1.2
Stallworth Compressor Station (MVP)	24.7	5.7
Webster Interconnect (EEP)	0.8	0.8
Mobley Tap (EEP)	0.4	~~0.4~~0.2
H-306 Tap (EEP)	<0.1	<0.1
H-148 Tap (EEP)	<0.1	<0.1
Virginia		
Transco Interconnect (MVP)	6.2	2.4
Pennsylvania		
Redhook Compressor Station (EEP)	~~17.7~~17.2	~~17.7~~8.8
Pratt Compressor Station Decommissioning (EEP)	7.5	7.5
Applegate Pig Launcher/Receiver (EEP)	0.4	0.4
Hartson Pig Launcher/Receiver (EEP)	0.1	0.1
H-302 Tap & Pig Launcher/Receiver (EEP)	0.1	0.1
Subtotal Aboveground Facilities – MVP	94.2	22.4
Subtotal Aboveground Facilities - EEP	~~26.4~~26.5	~~26.4~~18

DEIS TABLE 2.3-1
(Updated for EEP October 2016 Proposed Route)

Land Requirements Associated with the Mountain Valley Project and the Equitrans Expansion Project

Project Component/State	Land Affected During Construction (acres)	Land Affected During Operation (acres)
Combined MVP and EEP Aboveground Facilities Total		
YARDS		
West Virginia (MVP)	109.1	0.0
West Virginia (EEP)	0.3	0.0
Virginia (MVP)	37.8	0.0
Pennsylvania (EEP)	11.4	0.0
Subtotal Yards – MVP	147.0	0.0
Subtotal Yards - EEP	11.6	0.0
Combined MVP and EEP Yards Total	**158.6**	**0.0**
ACCESS ROADS		
West Virginia (MVP)	648.5	175.3
West Virginia (EEP)	0.1	0.1
Virginia (MVP	234.6	71.8
Pennsylvania (EEP)	~~8.2~~10.5	~~2.0~~5.2
Subtotal Access Roads – MVP	883.1	247.1
Subtotal Access Roads - EEP	~~8.4~~10.6	~~2.~~5.30
Combined MVP and EEP Access Roads Total	**891.5**	**249.1**
CATHODIC PROTECTION BEDS		
West Virginia (MVP)	12.0	6.2
West Virginia (EEP)	0.0	0.0
Virginia (MVP)	7.0	3.6
Pennsylvania (EEP)	~~1.0~~1.1	~~1.0~~1.1
Subtotal Cathodic Protection Beds – MVP	19.0	9.8
Subtotal Cathodic Protection Beds - EEP	~~1.0~~1.1	~~1.0~~1.1
Combined MVP and EEP Cathodic Protection Beds Total	**20.0**	**10.8**
MVP Totals	6,325.1	2,103.2
EEP Totals	~~199~~201.4.3	~~75.7~~72.1
COMBINED TOTALS FOR BOTH PROJECTS	**6,524.4**	**2,178.9**

Note: The totals shown in this table are rounded.
Note: Land Requirements associated with the Jefferson National Forest crossing are provided in section 4.8.1.

DEIS TABLE 2.3-4
(Updated for EEP October 2016 Proposed Route)

Yards for the Equitrans Expansion Project

Yard Name or Number	County/State	Land Use	Size (acres)
H316-ATWS-08	Greene, PA	Agricultural, forest	1.8
H318-ATWS-08	Washington, PA	Developed, open space, and grasslands	2.5
H-318-ATWS-09	Washington, PA	Forest and open space	1.4
H-318-ATWS-10	Washington, PA	Developed and open space	2.3
H158/M80-ATWS-01 a/	Greene, PA	Forest, developed, open space, and agricultural	3.3
~~H158/M80-ATWS-02 a/~~	~~Greene, PA~~	~~Forest, developed, and open space~~	~~0.5~~
~~Redhook-ATWS-01~~	~~Greene, PA~~	~~Forest, developed, and open space~~	~~1.5~~
Pratt Compressor Station Site	Greene, PA	Industrial	7.5
H319-ATWS-02	Wetzel, WV	Forest and open space	0.3
		Equitrans Expansion Project Total	***21.2***

a/ Yards for H158/M80 would be used for construction of the H-305 pipeline.

DEIS TABLE 2.4-1
(Updated for EEP October 2016 Proposed Route)

Summary of Proposed Modifications to the FERC's Plan and Procedures

Applicable FERC Plan/ Procedures Section	Requested by	Resource Issue	Description	Status	Section Discussed
~~Plan at Section IV.F.1.b~~	~~Equitrans~~	~~Spacing of temporary slope breakers~~	~~Proposal to use PADEP's slope breaker spacing which is more stringent than the FERC's spacing~~	~~Acceptable~~	~~2.4.2.8~~
Procedures at Sections II.A.1, VI.B.1.a, and V.B.2.b	Mountain Valley/Equitrans	Extra workspace positioning relative to waterbodies and wetlands.	Proposal to utilize extra workspace within 50 feet of waterbodies and wetlands at specific locations as listed in appendix D.	Acceptable	4.3.2.2
Procedures at Section V.B.3.c	Mountain Valley	Distance between a parallel waterbody and the pipeline	Proposal to site the pipeline closer than 15 feet when paralleling a waterbody at five locations as listed on table 4.3.2-12 (see section 4.3.2.2).	Acceptable	4.3.2.2
Procedures at Section II.A.2 and VI.A.3	Mountain Valley	Construction right-of-way width in wetlands	Proposal to use a construction right-of-way width greater than 75 feet in wetlands at specific locations as listed in appendix G.	Not Acceptable – Mountain Valley did not provide site-specific justifications for these areas.	4.3.3.3

The FERC Plan and Procedures are available at http://www.ferc.gov/industries/gas/enviro/guidelines.asp.

DEIS TABLE 2.4-2
(Updated for EEP October 2016 Proposed Route)

Construction and Restoration Plans for the Mountain Valley Project and the Equitrans Expansion Project

General Plan Name	Mountain Valley Project	Equitrans Expansion Project
Upland Erosion Control, Revegetation, and Maintenance Plan	Modifications from the FERC Plan as discussed in table 2.4-1.	~~Modifications from the FERC Plan as discussed in table 2.4-1.~~No modifications from the FERC Plan are proposed. Proposal to use PADEP's slope breaker spacing, which is more stringent than FERC's spacing.
Wetland and Waterbody Construction and Mitigation Procedures	Modifications from the FERC Procedures as discussed in table 2.4-1.	Modifications from the FERC Procedures as discussed in table 2.4-1.
Erosion and Sediment Control Plan	*Erosion and Sediment Control Plans* a/	*Erosion and Sediment Control Plans* i/ ~~*for the Redhook Compressor Station*~~
HDD Construction and Contingency Plan	N/A	*HDD Contingency Plan* b/
Karst Plans	*Karst Hazards Assessment Report* (Attachment DR2 Resource Report [RR]2-12) c/ *Karst Mitigation Plan* (RR 6, Appendix 6-D) d/	N/A
Karst-specific Erosion and Sediment Control Plan	*Karst-specific Erosion and Sediment Control Plan* a/	N/A
Landslide Mitigation Plan	*Landslide Mitigation Plan* a/	N/A
Water Testing	*Water Resources Identification and Testing Plan* (Attachment DR3 Water Resources-1) h/	N/A
Residential Construction Plan	*Site-Specific Residential Construction and Mitigation Plans* (Attachment DR2 RR8-7b) c/	N/A
Organic Farm Plan	*Organic Farm Protection Plan* (OFPP) (Attachment DR2 RR8-4) c/	N/A
Spill Plan	*SPCCP* a/	*SPCCP* b/,i/ *Preparedness, Prevention, and Contingency and Emergency Action Plans* i/
Blasting Plan	*Draft Blasting Plan* (Attachment DR2 RR6-13) c/	N/A
Wetland Compensatory Mitigation Plan	*Compensatory Wetland Mitigation Plan* a/	N/A
Migratory Bird Habitat Conservation Plan	*Migratory Bird Habitat Conservation Plan* (Attachment DR2 General-5a) c/	*Migratory Bird Conservation Plan* (Attachment 3-21) e/
Invasive Species Management Plan	*Exotic and Invasive Species Control Plan* h/	N/A
Residential Access/Traffic Mitigation Plan	*Traffic and Transportation Management Plan* (RR5, appendix 5-B) d/	*Traffic and Transportation Management Plan* (Attachment 5-13) e/

DEIS TABLE 2.4-2
(Updated for EEP October 2016 Proposed Route)

Construction and Restoration Plans for the Mountain Valley Project and the Equitrans Expansion Project

General Plan Name	Mountain Valley Project	Equitrans Expansion Project
Fire Suppression Plan	*Fire Prevention and Suppression Plan* (Attachment RR1-4) f/	N/A
Mine Subsidence Plan	*Mining Area Construction Plan* (Attachment DR2 General-5b) c/	*Mine Subsidence Plan* (Attachment 6-15) e/
Cultural Resources Avoidance, Testing, and Treatment Plans	Avoidance Plans filed July 18, 2016. Individual Site Testing Plans for West Virginia included in county survey reports, variously filed. Testing Plans for Virginia archaeological sites filed July 22, 2016. Treatment Plans pending	~~N/A~~Avoidance Plan for Site 36WH1706 submitted to PA SHPO September 23, 2016 and will be filed with FERC on October 31, 2016.
Unanticipated Cultural Resources Discovery Plans	*Plan for Unanticipated Historic Properties and Human Remains* (attachment 4-B to draft Resource Report 4) filed with the FERC on April 24, 2015.	*Plan for Unanticipated Historic Properties and Human Remains, Pennsylvania and West Virginia* (Appendix 4-B) g/. A Revised Unanticipated Discoveries Plan was submitted on September 23, 2016 to the PA SHPO and will be filed with FERC on October 31, 2016.
Unanticipated Discovery of Paleontological Resources Plan	*Plan for Unanticipated Discovery of Paleontological Resources* (Attachment 1-m) f/	N/A
Unanticipated Discovery of Contamination Plan	*SPCCP and Unanticipated Discovery of Contamination Plan for Construction Activities in West Virginia and Virginia* a/	Preparedness, Prevention, and Contingency and Emergency Action Plan (Attachment General-3) i/~~N/A~~
Dust Control Plan/Procedures	*Fugitive Dust Control Plan* (Attachment 1-g) f/	*Dust Suppression Plan* (RR1, appendix 1-K) g/
Winter Construction Plans	*Winter Construction Plan* (Attachment RR1-30) f/	*Winterization Plan* (RR1, appendix 1-J) g/
Plan of Development for Crossing of FS and COE managed lands	*Plan of Development* j/	N/A

a/ Mountain Valley's supplemental filing filed February 26, 2016 (accession number 20160226-5404).
b/ Equitrans' supplemental filing filed April 20, 2016 (accession number 20160421-5019).
c/ Mountain Valley's supplemental filing filed April 21, 2016 (accession number 20160422-5012).
d/ Mountain Valley's Application filed October 23, 2015 (accession number 20151023-5035).
e/ Equitrans' supplemental filing filed February 5, 2016 (accession number 20160205-5192).
f/ Mountain Valley's supplemental filing filed January 15, 2016 (accession number 20160119-5076).
g/ Equitrans' Application filed October 27, 2015 (accession number 20151027-5125).
h/ Mountain Valley's supplemental filing filed July 18, 2016 (accession number 20160718-5161).
i/ Equitrans' supplemental filing filed July 14, ~~2015~~ 2016 (accession number 20160714-5016).
j/ Mountain Valley's supplemental filing filed June 24, 2015 (accession number 20160624-5244).
N/A = Not Applicable

DEIS TABLE 4.1.1-2
(Updated for EEP October 2016 Proposed Route)

Elevations at Equitrans Expansion Project Facilities

Facility	Minimum (feet amsl)	Maximum (feet amsl)
H-158/M-80	920	1,051
H-305	1,064	1,146
H-316	876	~~1,164~~1,135
H-318	728	1,238
H-319	893	896
Pratt Compressor Station	900	945
Redhook Compressor Station	~~1,015~~1,035	~~1,095~~1,077
Webster Interconnect	895	~~911~~933
H-306 Tap Site	893	894
Mobley Tap	932	936
Applegate L/R Site	1,108	1,112
H-148 Tap Site/Hartson L/R Site	1,056	~~1,090~~1,078
H-302 Tap L/R Site	1,121	1,144

Source: USGS, 2016a
amsl = above mean sea level

DEIS TABLE 4.1.1-4
(Updated for EEP October 2016 Proposed Route)

Bedrock Geology Crossed by the Equitrans Expansion Project

Line	Start MP	End MP	Age	Map Units	Geologic Formation/Unit	Description/Rock Type
H-158/ M-80	0	0.2	Permian and Pennsylvanian	PPw, Pm	Waynesburg Formation and Monogahela Group	Sandstone; Shale; Limestone; Coal
H-305	0	0.1	Permian and Pennsylvanian	PPw	Waynesburg Formation	Sandstone; Shale; Limestone; Coal
H-316	0	3.0	Permian and Pennsylvanian	PPw, Pm, Pw	Waynesburg Formation, Monongahela Group, Washington Formation	Sandstone; Shale; Limestone; Coal
H-318	0	4.3	Permian and Pennsylvanian	Pm, PPw, Pcc, ~~Pw~~	Monongahela Group, Waynesburg Formation, Casselman Formation,	Limestone; Shale; Sandstone; Coal; Siltstone
H-319	0	<0.1	Permian and Pennsylvanian	Pd	Greene, Washington, Waynesburg	Sandstone; Siltstone; Shale; Limestone; Coal

Sources: Dicken et al., 2005a; 2005b

DEIS TABLE 4.1.1-13
(Updated for EEP October 2016 Proposed Route)

Landslides Identified within 0.25 Mile of the Equitrans Expansion Project

Facility	Nearest Project Component	Distance (feet)
H-316	H-316 ROW	909
H-316	H-316 ROW	478
H-316	H-316 ROW	467
H-316	H-316 ROW	426
H-316	H-316 Pipeline	0
H-316	H-316 ROW	1,145
H-316	H-316 ROW	972
H-316	H-316-ATWS 07	~~0~~22
H-316	H-316-ATWS 07	0
H-318	H-318 ROW	896
H-318	H-318 Access Road 01	0

Source: USGS, 1979; USGS 1978.
ATWS – additional temporary workspace; ROW – right-of-way

DEIS TABLE 4.2.1-2
(Updated for EEP October 2016 Proposed Route)

Soil Limitations along the Equitrans Expansion Project in Acres a/

Facility b/	County, State	Water Erosion Potential c/	Wind Erosion Potential d/	Prime Farmland e/	Farmland of Statewide Importance e/	Hydric Soils e/	Compaction Potential f/	Stony / Rocky Soils e/	Revegetation Potential g/	Poor Drainage Potential e/
H-305 Pipeline	Greene, PA	~~2.6~~1.3	0.0	0.0	1.3	0.0	~~2.6~~2.7	0.0	2.6	0.0
H-316 Pipeline	Greene, PA	~~28.3~~31.9	0.0	~~8.5~~8.4	~~9.2~~11.2	0.6	~~21.5~~51.6	0.0	~~54.0~~27.2	0.6
H-318 Pipeline	Allegheny, Washington, PA	~~69.7~~71.6	0.0	~~13.1~~12.9	~~32.5~~27.1	0.5	~~53.7~~76.6	~~13.2~~4.2	~~57.8~~57.1	0.5
H-319 Pipeline	Wetzel, WV	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0
H-158/M-80 Pipelines	Greene, PA	~~7.4~~4.9	0.0	~~1.7~~1.8	~~2.5~~1.9	0.0	~~4.16~~.9	0.0	~~8.26~~.7	0.0
Pratt Compressor Station	Greene, PA	~~1.6~~1.4	0.0	6.0	0.1	0.0	~~6.1~~1.5	0.0	~~1.7~~6.0	0.0
Redhook Compressor Station	Greene, PA	~~16.3~~15.9	0.0	~~5.5~~8.3	~~9.1~~6.9	0.0	~~11.6~~10.4	0.0	~~9.2~~12.3	0.0
Webster Interconnect	Wetzel, WV	0.0	0.0	0.0	~~2.5~~2.1	0.0	0.0	~~2.5~~2.1	0.0	0.0
Mobley Tap Site (H-306)	Wetzel, WV	0.0	0.0	0.0	~~0.5~~1.6	0.0	0.0	~~0.5~~1.6	0.0	0.0
Applegate L/R Site	Allegheny, PA	0.4	0.0	0.4	0.0	0.0	0.4	0.0	~~0.0~~0.4	0.0
Hartson L/R Site (H-148)	Washington, PA	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
H-302 Tap L/R Site	Greene, PA	0.0	0.0	0.0	0.0	0.0	~~0.0~~0.1	0.0	0.0	0.0
Total Acres		**~~126.4~~127.5**	**0.0**	**~~35.2~~37.8**	**~~58.5~~53.0**	**~~1.2~~1.1**	**~~100.1~~50.3**	**~~17.0~~8.7**	**~~133.5~~112.4**	**~~1.2~~1.1**

Source: USDA, 2015a; 2015b

Note: The values in each row do not necessarily add up to the total acreage for each facility, because of minor rounding

a/ The soil limitation impacts presented are the total impacts due to construction and operation of the EEP.

b/ The list of facilities includes the associated access roads, additional temporary workspaces, yards, and staging areas in the acreage calculations for each facility.

c/ Based on K factor for the whole soil (Kw), the representative slope, and the non-irrigated land capability rating; a Kw rating of "moderate" was elevated to "high" when associated with steep slopes and when the Non-irrigated Capability Subclass included an "e," which indicates that erosion is a potential hazard for the soil type.

d/ Based on the Wind Erodibility Group scale; soils with a rating of 1 to 4 were ranked with a high potential for erosion due to wind.

e/ As designated by the NRCS.

f/ Based on soils 1) that have a surface texture of sandy loam or coarser, 2) are somewhat excessively drained to excessively drained, 3) have slopes greater than 15 percent, or 4) have severe limitations (i.e., a Non-irrigated Capability Class of 3 or higher).

g/ Based on 1) soils with poor drainage (somewhat poorly drained to poorly drained), 2) a high clay content (greater than 20 percent), or 3) a surface soil texture characterized as sandy clay loam or dominated by finer particles.

DEIS TABLE 4.3.2-2
(Updated for EEP October 2016 Proposed Route)

Number of Waterbody Crossings for the Mountain Valley Project and the Equitrans Expansion Project a/

	FERC Size Classification				Flow Type			
Project/State	**Minor**	**Intermediate**	**Major**	**Total**	**Perennial**	**Intermittent**	**Ephemeral**	**Total**
Mountain Valley Project								
West Virginia	489	120	4	613	208	199	206	613
Virginia	292	81	0	373	153	111	109	373
Subtotal	*781*	*201*	*4*	*986*	*361*	*310*	*315*	*986*
Equitrans Expansion Project								
West Virginia	2	2	0	4	3	1	0	4
Pennsylvania	23	~~67~~	1	30~~1~~	11~~3~~	8	11~~0~~	30~~1~~
Subtotal	*25*	*~~89~~*	*1*	*3~~45~~*	*1~~46~~*	*9*	*1~~10~~*	*3~~45~~*
Total	**806**	**210**	**5**	**1,021**	**377**	**319**	**325**	**1,021**

~~a/ Some waterbodies would be crossed at more than one location. This table accounts for each crossing of all affected waterbodies.~~

DEIS TABLE 4.3.2-9
(Updated for EEP October 2016 Proposed Route)

FEMA 100-year Floodplains Crossed by the Mountain Valley Project and Equitrans Expansion Project

Project/State/County		Floodplain Waterbody	Flood Zone	MP
Mountain Valley Project				
West Virginia				
	Harrison	Little Tenmile Creek	AE	15.5
	Doddridge	Laurel Run	AE	35.0
	Webster	Camp Creek	A	93.1
	Franklin	Blackwater River	AE	262.4
Equitrans Expansion Project				
Pennsylvania				
	Allegheny	Perry Mill Run	AE	0
		Kelly Run	A	1.7
		Bunola Run	A	2.7
		Bunola Run	AE	2.8
		Monongahela River	AE	3.0

Source : FEMA, 2015

Flood Zone A = Areas subject to inundation by the 1-percent-annual-chance flood event generally determined using approximate methodologies.

Flood Zone AE = Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods.

DEIS TABLE 4.3.3-1
(Updated for EEP October 2016 Proposed Route)

Wetland Impacts Associated with the Mountain Valley Project and the Equitrans Expansion Project

Type/State a/	Construction (acres) b/	Operation (acres) b/
PEM Wetlands		
West Virginia	~~21.41~~0.15	~~8.38~~0.04
Virginia	~~4.17~~	~~2.18~~
Pennsylvania	~~1.28~~0.98	~~0.62~~0.72
Total PEM Wetland Impacts	~~*26.86*~~	~~*11.18*~~
PSS Wetlands		
West Virginia	~~0.63~~0.0	~~0.28~~0.0
Virginia	~~1.49~~	~~0.74~~
Pennsylvania	0.0	0.0
Total PSS Wetland Impacts	~~*2.12*~~	~~*1.02*~~
PFO Wetlands		
West Virginia	~~8.04~~0.0	~~1.85~~0.00
Virginia	~~2.17~~	~~1.04~~
Pennsylvania	~~0.07~~0.03	~~0.07~~0.03
Total PFO Wetland Impacts	~~*10.28*~~	~~*2.96*~~
Total Wetland Impacts	~~*39.26*~~	~~*15.16*~~

a/ PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub; PFO = Palustrine Forested (Cowardin et al., 1979).
b/ Construction impacts include those within the operational footprint.

DEIS TABLE 4.3.3-3
(Updated for EEP October 2016 Proposed Route)

Equitrans Expansion Project Wetland Impacts

Facility	Type a/	Crossing Length (feet)	Total Wetland Area Affected During Construction (acres) b/	Total Wetland Area Affected During Operation (acres)
Pennsylvania				
Pipeline Facilities	PEM	500.1~~2~~	~~1.26~~0.86	0.6~~32~~
	PSS	N/A	0.00	0.00
	PFO	~~17.8~~0	0.0~~37~~	0.0~~37~~
Pipeline Facilities Subtotal		*51~~08.10~~*	*~~1.33~~0.88*	*0.~~69~~66*
Aboveground Facilities	PEM	N/A	0.00~~2~~	0.0~~80~~
	PSS	N/A	0.00	0.00
	PFO	N/A	0.00	0.00
Aboveground Facilities Subtotal		*N/A*	*0.00~~2~~*	*0.0~~80~~*
Access Roads	PEM	N/A	<0.01	<0.01~~0.00~~
	PSS	N/A	0.00	0.00
	PFO	N/A	0.00	0.00
Access Roads Subtotal		*N/A*	*<0.01*	<0.01*~~0.00~~*
Yards	PEM	N/A	<0.01	N/A~~0.00~~
	PSS	N/A	0.00	N/A~~0.00~~
	PFO	N/A	0.00	N/A~~0.00~~
Yards Subtotal		*N/A*	*<0.01*	*N/A~~0.00~~*
Pennsylvania Total		*51~~08.10~~*	*~~1.35~~0.88*	*0.~~69~~75*
West Virginia				
Pipeline Facilities	PEM	39.1~~05~~	0.0~~68~~	0.0~~4~~
	PSS	N/A	0.00	0.00
	PFO	N/A	0.00	0.00
Pipeline Facilities Subtotal		*39.~~105~~*	*0.0~~68~~*	*0.0~~4~~*
Aboveground Facilities	PEM	N/A	0.00	0.00
	PSS	N/A	0.00	0.00
	PFO	N/A	0.00	0.00
Aboveground Facilities Subtotal		*N/A*	*0.00*	*0.00*
Access Roads	PEM	N/A	0.00	0.00
	PSS	N/A	0.00	0.00
	PFO	N/A	0.00	0.00
Access Roads Subtotal		*N/A*	*0.00*	*0.00*
Yards	PEM	N/A	0.09	N/A~~0.00~~
	PSS	N/A	0.00	N/A~~0.00~~
	PFO	N/A	0.00	N/A~~0.00~~
Yards Subtotal		*N/A*	*0.09*	*N/A~~0.00~~*

DEIS TABLE 4.3.3-3
(Updated for EEP October 2016 Proposed Route)

Equitrans Expansion Project Wetland Impacts

Facility	Type a/	Crossing Length (feet)	Total Wetland Area Affected During Construction (acres) b/	Total Wetland Area Affected During Operation (acres)
West Virginia Subtotal		*39.1~~05~~*	*0.15~~7~~*	*0.0~~4~~*
EEP Total		**~~557~~539.2~~06~~**	**1.0352**	**0.~~73~~78**

a/ PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub; PFO = Palustrine Forested (Cowardin et al., 1979).
b/ Construction impacts include those within the operational footprint, as well as those within temporary workspaces.

DEIS TABLE 4.4.1-1
(Updated for EEP October 2016 Proposed Route)

Upland Vegetation Cover Types Crossed by the Mountain Valley Project and the Equitrans Expansion Project

Cover Type	Common Vegetation Species	Miles Crossed	
		MVP	EEP
Deciduous Forest	northern red oak (*Quercus rubra*), chestnut oak (*Q. montana*), white oak (*Q. alba*), black oak (*Q. velutina*), scarlet oak (*Q. coccinea*), southern red oak (*Q. falcata*), post oak (*Q. stellata*), red maple (*Acer rubrum*), sugar maple (*Acer saccharum*), yellow buckeye (*Aesculus flava*), American beech (*Fagus grandifolia*), yellow-poplar (*Liriodendron tulipifera*), mockernut hickory (*Carya tomentosa*), shagbark hickory (*C. ovata*), white ash (*Fraxinus americana*), basswood (*Tilia ~~a~~Americana*), buckeye (*Aesculus glabra*), birches (*Betula spp.*), American elm (*Ulmus ~~a~~Americana),* eastern hop-hornbeam (*Ostrya virginiana*), spruce (*Picea* spp.), hemlock (*Tsuga canadensis*), shortleaf pine (*Pinus echinata*), and loblolly pine (*P. taeda*).	234.0	3.8
Coniferous Forest	mountain pine (*Pinus pungens*), pitch pine (*Pinus rigida*), shortleaf pine, Virginia pine (*Pinus virginiana*), red pine (*Pinus resinosa)*, and white pine (*Pinus strobus).*	8.0	0.0
Mixed Forest	a mix of the above listed deciduous and coniferous tree species.	3.0	0.0
Scrub-Shrub Land	mountain laurel (*Kalmia latifolia*), fetterbush (*Pieris floribunda*), rhododendron (*Rhododendron* spp.), blueberry~~ies~~ (*Vaccinium* spp.), huckleberry~~ies~~ (*Gaylussacia* spp.), autumn olive (*Elaeagnus umbellata),* hornbeam (*Carpinus caroliniana*), eastern hop-hornbeam, witch hazel (*Hamamelis virginiana*), balsam fir (*Abies balsamea)*, dogwood~~s~~ (*Cornus spp.*), and spicebush (*Lindera benzoin*).	0.3	0.0
Herbaceous Grasslands	Includes natural to semi-natural areas of open grassland. orchard grass (*Dactylis glomerata)*, poverty grass (*Danthonia spicata*), common hairgrass (*Deschampsia flexuosa*), red fescue (*Festuca rubra*), common velvet grass (*Holcus lanatus*), Japanese stilt-grass (*Microstegium vimineum*), Kentucky blue grass (*Poa pratensis*), meadow false rye grass (*Schedonorus pratensis*), little bluestem (*Schizachyrium scoparium*), white clover (*Trifolium repens)*, wingstem (*Verbesina alternifolia*), giant ironweed (*Veronia gigantea)*, and reed canary grass (*Phalaris arundinacea*).	3.6	0.2
Palustrine Forested Wetland	black willow (*Salix nigra*), black elderberry (Sambucus canadensis), red maple, green ash (*Fraxinus pennsylvanica*), ironwood (*Carpinus carolinia*), yellow birch (*Betula alleghaniensis*), and American elm	0.3	<0.1
Palustrine Scrub Shrub Wetland	black willow, black elderberry, green ash, spicebush, silky dogwood (*Cornus amomum*), sedge (Cyperaceae spp.)~~s~~, false nettle (*Boehmeria cylindrical*), sensitive fern (*Onoclea sensibilis*), soft rush (*Juncus effusus*), Japanese stiltgrass, jewelweed (*Impatiens capensis*), and golden ragwort (*Packera aurea*).	<0.1	<0.1
Palustrine Emergent Wetland	jewelweed, Japanese stiltgrass, soft rush, dark green bulrush (*Scirpus atrovirens*), false nettle, sensitive fern, wingstem ~~(Verbesina alternifolia)~~, woolgrass (*Scirpus cyperinus*), reed canary grass, and various rushes (*Juncus* spp.) and sedges.	1.1	0.1

DEIS TABLE 4.4.1-4
(Updated for EEP October 2016 Proposed Route)

Highly Invasive Plant Species Identified Along the Mountain Valley Project Route and the Equitrans Expansion Project ~~Area~~Routes

Scientific Name	Common Name	Location of Observation a/
Mountain Valley Project Route		
Acer platanoides	Norway maple	unknown
Ailanthus altissima	tree-of-heaven	Giles, Montgomery, Roanoke, Franklin
Alliaria petiolata	garlic mustard	unknown
Berberis thunbergii	Japanese barberry	Roanoke
Bromus tectorum	cheatgrass	unknown
Celastrus orbiculata	~~Asian~~ Oriental bittersweet	Giles, Montgomery
Centaurea stoebe ssp. micranthos	spotted knapweed	Montgomery
Cirsium arvense	Canada thistle	Giles, Montgomery, Roanoke, Franklin, Pittsylvania
Coronilla varia	purple crown-vetch	Montgomery, Roanoke, Franklin
Elaeagnus umbellate var. parvifolia	autumn olive	Giles, Montgomery, Roanoke, Franklin
Iris pseudocorus	yellow flag	unknown
Lespedeza cuneate	Chinese bushclover	unknown
Ligustrum sinense	Chinese privet	unknown
Ligustrum vulgare	European privet	unknown
Lonicera japonica	Japanese honeysuckle	Webster, Giles, Montgomery, Roanoke, Franklin, Pittsylvania
Microstegium vimineum	Japanese stiltgrass	Giles, Montgomery, Franklin
Persicaria perfoliata	mile-a-minute weed	unknown
Phalaris arundinacea	reed canarygrass	Giles
Phragmites australis	common reed	unknown
Polygonum cuspidatum	Japanese knotweed	Roanoke, Franklin
Polygonum perfoliatum	Asiatic tearthumb	unknown
Pueraria montana var. lobate	kudzu	Roanoke, Franklin
Rosa multiflora	multiflora rose	Webster, Greenbrier, Summers, Monroe, Giles, Montgomery, Roanoke, Franklin
Schedonorus phoenix	tall fescue	unknown
Schedonorus pratensis	meadow fescue	unknown
Sorghum halepense	Johnson grass	Montgomery
Equitrans Expansion Project Area		
Acer platanoides	Norway maple	unknown
Ailanthus altissima	tree-of-heaven	unknown – deciduous forest and developed open space (Pennsylvania)
Alliaria petiolata	garlic mustard	unknown
Berberis thunbergii	Japanese barberry	unknown
Celastrus orbiculatus	Oriental bittersweet	unknown – deciduous forest (Pennsylvania)
Centaurea stoebe	spotted knapweed	unknown

DEIS TABLE 4.4.1-4
(Updated for EEP October 2016 Proposed Route)

Highly Invasive Plant Species Identified Along the Mountain Valley Project Route and the Equitrans Expansion Project ~~Area~~Routes

Cirsium arvense	Canada thistle	unknown
Cirsium vulgare	bull thistle	unknown
Conium maculatum	poison hemlock	unknown
Datura stramonium	jimsonweed	unknown
Elaeagnus umbellata	autumn olive	unknown – deciduous forest, emergent herbaceous wetland, and evergreen forest (Pennsylvania)
Euonymus alatus	winged burning bush	unknown
Frangula alnus	glossy buckthorn	unknown
Hemerocallis fulva b/	orange daylily	unknown
Holcus lanatus b/	common velvetgrass	
Lespedeza cuneata	sericea lespedeza	unknown
Ligustrum vulgare	European (common) privet	unknown – deciduous forest, developed medium-density, developed open space, and evergreen forest (Pennsylvania)
Lonicera japonica	Japanese honeysuckle	unknown – deciduous forest and developed open space (Pennsylvania); remnant forest (West Virginia)
Lonicera maackii	Amur honeysuckle	unknown – developed open space (Pennsylvania); remnant forest (West Virginia)
Lonicera tatarica	Tatarian honeysuckle	unknown – deciduous forest, developed medium-density, developed open space, and emergent herbaceous wetland (Pennsylvania); remnant forest (West Virginia)
Lysimachia nummularia	creeping Jenny	unknown
Microstegium vimineum	Japanese stiltgrass	unknown
Miscanthus sinensis b/	Chinese silvergrass	unknown
Ornithogalum umbellatum	star of Bethlehem	unknown
Pastinaca sativa	wild parsnip	unknown
Phalaris arundinacea	reed canarygrass	unknown – emergent herbaceous wetland (Pennsylvania)
Polygonum cuspidatum	Japanese knotweed	unknown
Pyrus calleryana	callery pear	unknown
Ranunculus ficaria	fig buttercup	unknown
Rosa multiflora	multiflora rose	unknown – deciduous forest, developed medium-density, and developed open space (Pennsylvania); remnant forest (West Virginia)
Securigera varia	crown vetch	unknown
Typha angustifolia	narrowleaf cattail	unknown
Vinca minor b/	common periwinkle	unknown

DEIS TABLE 4.4.1-4
(Updated for EEP October 2016 Proposed Route)

Highly Invasive Plant Species Identified Along the Mountain Valley Project Route and the Equitrans Expansion Project ~~Area~~Routes

a/ General locations provided for areas where invasive species were identified during field surveys, if known; location information does not preclude species from occurring in other Project locations.

b/ Pennsylvania Department of Conservation and Natural Resources Watch List species, which identifies species that have the potential to be aggressive in certain areas or in surrounding states. These species could pose a threat to natural ecosystems if they become invasive; however, they may have value in certain situations where they are not considered invasive, but are not preferred in natural settings (Pennsylvania Department of Conservation and Natural Resources no date).~~.~~

Unknown – indicates that species was noted, but no specific location was provided.

DEIS TABLE 4.4.2-1
(Updated for EEP October 2016 Proposed Route)

Vegetation Communities Affected by Construction and Operation of the Mountain Valley Project and the Equitrans Expansion Project

	Upland Forest		Upland Scrub-Shrub		Upland Herbaceous		Wetland (forested, scrub- shrub, emergent) b/		Total	
Project/ State/ Component	**Const (acres)**	**Oper (acres)**	**Const (acres)**	**Oper (acres)**	**Const (acres)**	**Oper (acres)**	**Const (acres)**	**Oper (acres)**	**Const (acres)**	**Oper (acres)**
MVP										
West Virginia										
Pipeline right-of-way	2,595.1	1,054.7	0.6	0.3	28.7	11.6	0.5	0.3	2,624.9	1,066.9
ATWS	309.5	0.0	0.2	0.0	5.0	0.0	0.4	0.0	315.1	0.0
Aboveground Facilities	79.9	17.6	0.0	0.0	0.0	0.0	0.0	0.0	79.8	17.6
Access Roads	495.3	128.4	1.4	0.5	13.6	4.5	0.5	0.3	510.9	133.6
Yards	20.7	0.0	0.0	0.0	1.1	0.0	0.0	0.0	21.7	0.0
Cathodic Protection	5.0	2.7	0.0	0.0	3.9	2.1	0.0	0.0	8.9	4.8
West Virginia Subtotal	***3,505.6***	***1,203.4***	***2.3***	***0.7***	***52.3***	***18.2***	***1.3***	***0.5***	***3,561.4***	***1,222.9***
Virginia										
Pipeline right-of-way	1,050.4	431.8	5.4	1.6	24.4	10.4	0.3	0.0	1,080.6	443.7
ATWS	63.2	0.0	0.3	0.0	3.7	0.0	0.0	0.0	67.1	0.0
Aboveground Facilities	5.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.4
Access Roads	152.5	51.4	0.1	0.1	2.1	0.4	0.0	0.0	154.6	51.8
Yards	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0
Cathodic Protection	0.3	0.2	0.0	0.0	1.5	0.8	0.0	0.0	1.8	1.0
Virginia Subtotal	***1,274.6***	***485.8***	***5.9***	***1.6***	***31.7***	***11.6***	***0.3***	***0.0***	***1,312.4***	***499.0***
MVP Subtotal	**4,780.2**	**1,689.2**	**8.1**	**2.3**	**83.9**	**29.9**	**1.6**	**0.6**	**4,874.1**	**1,721.8**
EEP										
West Virginia										
Pipeline right-of-way	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.~~43~~	0.2
ATWS	1.1~~0.7~~	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1~~0.5~~	0.0
Aboveground Facilities	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
Access Roads	0.1	0.0 ~~b/~~	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Yards	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0

DEIS TABLE 4.4.2-1
(Updated for EEP October 2016 Proposed Route)

Vegetation Communities Affected by Construction and Operation of the Mountain Valley Project and the Equitrans Expansion Project

Project/ State/ Component	Upland Forest		Upland Scrub-Shrub		Upland Herbaceous		Wetland (forested, scrub- shrub, emergent) b/		Total	
	Const (acres)	Oper (acres)	Const (acres)	Oper (acres)	Const (acres)	Oper (acres)	Const (acres)	Oper (acres)	Const (acres)	Oper (acres)
Cathodic Protection)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West Virginia Subtotal	***1.83***	***0.45***	***0.0***	***0.0***	***0.0***	***0.0***	***0.12***	***0.0***	***1.95***	***0.5***
Pennsylvania										
Pipeline right-of-way	41.67	22.24	0.0	0.0	2.3	1.1	0.9	0.7	44.78	24.02
ATWS	20.61.1	0.0	0.0	0.0	0.0	0.0	0.05	0.0	26.11.6	0.0
Aboveground Facilities	4.98	3.24.8	0.0	0.0	0.20	0.20	0.10	0.10	5.24.8	3.54.8
Access Roads	5.13.7	3.50.7	0.0	0.0	0.1	0.0	0.0	0.0	5.23.8	3.50.8
Yards	1.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.56	0.0
Cathodic Protection	0.0	0.0	0.0	0.0	0.09	0.09	0.0	0.0	0.08	0.08
Pennsylvania Subtotal	***732.7***	***287.9***	***0.0***	***0.0***	***2.73.3***	***1.42.0***	***1.04***	***0.7***	***82.877.3***	***31.00.6***
EEP Subtotal	**75.54.0**	**29.38.4**	**0.0**	**0.0**	**2.73.3**	**1.42.0**	**1.15**	**0.87**	**84.778.6**	**31.51**
West Virginia Impacts	3,506.9	1,203.9	2.3	0.7	52.3	18.2	1.5	0.6	3,562.7	1223.4
Virginia Impacts	1,276.8	485.5	5.9	1.6	30.2	10.8	0.3	0.0	1,320.6	501.7
Pennsylvania Impacts	72.7	27.9	0.0	0.0	3.3	2.0	1.4	0.7	77.3	30.6
MVP-EEP Total	**4,856.4**	**1,717.3**	**8.2**	**2.3**	**85.8**	**31.0**	**3.2**	**1.3**	**4,960.6**	**1,755.7**

a/ Agriculture includes lands used for the cultivation of crops. Common crops in the area include corn, hay, soybeans, tobacco, and wheat.
b/ Wetland numbers in this table derived from a database. Wetland impact estimates based on field delineations can be found in section 4.3.3
c/ Other lands include prior disturbed land utilized for commercial business, industry, or residential purposes.

DEIS TABLE 4.6.1-1
(Updated for EEP October 2016 Proposed Route)

Typical Fish and Aquatic Species within the Mountain Valley Project and the Equitrans Expansion Project Areas a/

MOUNTAIN VALLEY PROJECT

Fish

West Virginia:

appalachia darter, banded darter, bigeye chub, bigmouth, black redhorse, blackside darter, bluebreast darter, bluegill, bluehead chub, bluntnose minnow, brindled madtom, brook silverside, brook trout, brown trout, central stoneroller, channel darter, creek chub, fantail darter, flathead catfish, gizzard shad, golden redhorse, golden shiner, green sunfish, greenside darter, johnny darter, kanawha sculpin, largemouth bass, least brook lamprey, logperch, longear sunfish, longhead darter, longnose dace, mimic shiner, mottled sculpin, muskellunge, northern hogsucker, rainbow darter, rainbow trout, redbreast sunfish, redfin shiner, river chub, roanoke darter, rock bass, rosefin shiner, rosyface shiner, rosyside dace, sand shiner, sharpnose darter, silver redhorse, silver shiner, silverjaw minnow, smallmouth bass, spotfin shiner, spottail shiner, spotted bass, steelcolor shiner, streamline chub, striped shiner, telescope shiner, tennessee darter, tippecanoe darter, tonguetied minnow, variegate darter, western blacknose dace, western mosquitofish, white shiner, white sucker, whitetail shiner, yellow bullhead

Virginia:

alewife, banded darter, banded killifish, bigeye chub, black crappie, black redhorse, blacknose dace, blackside darter, blue catfish, bluebreast darter, bluegill, bluntnose minnow, bowfin, brook silverside, brook trout, brown trout, candy darter, central stoneroller, chain pickerel, channel darter, common shiner, creek chub, cutlips minnow, eastern silvery minnow, fantail darter, fathead minnow, flathead catfish, gizzard shad, golden redhorse, golden shiner, grass carp, green sunfish, greenside darter, hybrid tiger musky, johnny darter, largemouth bass, least brook lamprey, logperch, longear sunfish, longnose dace, margined madtom, mimic shiner, mottled sculpin, muskellunge, northern hogsucker, northern studfish, orangefin madtom, paddlefish, rainbow darter, rainbow trout, redbreast sunfish, redear sunfish, river chub, roanoke logperch, rock bass, rosyface shiner, rosyside dace, sand shiner, sauger, sharpnose darter, shorthead redhorse, silver shiner, silverjaw minnow, smallmouth bass, spotfin shiner, spottail shiner, spotted bass, steelcolor shiner, streamline chub, striped shiner, suckermouth minnow, telescope shiner, threadfin shad, tippecanoe darter, tonguetied minnow, trout-perch, variegate darter, warmouth, white catfish, white perch, white shiner, white sucker, whitetail shiner, yellow bullhead

Freshwater Mussels

West Virginia:

clubshell, elktoe, fragile papershell, green floater, James spinymussel, long-solid mussel, monkeyface, northern riffleshell, pistolgrip, purple wartyback, rainbow mussel, rayed bean, round pigtoe, salamander mussel, snuffbox, wavy-rayed lampmussel, yellow lampmussel

Virginia:

Atlantic pigtoe, dwarf wedgemussel, elktoe, fragile papershell, green floater, James spinymussel, long-solid mussel, pistolgrip, purple wartyback, rainbow mussel, round pigtoe, snuffbox, wavy-rayed lampmussel, yellow lampmussel

EQUITRANS EXPANSION PROJECT a/

Fish b/

alewife, american brook lamprey, american eel, banded darter, banded killifish, bigmouth chub, black crappie, blacknose shiner, bluegill, brook trout, brown bullhead, brown trout, channel catfish, eastern mosquitofish, emerald shiner, flathead catfish, freshwater drum, gizzard shad, green sunfish, kanawha minnow, largemouth bass, logperch, mottled sculpin, northern hogsucker, pumpkinseed, quillback, rainbow darter, sand shiner, smallmouth bass, spotted bass, striped bass, threadfin shad, trout perch, white crappie, white perch, yellow bullhead, yellow perch

Freshwater Mussels b/

Pennsylvania:

elktoe, fatmucket, fluted shell c/, giant floater c/, kidney shell, mucket, pigtoe, plain pocketbook, pocketbook, squawfoot, three-ridge mussel, Wabash, wavy-rayed lampmussel, fragile papershell c/

a/ Typical fish and aquatic species; list is not intended to be comprehensive.

b/ Typical fish and mussel species listed for the EEP are those of the Ohio River watershed and include both the Pennsylvania and West Virginia portions of the project.

DEIS TABLE 4.6.1-1
(Updated for EEP October 2016 Proposed Route)

Typical Fish and Aquatic Species within the Mountain Valley Project and the Equitrans Expansion Project Areas a/

c/ Confirmed; collected during freshwater mussel survey of South Fork Tenmile Creek (Environmental Solutions and innovations, Inc. 2015)

Sources: PFBC, 2015; VDGIF, 2015a; WVDEP, 2015b; WVDNR, 2015a; 2015b

DEIS TABLE 4.7.2-2
(Updated for EEP October 2016 Proposed Route)

State-Listed Fish, Plant, and Wildlife Species Occurring or Potentially Occurring in the Equitrans Expansion Project Area

Common Name	Scientific Name	PA Status a/	PA Rank b/	WV Status c/	Impact
Mammals					
Indiana bat	*Myotis sodalis*	PE	SUB, S1N	FE	Would Not Significantly Impact
Northern long-eared bat	*Myotis septentrionalis*	-	S1	FT	Would Not Significantly Impact
Mussels					
Round pigtoe	*Pleurobema sintoxia*	SOC	S3S4	-	Would Not Significantly Impact
Three-ridge	*Amblema plicata*	SOC	S2S3	-	Would Not Significantly Impact
Wabash pigtoe	*Fusconaia flava*	SOC	S2S3	-	Would Not Significantly Impact
Plants					
Blue false-indigo	*Baptisia australis*	N (proposed PT)	S2	-	No Impacts Expected, Pending ~~Results of Field Surveys and~~ Agency Consultation d/
Cranefly orchid	*Tipularia discolor*	PR	S3	-	No Impacts Expected, Pending ~~Results of Field Surveys and~~ Agency Consultation d/
Goldenseal	*Hyrdrastis canadensis*	PV	S4	-	Unavoidable Impacts Expected, Pending Agency Consultation e/
Nodding rattlesnakeroot	*Prenanthes crepidinea*	PE	S4	-	Unavoidable Impacts Expected, Pending Agency Consultation f/
Purple rocket	*Iodanthus pinnatifidus*	PE	S1	-	No Impacts Expected, Pending ~~Results of Field Surveys and~~ Agency Consultation d/
Rock skullcap	*Scutellaria saxatilis*	TU (proposed PE)	S1	-	No Impacts Expected, Pending ~~Results of Field Surveys and~~ Agency Consultation d/
Snow trillium	*Trillium nivale*	PR	S3	-	No Impacts Expected, Pending ~~Results of Field Surveys and~~ Agency Consultation d/
White trout-lily	*Erythronium albidum*	N (proposed PR)	S3	-	No Impacts Expected, Pending ~~Results of Field Surveys and~~ Agency Consultation d/

DEIS TABLE 4.7.2-2
(Updated for EEP October 2016 Proposed Route)

State-Listed Fish, Plant, and Wildlife Species Occurring or Potentially Occurring in the Equitrans Expansion Project Area

Common Name	Scientific Name	PA Status a/	PA Rank b/	WV Status c/	Impact

a/ SOC = Species of Concern; N = No current legal status exists, but is under review for future listing; PE = Pennsylvania Endangered; PT = Pennsylvania Threatened; PR = Pennsylvania Rare; PV = Pennsylvania Vulnerable; TU = Tentatively Undetermined

b/ S#S# = Range Rank (indicates any range of uncertainty about the status of the species or ecosystem); SUB = Applicable to breeding population; S#N = Applicable to non-breeding population; S1 = Critically Imperiled (extreme rarity [often five or fewer populations] in the nation or state, or due to some factor(s) such as very steep declines, making it vulnerable to extirpation in the state); S2 = Imperiled (rarity due to very restricted range, very few populations [often 20 or fewer], steep declines, or other factors making it very vulnerable to extirpation from the nation or state); S3 = Vulnerable (restricted range in the nation or state, relatively few populations [often 80 or fewer], recent and widespread declines, or other factors making it vulnerable to extirpation); S4 = Apparently Secure (uncommon but not rare; some cause for long-term concern due to declines or other factors)

c/ West Virginia does not have state threatened and endangered species legislation, the species listed as either threatened or endangered in the State are those found on the FWS list of federally threatened and endangered species; FE = Federally Listed as Endangered; FT = Federally Listed as Threatened

d/ Rare plant surveys completed for the Project did not identify presence of this species.

e/ Two populations confirmed within the H-316 portion of the Project route during rare plant surveys completed in 2016 (Environmental Solutions & Innovations, Inc. 2016).

f/ One population confirmed within the H-318 portion of the Project route during rare plant surveys completed in 2016 (Environmental Solutions & Innovations, Inc. 2016).

DEIS TABLE 4.8.1-1
(Updated for EEP October 2016 Proposed Route)

Land Use Types Affected by Construction and Operation of the Mountain Valley Project and the Equitrans Expansion Project (in acres)

Project/State/ Component	Open Land		Agricultural		Forested/ Woodland		Industrial/ Commercial		Residential		Open Water		Total	
	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
MOUNTAIN VALLEY PROJECT														
Virginia														
Pipeline Right-of-Way	76.0	31.3	411.8	170.7	1,050.7	431.8	0.0	0.0	12.5	5.5	0.2	0.1	1,551.1	639.5
Additional Temporary Workspace	32.1	0.0	129.2	0.0	63.2	0.0	0.0	0.0	5.6	0.0	0.0	0.0	230.1	0.0
Aboveground Facilities	0.0	0.0	0.2	0.0	5.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	6.2	2.4
Access Roads	16.1	4.2	59.5	13.1	152.5	51.4	0.0	0.0	6.4	3.1	0.1	0.0	234.6	71.8
Yards	4.0	0.0	27.9	0.0	2.3	0.0	0.5	0.0	3.1	0.0	0.0	0.0	37.8	0.0
Cathodic Protection	1.5	0.8	4.0	2.0	0.3	0.2	0.3	0.1	0.9	0.5	0.0	0.0	7.0	3.6
Virginia Subtotal	*129.7*	*36.3*	*632.7*	*185.9*	*1,274.9*	*485.8*	*0.8*	*0.1*	*28.6*	*9.1*	*0.2*	*0.1*	*2,066.8*	*717.3*
West Virginia														
Pipeline Right-of-Way	142.0	61.5	150.9	64.1	2,595.1	1,054.7	0.0	0.0	7.5	3.4	1.3	0.8	2,896.8	1,184.5
Additional Temporary Workspace	73.3	0.0	116.6	0.0	309.5	0.0	0.0	0.0	4.2	0.0	0.3	0.0	503.9	0.0
Aboveground Facilities	7.0	2.3	1.2	0.0	79.9	17.6	0.0	0.0	0.0	0.0	0.0	0.0	88.0	19.9
Access Roads	103.6	33.9	41.8	11.3	495.3	128.4	0.0	0.0	7.2	1.7	0.5	0.0	648.5	175.3
Yards	19.5	0.0	63.0	0.0	20.7	0.0	2.3	0.0	3.7	0.0	0.0	0.0	109.1	0.0
Cathodic Protection	3.9	2.1	2.8	1.2	5.0	2.7	0.0	0.0	0.3	0.2	0.0	0.0	12.0	6.2
West Virginia Subtotal	*349.2*	*99.8*	*376.1*	*76.6*	*3,505.5*	*1,203.4*	*2.3*	*0.0*	*23.0*	*5.3*	*2.2*	*0.8*	*4,258.3*	*1,385.9*
MOUNTAIN VALLEY PROJECT SUBTOTAL	***478.9***	***136.1***	***1,008.8***	***262.5***	***4,780.4***	***1,689.2***	***3.1***	***0.1***	***51.5***	***14.4***	***2.4***	***0.9***	***6,325.1***	***2,103.2***

DEIS TABLE 4.8.1-1
(Updated for EEP October 2016 Proposed Route)

Land Use Types Affected by Construction and Operation of the Mountain Valley Project and the Equitrans Expansion Project (in acres)

Project/State/ Component	Open Land		Agricultural		Forested/ Woodland		Industrial/ Commercial		Residential		Open Water		Total	
	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
EQUITRANS EXPANSION PROJECT														
Pennsylvania														
Pipeline Right-of-Way	11.82	6.05.7	34.65.3	16.41	44.01.7	23.32.4	0.1	0.1	1.5	0.7	0.9	0.9	93.70.0	47.46.0
Additional Temporary Workspace	6.5	0.0	32.10.6	0.0	20.61.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	57.99.9	0.0
Aboveground Facilities	3.13	3.31.3	17.31	12.47.1	4.98	4.83.2	0.0	0.0	0.0	0.0	0.0	0.0	25.32	16.925.2
Access Roads	1.6	0.1	2.53.2	1.61	3.75.1	0.73.5	0.0	0.0	0.4	0.0	0.0	0.0	8.210.4	5.12.0
Yards	1.9	0.0	4.1	0.0	1.5	0.0	0.0	0.0	4.0	0.0	0.0	0.0	11.4	0.0
Cathodic Protection	0.89	0.89	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
Pennsylvania Subtotal	*25.72*	*9.98.1*	*90.7*	*304.5*	*72.76.2*	*30.027.9*	*0.1*	*0.1*	*6.1*	*0.78*	*0.9*	*0.9*	*199.75.7*	*740.24*
West Virginia														
Pipeline Right-of-Way	0.41	0.31	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.74	0.43
Additional Temporary Workspace	0.91.23	0.0	0.0	0.0	0.71.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.62.4	0.0
Aboveground Facilities	0.9	0.89	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.02
Access Roads	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Yards	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
Cathodic Protection	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
West Virginia Subtotal	*2.83*	*1.1*	*0.0*	*0.0*	*1.83*	*0.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*3.64.6*	*1.5*
EQUITRANS EXPANSION SUBTOTALS	***278.5***	***11.09.2***	***90.7***	***340.5***	***74.08.0***	***28.430.4***	***0.1***	***0.1***	***6.1***	***0.78***	***0.9***	***0.9***	***199.3204.3***	***71.95.7***

DEIS TABLE 4.8.1-1
(Updated for EEP October 2016 Proposed Route)

Land Use Types Affected by Construction and Operation of the Mountain Valley Project and the Equitrans Expansion Project (in acres)

Project/State/ Component	Open Land		Agricultural		Forested/ Woodland		Industrial/ Commercial		Residential		Open Water		Total	
	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper	Constr	Oper
Combined Project Totals	506.47.4	145.37.1	1,099.5	293.07.0	4,858.44.4	1,7179.6	3.32	0.3	57.6	15.12	3.3	1.8	6,5294.4	2,175.18.9

DEIS TABLE 4.8.1-4
(Updated for EEP October 2016 Proposed Route)

Land Use Types Affected by Construction and Operation of the Equitrans Expansion Project Pipeline Facilities (in acres) a/

	Open Land		Agricultural		Forested/ Woodland		Industrial/ Commercial		Residential		Open Water		Total	
State/Component	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**
Pennsylvania														
H-158/M80 Pipeline	0.6	0.2	0.8	0.3	2.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.6
H-316 Pipeline	2.6	1.0	18.1	7.9	16.5	8.9	0.0	0.0	0.8	0.2	0.0	0.0	38.0	18.0
H-318 Pipeline	8.0	4.4	14.5	7.3	22.8	12.45	0.1	0.1	0.7	0.6	0.9	0.9	46.9	25.7
H-305 Pipeline	0.0	0.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.6
West Virginia														
H-319 Pipeline	0.21	0.1	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.54	0.3
Equitrans Expansion Project Pipeline Totals	**11.63**	**5.8**	**34.6**	**16.1**	**41.92.0**	**22.5**	**0.1**	**0.1**	**1.5**	**0.87**	**0.9**	**0.9**	**90.64**	**46.32**

a/ Acreages are for pipeline rights of way only and do not include ATWS, yards, or access roads.

DEIS TABLE 4.8.1-5
(Updated for EEP October 2016 Proposed Route)

Summary of Land Use Types Affected by Construction and Operation of the Equitrans Expansion Project Aboveground Facilities (in acres)

	Open Land		Agricultural		Forested/ Woodland		Industrial/ Commercial		Residential		Open Water		Total	
State/Component	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Op.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**	**Constr.**	**Oper.**
Pennsylvania														
Redhook Compressor Station	2.23	02.3	10.89	10.96.0	4.26	4.62.5	0.0	0.0	0.0	0.0	0.0	0.0	17.27	17.78.8
Pratt Compressor Station Abandonment	1.0	1.0	6.3	6.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	7.5	7.5
Pennsylvania Totals	3.23	31.3	17.1	12.37.1	4.58	42.8	0.0	0.0	0.0	0.0	0.0	0.0	24.75.2	25.216.3
West Virginia														
Mobley Tap	0.4	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
Webster Interconnect	0.6	0.6	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
West Virginia Totals	1.00.9	0.89	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
EEP Aboveground Totals	**4.2**	**4.22.2**	**17.1**	**12.37.1**	**5.14.8**	**5.13.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**25.96.4**	**26.417.5**

DEIS TABLE 4.8.1-6
(Updated for EEP October 2016 Proposed Route)

Land Use at the Yards for the Equitrans Expansion Project

Yard Name/Number	County/State	Size (acres) a/	Land Use (acres) a/
Pratt Compressor Station b/	Greene, PA	7.5	Forest - 0.3 Open Space - 1.0 Agriculture - 6.3
~~Redhook ATWS-01~~	~~Greene, PA~~	~~1.5~~	~~Forest - 0.5~~ ~~Open Space - 1.0~~
H-158/M-80 ATWS-01	Greene, PA	3.3	Forest - 0.1 Open Space - 0.9 Agriculture - 2.4
~~H-158/M-80 ATWS-02~~	~~Greene, PA~~	~~0.5~~	~~Forest - 0.2~~ ~~Open Space - 0.4~~
H316 ATWS-08	Greene, PA	1.8	Agriculture - 1.7 Forest - 0.1
H318-ATWS-08	Washington, PA	2.5	Residential - 2.4 Open Space - 0.2
H318-ATWS-09	Washington, PA	1.4	Forest - 1.3 Open Space - 0.1
H318-ATWS-010	Washington, PA	2.3	Residential - 1.6 Open Space - 0.7
H319 ATWS 02	Wetzel, WV	0.3	Forest - 0.1 Open Space - 0.2

a/ Size may not add up to total of individual land uses due to rounding.
b/ The Pratt Compressor Station site would be used for pipe storage after demolition of the station.