

APPENDIX 8A

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TABLE 8A-1
Land Uses Crossed by the Pipeline Facilities

Facility Type/ Facility	County	State	Forest/ Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
			Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	
Supply Laterals																		
Sherwood Lateral	Doddridge	WV	9.4	95.1%	0.1	0.8%	0.3	3.2%	0.1	0.9%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	9.8
	Tyler	WV	18.5	79.2%	4.1	17.3%	0.7	3.1%	0.0	0.1%	0.0	0.0%	0.1	0.2%	0.0	0.0%	0.0	23.4
	Wetzel	WV	1.6	63.6%	0.4	15.9%	0.2	8.4%	0.0	0.0%	0.0	0.0%	0.3	12.1%	0.0	0.0%	0.0	2.5
	Monroe	OH	14.3	78.0%	2.9	16.1%	1.0	5.4%	0.0	0.2%	0.0	0.0%	0.1	0.3%	0.0	0.0%	0.0	18.3
CGT Lateral	Doddridge	WV	5.5	96.2%	0.1	1.6%	0.1	2.1%	0.0	0.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	5.7
Seneca Lateral	Noble	OH	1.0	63.1%	0.5	31.8%	0.1	5.1%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	1.5
	Monroe	OH	14.2	58.9%	8.0	33.0%	1.9	8.0%	0.0	0.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	24.1
Berne Lateral	Noble	OH	1.2	74.4%	0.3	21.0%	0.1	4.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	1.7
	Monroe	OH	1.8	89.9%	0.1	6.6%	0.1	3.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	2.0
Clarington Lateral	Monroe	OH	0.6	41.0%	0.7	52.4%	0.1	6.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	1.4
	Belmont	OH	10.9	44.1%	9.6	38.8%	4.1	16.8%	0.0	0.2%	0.0	0.0%	0.0	0.1%	0.0	0.0%	0.0	24.7
	Harrison	OH	2.2	34.1%	3.9	59.4%	0.4	6.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	6.6
Majorsville Lateral	Marshall	WV	9.7	77.3%	1.5	12.1%	1.0	8.1%	0.0	0.3%	0.0	0.0%	0.3	2.1%	0.0	0.0%	0.0	12.6
	Belmont	OH	8.8	78.3%	1.7	15.5%	0.7	5.9%	0.0	0.3%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	11.3
Cadiz Lateral	Harrison	OH	0.4	14.1%	2.0	68.3%	0.5	17.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	2.9
Burgettstown Lateral	Washington	PA	8.0	76.5%	1.8	17.6%	0.5	5.1%	0.1	0.8%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	10.4
	Hancock	WV	3.4	65.5%	1.0	18.4%	0.3	5.5%	0.1	2.2%	0.0	0.0%	0.2	3.0%	0.3	5.5%	0.0	5.3
	Jefferson	OH	11.8	58.7%	6.9	34.5%	1.2	5.8%	0.1	0.5%	0.0	0.0%	0.1	0.4%	0.0	0.0%	0.0	20.1
	Carroll	OH	9.2	59.2%	5.3	34.1%	1.0	6.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	15.5
Supply Connector A and B	Harrison	OH	11.3	65.0%	4.7	27.3%	1.3	7.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	17.3
	Carroll	OH	1.2	84.1%	0.2	15.4%	0.0	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	1.4
Supply Laterals Subtotal:			145.0	66.3%	56.0	25.6%	15.7	7.2%	0.6	0.3%	0.0	0.0%	0.9	0.4%	0.3	0.1%	0.0	218.5

TABLE 8A-1
Land Uses Crossed by the Pipeline Facilities

Facility Type/ Facility	County	State	Forest/ Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total
			Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles
Mainlines																	
Mainlines A and B	Carroll	OH	2.9	74.3%	0.9	22.1%	0.1	3.5%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	3.9
	Tuscarawas	OH	5.1	35.1%	8.4	58.0%	0.7	4.6%	0.0	0.0%	0.0	0.0%	0.3	2.3%	0.0	0.0%	14.5
	Stark	OH	3.7	25.6%	9.6	67.2%	0.8	5.7%	0.1	0.4%	0.0	0.0%	0.2	1.1%	0.0	0.0%	14.3
	Wayne	OH	3.6	13.0%	22.6	81.3%	1.0	3.7%	0.4	1.4%	0.0	0.0%	0.2	0.6%	0.0	0.0%	27.8
	Ashland	OH	2.2	13.6%	13.4	81.7%	0.6	3.6%	0.1	0.9%	0.0	0.0%	0.0	0.2%	0.0	0.0%	16.4
	Richland	OH	3.5	19.9%	13.2	75.5%	0.6	3.3%	0.2	1.2%	0.0	0.0%	0.0	0.1%	0.0	0.0%	17.4
	Crawford	OH	0.2	1.4%	16.7	94.1%	0.7	4.2%	0.1	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	17.7
	Seneca	OH	1.1	4.5%	21.2	90.3%	1.1	4.7%	0.1	0.3%	0.0	0.0%	0.0	0.2%	0.0	0.0%	23.5
	Hancock	OH	0.0	0.0%	5.4	97.1%	0.1	2.3%	0.0	0.6%	0.0	0.0%	0.0	0.0%	0.0	0.0%	5.6
	Wood	OH	0.4	2.0%	21.3	94.3%	0.8	3.3%	0.1	0.4%	0.0	0.0%	0.0	0.0%	0.0	0.0%	22.6
	Henry	OH	0.2	1.3%	17.5	93.8%	0.8	4.2%	0.0	0.1%	0.0	0.0%	0.1	0.6%	0.0	0.0%	18.6
Defiance	OH	0.2	2.9%	7.8	93.7%	0.2	2.5%	0.1	0.9%	0.0	0.0%	0.0	0.0%	0.0	0.0%	8.3	
Market Segment	Defiance	OH	0.3	5.6%	5.0	91.2%	0.2	3.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	5.5
	Henry	OH	0.5	10.7%	4.2	85.0%	0.2	4.2%	0.0	0.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	5.0
	Fulton	OH	0.1	0.4%	16.2	95.9%	0.5	3.0%	0.1	0.7%	0.0	0.0%	0.0	0.0%	0.0	0.0%	16.9
	Lenawee	MI	3.2	10.9%	24.4	84.0%	1.2	4.1%	0.3	1.0%	0.0	0.0%	0.0	0.0%	0.0	0.0%	29.1
	Washtenaw	MI	8.6	30.3%	18.0	63.6%	1.4	5.0%	0.3	0.9%	0.0	0.0%	0.0	0.1%	0.0	0.0%	28.3
	Livingston	MI	5.2	33.7%	8.3	54.0%	0.2	1.5%	0.2	1.6%	0.0	0.0%	0.1	0.9%	1.3	8.3%	15.3
<i>Mainlines Subtotal:</i>			<i>41.0</i>	<i>14.1%</i>	<i>234.0</i>	<i>80.5%</i>	<i>11.2</i>	<i>3.9%</i>	<i>2.1</i>	<i>0.7%</i>	<i>0.0</i>	<i>0.0%</i>	<i>1.1</i>	<i>0.4%</i>	<i>1.3</i>	<i>0.4%</i>	<i>290.6</i>
Project Total:			186.0	36.5%	290.0	57.0%	27.0	5.3%	2.7	0.5%	0.0	0.0%	2.0	0.4%	1.6	0.3%	509.1

Source: National Land Cover Database (<http://www.mrlc.gov/nlcd2011.php>) with miscellaneous special use areas determined using available data and photo interpretation.

Note: Mileage shown per county may result in rounding differences when compared to summary tables.

1 Upland and wetland forest.

2 Active hayfields, cultivated land, and specialty crops.

TABLE 8A-1
Land Uses Crossed by the Pipeline Facilities

Facility Type/ Facility	County	State	Forest/ Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
			Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	%	Miles	
<p>³ Utility rights-of-way, open fields, vacant land, herbaceous and scrub-shrub uplands, non-forested lands, emergent and scrub-shrub wetlands.</p> <p>⁴ Existing developed residential areas. This may include large developments, low, medium, and high density residential neighborhoods, urban/suburban residential, multi-family residences, ethnic villages, residentially zoned areas that have been developed or short segments of the route at road crossings with homes near the route alignment;</p> <p>⁵ Commercial, manufacturing or industrial plants, paved areas, landfills, mines, quarries, electric power or natural gas utility facilities, developed areas, roads, railroads and railroad yards, and commercial or retail facilities;</p> <p>⁶ Water crossings visible on aerial photography; and</p> <p>⁷ Miscellaneous special use areas (e.g., land associated with schools, parks, places of worship, cemeteries, sports facilities, camp grounds, golf courses, ball fields, etc.).</p>																		

TABLE 8A-2
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	County, State	Forest / Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Supply Laterals																	
<i>Sherwood Lateral</i>																	
Pipeline Right-of-Way	Doddridge, WV	159.73	56.54	1.78	0.55	5.01	1.84	1.57	0.54	0.00	0.00	0.00	0.00	0.00	0.00	168.09	59.46
	Tyler, WV	316.36	112.36	68.20	24.58	15.19	4.51	0.44	0.13	0.00	0.00	0.44	0.35	0.00	0.00	400.64	141.93
	Wetzel, WV	22.56	9.61	7.80	2.46	2.77	1.30	0.00	0.00	0.00	0.00	1.84	1.84	0.00	0.00	34.97	15.20
	Monroe, OH	246.16	86.66	49.11	17.60	20.04	6.14	0.27	0.15	0.00	0.00	0.36	0.36	0.00	0.00	315.94	110.90
<i>Subtotal Pipeline Right-of-Way:</i>		<i>744.81</i>	<i>265.16</i>	<i>126.90</i>	<i>45.18</i>	<i>43.01</i>	<i>13.79</i>	<i>2.28</i>	<i>0.81</i>	<i>0.00</i>	<i>0.00</i>	<i>2.64</i>	<i>2.55</i>	<i>0.00</i>	<i>0.00</i>	<i>919.64</i>	<i>327.49</i>
Sherwood Compressor Station	Doddridge, WV	19.83	6.55	4.34	0.00	5.80	5.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.96	11.75
Sherwood Tie-In	Monroe, OH	0.00	0.00	1.32	1.32	0.48	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.80
Access Roads	Various	10.83	7.52	0.42	0.16	3.04	0.52	0.00	0.00	32.66	1.29	0.00	0.00	0.00	0.00	46.95	9.49
Sherwood Yard	Tyler, WV	0.00	0.00	0.00	0.00	17.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.95	0.00
<i>Subtotal Sherwood Lateral:</i>		<i>775.47</i>	<i>279.23</i>	<i>132.97</i>	<i>46.66</i>	<i>70.28</i>	<i>19.99</i>	<i>2.28</i>	<i>0.81</i>	<i>32.66</i>	<i>1.29</i>	<i>2.64</i>	<i>2.55</i>	<i>0.00</i>	<i>0.00</i>	<i>1,016.30</i>	<i>350.53</i>
<i>CGT Lateral</i>																	
Pipeline Right-of-Way	Doddridge, WV	65.61	32.86	0.85	0.42	1.53	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.00	34.04
CGT Meter Station	Doddridge, WV	0.00	0.00	1.65	1.41	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.41
CGT Tie-In	Doddridge, WV	0.37	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.37
Access Roads	Doddridge, WV	0.12	0.06	0.00	0.00	0.07	0.00	0.00	0.00	7.30	0.00	0.00	0.00	0.00	0.00	7.49	0.06
<i>Subtotal CGT Lateral:</i>		<i>66.10</i>	<i>33.29</i>	<i>2.50</i>	<i>1.83</i>	<i>1.66</i>	<i>0.76</i>	<i>0.00</i>	<i>0.00</i>	<i>7.30</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>77.56</i>	<i>35.89</i>
<i>Seneca Lateral</i>																	
Pipeline Right-of-Way	Noble, OH	19.50	7.42	5.98	3.08	1.52	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00	11.06
	Monroe, OH	252.38	86.59	136.24	47.48	29.92	11.09	0.82	0.27	0.00	0.00	0.00	0.00	0.00	0.00	419.36	145.43

TABLE 8A-2
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	County, State	Forest / Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
<i>Subtotal Pipeline Right-of-Way:</i>		271.87	94.01	142.22	50.56	31.44	11.65	0.82	0.27	0.00	0.00	0.00	0.00	0.00	0.00	446.36	156.49
Seneca Compressor Station	Noble, OH	22.75	7.42	0.03	0.00	2.01	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.79	8.20
Hall Meter Station	Monroe, OH	0.26	0.26	0.00	0.00	1.49	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	1.75
Gulfport Meter Station	Monroe, OH	0.19	0.19	0.89	0.89	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	1.11
Access Roads	Various	0.98	0.14	0.29	0.00	2.38	0.00	0.00	0.00	11.96	0.00	0.00	0.00	0.00	0.00	15.61	0.14
Seneca Yard	Monroe, OH	0.00	0.00	0.00	0.00	8.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.61	0.00
<i>Subtotal Seneca Lateral:</i>		296.05	102.02	143.43	51.46	45.96	13.95	0.82	0.27	11.96	0.00	0.00	0.00	0.00	0.00	498.22	167.69
<i>Berne Lateral</i>																	
Pipeline Right-of-Way	Noble, OH	20.00	8.23	5.60	2.96	1.51	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.11	11.75
	Monroe, OH	21.40	11.09	1.23	0.57	0.77	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.41	12.09
<i>Subtotal Pipeline Right-of-Way:</i>		41.40	19.32	6.83	3.53	2.28	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.52	23.84
Berne Meter Station	Monroe, OH	0.34	0.34	2.75	2.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.09	3.09
<i>Subtotal Berne Lateral:</i>		41.74	19.66	9.58	6.27	2.28	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.60	26.93
<i>Clarington Lateral</i>																	
Pipeline Right-of-Way	Monroe, OH	5.15	1.70	8.14	3.04	1.53	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.82	5.30
	Belmont, OH	199.57	66.68	168.59	57.96	61.67	24.19	0.28	0.28	0.00	0.00	0.12	0.12	0.00	0.00	430.22	149.23
	Harrison, OH	35.74	13.41	70.50	23.39	7.55	2.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.78	39.39
<i>Subtotal Pipeline Right-of-Way:</i>		240.46	81.79	247.23	84.39	70.74	27.34	0.28	0.28	0.00	0.00	0.12	0.12	0.00	0.00	558.83	193.92
Clarington Compressor Station	Monroe, OH	21.71	10.67	13.25	3.80	5.12	1.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.08	15.83
Access Roads	Various	0.44	0.10	0.00	0.00	0.80	0.12	0.00	0.00	17.74	0.20	0.00	0.00	0.00	0.00	18.98	0.42

TABLE 8A-2
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	County, State	Forest / Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Clarington Yard	Harrison, OH	0.00	0.00	0.00	0.00	47.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.99	0.00
<i>Subtotal Clarington Lateral:</i>		<i>262.61</i>	<i>92.56</i>	<i>260.48</i>	<i>88.19</i>	<i>124.66</i>	<i>28.82</i>	<i>0.28</i>	<i>0.28</i>	<i>17.74</i>	<i>0.20</i>	<i>0.12</i>	<i>0.12</i>	<i>0.00</i>	<i>0.00</i>	<i>665.88</i>	<i>210.17</i>
<i>Majorsville Lateral</i>																	
Pipeline Right-of-Way	Marshall, WV	107.36	57.54	18.30	9.23	11.86	5.94	0.46	0.25	0.00	0.00	1.62	1.62	0.00	0.00	139.61	74.58
	Belmont, OH	99.62	53.09	20.51	10.41	9.64	4.26	0.22	0.21	0.03	0.00	0.00	0.00	0.00	0.00	130.02	67.97
<i>Subtotal Pipeline Right-of-Way:</i>		<i>206.98</i>	<i>110.63</i>	<i>38.81</i>	<i>19.64</i>	<i>21.50</i>	<i>10.19</i>	<i>0.69</i>	<i>0.46</i>	<i>0.03</i>	<i>0.00</i>	<i>1.62</i>	<i>1.62</i>	<i>0.00</i>	<i>0.00</i>	<i>269.63</i>	<i>142.54</i>
Majorsville Compressor Station	Marshall, WV	14.80	10.49	0.00	0.00	3.89	2.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.69	13.16
Majorsville Meter Station	Marshall, WV	2.96	0.84	0.00	0.00	0.94	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.89	0.93
Majorsville Tie-In	Belmont, OH	3.10	3.10	0.30	0.30	0.65	0.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.05	4.05
Access Roads	Various	3.00	2.79	0.00	0.00	0.26	0.05	0.00	0.00	16.79	1.29	0.00	0.00	0.00	0.00	20.05	4.13
Majorsville Yard	Marshall, WV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.99	0.00	0.00	0.00	0.00	0.00	38.99	0.00
<i>Subtotal Majorsville Lateral:</i>		<i>230.83</i>	<i>127.84</i>	<i>39.11</i>	<i>19.95</i>	<i>27.24</i>	<i>13.65</i>	<i>0.69</i>	<i>0.46</i>	<i>55.81</i>	<i>1.29</i>	<i>1.62</i>	<i>1.62</i>	<i>0.00</i>	<i>0.00</i>	<i>355.31</i>	<i>164.81</i>
<i>Cadiz Lateral</i>																	
Pipeline Right-of-Way	Harrison, OH	6.93	2.39	34.22	11.74	9.59	2.95	0.30	0.02	0.00	0.00	0.00	0.00	0.00	0.00	51.05	17.11
Cadiz Compressor Station	Harrison, OH	0.00	0.00	20.65	12.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.65	12.21
Access Roads	Harrison, OH	0.00	0.00	0.00	0.00	2.75	2.32	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.00	3.51	2.32
<i>Subtotal Cadiz Lateral:</i>		<i>6.93</i>	<i>2.39</i>	<i>54.88</i>	<i>23.96</i>	<i>12.34</i>	<i>5.27</i>	<i>0.30</i>	<i>0.02</i>	<i>0.76</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>75.21</i>	<i>31.64</i>

TABLE 8A-2
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	County, State	Forest / Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
<i>Burgettstown Lateral</i>																	
Pipeline Right-of-Way	Washington, PA	125.02	48.16	30.24	11.05	7.13	2.55	1.53	0.57	0.00	0.00	0.00	0.00	0.00	0.00	163.91	62.33
	Hancock, WV	52.49	20.91	16.77	5.91	5.93	3.49	0.98	0.63	0.00	0.00	1.16	0.96	0.00 ¹¹	0.00 ¹¹	77.34	31.90
	Jefferson, OH	182.60	71.52	127.56	42.17	17.56	6.80	0.99	0.64	0.00	0.00	0.51	0.51	0.00	0.00	329.22	121.63
	Carroll, OH	145.84	55.95	91.89	31.91	20.80	6.47	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	258.54	94.34
<i>Subtotal Pipeline Right-of-Way:</i>		<i>505.95</i>	<i>196.54</i>	<i>266.46</i>	<i>91.05</i>	<i>51.43</i>	<i>19.31</i>	<i>3.51</i>	<i>1.84</i>	<i>0.00</i>	<i>0.00</i>	<i>1.67</i>	<i>1.46</i>	<i>0.00</i>	<i>0.00</i>	<i>829.01</i>	<i>310.19</i>
Burgettstown Compressor Station	Washington, PA	0.83	0.83	0.00	0.00	14.35	14.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.18	15.18
Burgettstown Receiver	Carroll, OH	1.45	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	1.45
Access Roads	Various	1.09	1.09	0.00	0.00	0.47	0.47	0.00	0.00	5.45	0.00	0.00	0.00	0.00	0.00	7.01	1.56
Burgettstown Yard	Jefferson, OH	0.00	0.00	0.00	0.00	199.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.97	0.00
<i>Subtotal Burgettstown Lateral:</i>		<i>509.32</i>	<i>199.91</i>	<i>266.46</i>	<i>91.05</i>	<i>266.22</i>	<i>34.13</i>	<i>3.51</i>	<i>1.84</i>	<i>5.45</i>	<i>0.00</i>	<i>1.67</i>	<i>1.46</i>	<i>0.00</i>	<i>0.00</i>	<i>1,052.62</i>	<i>328.38</i>
<i>Supply Connector A and B</i>																	
Pipeline Right-of-Way	Harrison, OH	184.47	81.73	84.57	34.48	21.35	9.48	0.29	0.06	0.00	0.00	0.00	0.00	0.00	0.00	290.67	125.75
	Carroll, OH	19.62	8.52	3.07	1.23	0.47	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.16	9.84
<i>Subtotal Pipeline Right-of-Way:</i>		<i>204.09</i>	<i>90.26</i>	<i>87.64</i>	<i>35.70</i>	<i>21.82</i>	<i>9.57</i>	<i>0.29</i>	<i>0.06</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>313.84</i>	<i>135.59</i>
Cadiz Tie-In	Carroll, OH	0.14	0.00	3.05	2.23	0.87	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.06	2.64
Access Roads	Harrison, OH	0.00	0.00	0.13	0.13	0.02	0.00	0.00	0.00	2.29	0.00	0.00	0.00	0.00	0.00	2.44	0.13
<i>Subtotal Supply Connector A and B:</i>		<i>204.23</i>	<i>90.26</i>	<i>90.81</i>	<i>38.07</i>	<i>22.70</i>	<i>9.97</i>	<i>0.29</i>	<i>0.06</i>	<i>2.29</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>320.33</i>	<i>138.36</i>
Subtotal Supply Laterals:		2,393.29	947.16	1,000.22	367.43	573.33	127.53	8.17	3.73	133.97	2.78	6.05	5.75	0.00	0.00	4,115.04	1,454.39

TABLE 8A-2
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	County, State	Forest / Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Mainlines																	
<i>Mainlines A and B</i>																	
Pipeline Right-of-Way	Carroll, OH	46.62	20.15	14.43	5.55	2.79	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.85	26.77
	Tuscarawas, OH	78.28	36.56	150.44	61.35	12.12	5.00	0.00	0.00	0.00	0.00	5.87	2.59	0.00	0.00	246.71	105.50
	Stark, OH	56.27	26.58	172.17	69.95	12.44	5.95	0.56	0.33	0.00	0.00	2.48	1.19	0.00	0.00	243.92	104.00
	Wayne, OH	58.86	26.43	392.71	161.96	20.24	8.07	5.73	2.67	0.00	0.00	1.24	1.24	0.00	0.00	478.78	200.37
	Ashland, OH	35.10	16.41	234.02	96.95	10.64	4.50	1.27	1.01	0.00	0.00	0.32	0.24	0.00	0.00	281.35	119.12
	Richland, OH	57.46	25.39	236.18	95.75	9.74	4.12	3.43	1.42	0.00	0.00	0.21	0.18	0.00	0.00	307.02	126.86
	Crawford, OH	4.00	1.86	296.86	119.13	13.53	5.43	1.43	0.52	0.00	0.00	0.00	0.00	0.00	0.00	315.82	126.94
	Seneca, OH	15.30	7.83	379.23	153.92	19.79	8.18	1.39	0.51	0.00	0.00	0.31	0.31	0.00	0.00	416.02	170.75
	Hancock, OH	0.00	0.00	98.03	39.43	2.28	1.01	0.41	0.23	0.00	0.00	0.00	0.00	0.00	0.00	100.73	40.68
	Wood, OH	5.67	3.14	384.88	155.37	13.07	5.48	0.89	0.67	0.00	0.00	0.00	0.00	0.00	0.00	404.51	164.66
	Henry, OH	2.38	1.78	313.52	127.57	11.05	5.35	0.32	0.11	0.00	0.00	0.80	0.80	0.00	0.00	328.07	135.61
Defiance, OH	2.49	1.61	136.54	46.69	3.50	1.12	0.66	0.43	0.00	0.00	0.00	0.00	0.00	0.00	143.18	49.84	
<i>Subtotal Pipeline Right-of-Way:</i>		<i>362.43</i>	<i>167.74</i>	<i>2,809.01</i>	<i>1,133.61</i>	<i>131.20</i>	<i>55.28</i>	<i>16.11</i>	<i>7.91</i>	<i>0.00</i>	<i>0.00</i>	<i>11.23</i>	<i>6.55</i>	<i>0.00</i>	<i>0.00</i>	<i>3,329.97</i>	<i>1,371.09</i>
Mainline Compressor Station 1	Carroll, OH	3.65	1.60	27.96	12.52	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.49	14.12
Mainline Compressor Station 2	Wayne, OH	0.00	0.00	26.49	14.83	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.33	14.83
Mainline Compressor Station 3	Crawford, OH	0.00	0.00	29.02	13.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.03	13.03
ANR Meter Station	Defiance, OH	0.00	0.00	8.63	4.59	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.70	4.59

TABLE 8A-2
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	County, State	Forest / Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Mainline B Receiver	Defiance, OH	0.00	0.00	0.95	0.95	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	1.04
Access Roads	Various	0.00	0.00	2.35	1.88	0.22	0.17	0.00	0.00	1.37	0.09	0.00	0.00	0.00	0.00	3.94	2.14
Dennison Yard	Tuscarawas, OH	0.00	0.00	0.00	0.00	61.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.59	0.00
Dover Yard	Tuscarawas, OH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.79	0.00	0.00	0.00	0.00	0.00	21.79	0.00
Ashland Yard	Ashland, OH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.29	0.00	0.00	0.00	0.00	0.00	21.29	0.00
Mansfield Yard	Richland, OH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.99	0.00	0.00	0.00	0.00	0.00	22.99	0.00
Bucyrus Yard	Crawford, OH	0.00	0.00	0.00	0.00	66.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.81	0.00
Defiance Yard	Defiance, OH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.65	0.00	0.00	0.00	0.00	0.00	23.65	0.00
<i>Subtotal Mainlines A and B:</i>		<i>366.08</i>	<i>169.34</i>	<i>2,904.41</i>	<i>1,181.40</i>	<i>261.70</i>	<i>55.55</i>	<i>16.11</i>	<i>7.91</i>	<i>91.09</i>	<i>0.09</i>	<i>11.23</i>	<i>6.55</i>	<i>0.00</i>	<i>0.00</i>	<i>3,650.61</i>	<i>1,420.83</i>
<i>Market Segment</i>																	
Pipeline Right-of-Way	Defiance, OH	3.00	1.85	89.78	30.28	3.39	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.17	33.23
	Henry, OH	5.45	3.18	76.59	25.66	3.73	1.26	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.78	30.11
	Fulton, OH	1.11	0.38	294.79	98.55	9.16	3.09	1.41	0.72	0.00	0.00	0.00	0.00	0.00	0.00	306.47	102.74
	Lenawee, MI	49.18	18.93	443.23	148.48	21.02	7.15	5.31	1.81	0.00	0.00	0.00	0.00	0.00	0.00	518.74	176.37
	Washtenaw, MI	122.73	52.01	321.77	108.91	21.57	8.52	4.22	1.57	0.00	0.00	0.36	0.17	0.00	0.00	470.65	171.17
	Livingston, MI	69.35	31.40	137.27	49.91	1.33	1.44	3.91	1.45	0.00	0.00	1.15	0.77	21.16	7.73	234.17	92.70
<i>Subtotal Pipeline Right-of-Way:</i>		<i>250.82</i>	<i>107.75</i>	<i>1,363.43</i>	<i>461.79</i>	<i>60.20</i>	<i>22.56</i>	<i>14.86</i>	<i>5.55</i>	<i>0.00</i>	<i>0.00</i>	<i>1.51</i>	<i>0.95</i>	<i>21.16</i>	<i>7.73</i>	<i>1,711.99</i>	<i>606.32</i>
Defiance Compressor Station	Defiance, OH	0.00	0.00	21.69	15.19	0.69	0.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.38	15.55
Consumers Energy Meter Station	Carroll, OH	0.00	0.00	2.26	2.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.26
Vector Meter	Wayne, OH	0.00	0.00	8.40	8.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.40	8.40

TABLE 8A-2
Land Use Acreage Affected by Construction and Operation

Workspace Type/ Facility	County, State	Forest / Woodland ¹		Agricultural ²		Open Land ³		Residential ⁴		Industrial/ Commercial ⁵		Open Water ⁶		Other ⁷		Total	
		Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation	Construction	Operation
Station																	
Access Roads	Various	0.18	0.04	1.80	1.70	0.19	0.06	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	5.24	1.80
Whitmore Lake Yard	Livingston, MI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.53	0.00	0.00	0.00	0.00	0.00	15.53	0.00
Oakville Yard	Monroe, MI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.50	0.00	0.00	0.00	0.00	0.00	43.50	0.00
<i>Subtotal Market Segment:</i>		<i>251.00</i>	<i>107.79</i>	<i>1,397.58</i>	<i>489.34</i>	<i>61.08</i>	<i>22.97</i>	<i>14.86</i>	<i>5.55</i>	<i>62.10</i>	<i>0.00</i>	<i>1.51</i>	<i>0.95</i>	<i>21.16</i>	<i>7.73</i>	<i>1,809.30</i>	<i>634.33</i>
Subtotal Mainlines:		617.09	277.13	4,301.99	1,670.74	322.78	78.52	30.97	13.46	153.19	0.09	12.74	7.50	21.16	7.73	5,459.91	2,055.16
PROJECT TOTAL:		3,010.38	1,224.29	5,302.21	2,038.17	896.11	206.05	39.14	17.19	287.16	2.87	18.79	13.25	21.16	7.73	9,574.95	3,509.55

- 1 Upland and wetland forest.
- 2 Active hayfields, cultivated land, and specialty crops.
- 3 Utility rights-of-way, open fields, vacant land, herbaceous and scrub-shrub uplands, non-forested lands, emergent and scrub-shrub wetlands.
- 4 Existing developed residential areas. This may include large developments, low, medium, and high density residential neighborhoods, urban/suburban residential, multi-family residences, ethnic villages, residentially zoned areas that have been developed or short segments of the route at road crossings with homes near the route alignment;
- 5 Manufacturing or industrial plants, paved areas, landfills, mines, quarries, electric power or natural gas utility facilities, developed areas, roads, railroads and railroad yards, and commercial or retail facilities; and
- 6 Water crossings visible on aerial photography.
- 7 Miscellaneous special use areas (e.g., land associated with schools, parks, places of worship, cemeteries, sports facilities, camp grounds, golf courses, ball fields, etc.).
- 8 Permanent right-of-way, temporary construction right-of-way, and additional temporary workspace (ATWS).
- 9 Permanent right-of-way.
- 10 The Sherwood, Seneca, Clarington, Cadiz, Burgettstown, and PEPL meter stations will be located within compressor stations and, therefore, are not included.
- 11 The Mountaineer Woodview golf course on the Burgettstown Lateral will be crossed by HDD with no aboveground impacts; therefore no operational or construction acreage is included.

Notes:

Construction includes land used for construction, including ATWS for the pipelines as listed in Table 1A-3 in Appendix 1A of Resource Report.
The Burgettstown, Clarington, Majorsville, and Sherwood Laterals, and the Mainlines pipeline right-of-way construction and operation acreages include permanent easements associated with MLVs totaling 7.13 acres.

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Supply Laterals						
Sherwood Lateral	0.00	BUILDING ³	SOUTH	1,877.60	0.0	N/A
	0.00	BUILDING ³	SOUTH	1,465.60	0.0	N/A
	0.00	BUILDING ³	SOUTH	1,180.90	0.0	N/A
	0.00	GARAGE ³	SOUTH	2,076.70	0.0	N/A
	0.00	HOUSE ³	SOUTH	1,696.80	0.0	N/A
	0.00	HOUSE ³	SOUTH	1,998.60	0.0	N/A
	0.00	SHED ³	SOUTH	2,049.10	35.4	N/A
	4.74	SHED	EAST	88.60	0.0	N/A
	4.74	MOBILE HOME	EAST	125.74	25.7	WV-DO-SHC-027.000
	9.74	BARN	WEST	29.44	0.0	N/A
	12.61	BARN	WEST	58.74	18.7	N/A
	15.64	SHED	WEST	9.86	0.0	N/A
	16.55	SHED	EAST	75.51	0.0	N/A
	17.61	BARN	EAST	120.77	10.8	N/A
	19.45	BARN	WEST	85.53	35.5	N/A
	23.34	COLLAPSED BUILDING	EAST	38.24	0.0	N/A
	23.35	COLLAPSED BUILDING	EAST	19.85	0.0	N/A
	26.35	BARN	EAST	110.71	0.7	N/A
	26.41	BARN	EAST	116.60	6.6	N/A
	27.01	HOUSE	EAST	125.56	15.6	WV-TY-SHC-081.000
	27.59	SHED	WEST	24.82	0.0	N/A
	28.88	CORRAL	WEST	84.42	34.4	N/A
	30.17	HUNTING CABIN	EAST	110.30	25.3	WV-TY-SHC-100.000
	31.12	HOUSE ³	COINCIDENT	0.00	0.0	WV-TY-SHC-106.000
	31.13	SHED	COINCIDENT	0.00	0.0	N/A
	32.81	BARN	EAST	47.18	7.2	N/A
	34.42	MOBILE HOME ³	COINCIDENT	0.00	0.0	OH-MO-SHC-003.000
	35.83	BLOCK BUILDING	EAST	0.90	0.0	N/A
35.83	SHED	COINCIDENT	0.00	0.0	N/A	
37.01	OLD HOUSE FOUNDATION	COINCIDENT	0.00	0.0	N/A	
40.64	SHED	COINCIDENT	0.00	0.0	N/A	
45.23	HOUSE	EAST	135.18	46.8	OH-MO-SHC-057.520	

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Sherwood Lateral	45.25	SHED	EAST	139.18	36.2	N/A
	45.40	HOUSE	EAST	142.34	32.3	OH-MO-SHC-060.000
	49.42	HOUSE	EAST	115.60	27.1	OH-MO-SHC-066.574
	50.32	HOUSE	EAST	159.72	49.7	OH-MO-SHC-079.000
CGT Lateral	4.24	BUILDING	COINCIDENT	0.00	0.0	N/A
	4.26	BUILDING	NORTH	19.32	0.0	N/A
	5.40	SHED	SOUTH	126.10	46.1	N/A
	5.41	SHED	SOUTH	82.67	12.7	N/A
	5.49	BARN	SOUTH	1.01	0.0	N/A
	5.64	BUILDING	NORTH	167.92	31.9	N/A
	5.65	BUILDING	NORTH	150.80	5.8	N/A
Seneca Lateral	5.68	BUILDING	SOUTH	159.34	13.2	N/A
	0.02	BUILDING	SOUTH	292.56	28.3	N/A
	3.10	HOUSE	SOUTH	113.07	28.1	OH-MO-SCL-008.000
	3.39	LOG CABIN	NORTH	42.39	2.4	OH-MO-SCL-010.000
	3.49	BARN	SOUTH	80.17	5.0	N/A
	5.30	BARN	SOUTH	79.82	4.2	N/A
	5.30	BUILDING	SOUTH	118.21	15.9	N/A
	5.30	BUILDING	SOUTH	156.11	46.4	N/A
	5.65	BARN	SOUTH	59.49	0.0	N/A
	11.17	BARN	SOUTH	88.73	3.7	N/A
	16.85	OLD CONCRETE SHOP	SOUTH	66.56	0.0	N/A
Berne Lateral	21.84	BARN	SOUTH	119.39	9.4	N/A
	23.21	BARN	NORTH	78.33	28.3	N/A
Clarrington Lateral	0.00	BUILDING	SOUTH	126.73	0.0	N/A
	0.00	BUILDING	SOUTH	101.10	0.0	N/A
	0.37	HOUSE	EAST	625.98	33.4	CC COMPRESSOR STATION
	0.38	HOUSE	EAST	914.45	41.1	CC COMPRESSOR STATION
	0.39	SHED	EAST	586.87	0.0	N/A
	0.50	SHED	EAST	212.61	0.0	N/A
	0.50	SHED	EAST	145.04	0.0	N/A
	0.52	HOUSE ³	EAST	214.20	0.0	CC COMPRESSOR STATION

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Clarrington Lateral	0.59	SHED	EAST	180.96	0.0	N/A
	7.67	BUILDING	EAST	25.72	0.0	N/A
	8.01	SHED	EAST	132.77	22.9	N/A
	10.45	HOUSE	WEST	74.01	34.0	OH-BE-CC-049.530
	11.15	SHED	WEST	121.96	24.5	N/A
	18.02	SHED	WEST	139.77	29.8	N/A
	18.36	CABIN	WEST	46.68	6.7	OH-BE-CC-100.00
	21.68	GARAGE	WEST	71.62	31.6	N/A
	21.79	BARN	WEST	18.85	0.0	N/A
	21.85	SHED	WEST	74.98	35.0	N/A
	31.41	SHED	EAST	83.42	0.0	N/A
	31.65	BARN	EAST	67.55	9.0	N/A
Majorsville Lateral	3.51	BARN	SOUTH	24.32	0.0	N/A
	3.52	BARN	SOUTH	26.73	0.0	N/A
	3.54	SHED	SOUTH	40.58	10.6	N/A
	6.11	BARN	SOUTH	53.14	33.1	N/A
	7.01	BARN	NORTH	125.26	39.4	N/A
	7.22	BARN ³	NORTH	1.22	0.0	N/A
	7.24	HOUSE ³	NORTH	17.42	0.0	WV-MA-ML-038.000_RI_EX
	7.25	COMMERCIAL ³	NORTH	16.81	0.0	N/A
	11.26	SHED	NORTH	55.14	0.0	N/A
	11.28	HOUSE	NORTH	124.64	44.6	WV-MA-ML-063.300
	11.38	MOBILE HOME ³	COINCIDENT	0.00	0.0	WV-MA-ML-064.310
	11.49	SHED	SOUTH	23.59	0.0	N/A
	11.50	SHED	NORTH	13.94	0.0	N/A
	11.75	HOUSE	NORTH	87.72	32.3	WV-MA-ML-069.000
	12.47	HOUSE	NORTH	736.42	4.9	OH-BE-ML-001.510
	13.85	SHED	NORTH	26.45	0.0	N/A
	15.05	BARN	NORTH	99.97	20.0	N/A
	18.97	BARN	NORTH	28.44	0.0	N/A
19.47	BARN	NORTH	94.48	39.4	N/A	
20.33	BARN	NORTH	10.85	0.0	N/A	

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Cadiz Lateral	1.74	BARN	NORTH	157.68	47.7	N/A
	1.90	BARN	NORTH	100.34	0.0	N/A
	1.93	BARN	NORTH	95.45	10.5	N/A
Burgettstown Lateral	4.15	HOUSE	NORTH	116.23	16.2	PA-WA-HL.001.000
	4.56	BARN	NORTH	111.13	26.1	N/A
	5.70	BUILDING	NORTH	77.71	0.0	N/A
	5.79	BUILDING	SOUTH	64.72	22.3	N/A
	6.02	BUILDING	SOUTH	53.50	0.0	N/A
	13.20	BARN	SOUTH	14.33	0.0	N/A
	14.19	SHED	SOUTH	55.67	15.7	N/A
	14.39	SHED	NORTH	55.34	0.0	N/A
	14.94	SHED	SOUTH	25.10	0.0	N/A
	19.74	HOUSE	NORTH	99.09	15.0	OH-JE-HL-026.510
	19.75	GARAGE	SOUTH	61.31	14.0	N/A
	19.75	SHED	NORTH	131.00	21.0	N/A
	20.17	PORTABLE BUILDING	NORTH	83.97	0.0	N/A
	20.19	PORTABLE BUILDING	NORTH	88.41	3.4	N/A
	20.21	PORTABLE BUILDING	NORTH	2.69	0.0	N/A
	21.21	BARN	NORTH	103.56	8.4	N/A
	22.24	DELAPITATED BARN	NORTH	27.12	0.0	N/A
	25.47	BARN	SOUTH	79.18	38.9	N/A
	29.75	BARN	SOUTH	82.47	42.5	N/A
	29.81	BUILDING	SOUTH	71.12	31.1	N/A
	29.92	SHED	NORTH	83.98	0.0	N/A
	31.23	SHED	NORTH	111.90	15.0	N/A
	31.24	SHED	NORTH	113.04	15.6	N/A
	32.20	PAVILLION	SOUTH	11.33	0.0	N/A
	32.61	HOUSE	NORTH	146.23	36.2	OH-JE-HL-090.310
	32.62	STORAGE BUILDING	NORTH	137.35	27.3	N/A
	32.63	MOBILE HOME	NORTH	151.27	41.3	OH-JE-HL-090.310
37.06	HOUSE UNDER CONSTRUCTION ³	NORTH	29.81	0.0	OH-CA-HL-011.100	
37.90	BARN	NORTH	150.17	40.2	N/A	
41.03	BARN	SOUTH	71.25	31.2	N/A	
43.21	PORTABLE BUILDING	NORTH	131.60	21.6	N/A	
47.02	BARN	NORTH	149.94	40.1	N/A	

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Burgettstown Lateral	49.02	HOUSE ³	NORTH	61.65	0.0	OH-CA-HL-071.000

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Burgettstown Lateral	50.11	BARN	NORTH	118.04	33.0	N/A
	50.45	HOUSE	NORTH	121.16	34.7	OH-CA-HL-081.300
Supply Connector Lines A and B ²	2.79	SHED	WEST	79.13	39.1	N/A
	9.17	BARN	WEST	69.92	29.9	N/A
	12.34	BARN	COINCIDENT	0.00	0.0	N/A
	12.36	HOUSE	WEST	22.17	2.2	OH-HR-035.000
	13.40	BARN	COINCIDENT	0.00	0.0	N/A
	16.31	BUILDING	EAST	78.73	3.7	N/A
	18.74	HOUSE	EAST	190.44	22.6	OH-CA-001.000
Mainlines						
Mainlines A and B ²	20.52	BARN	WEST	87.48	47.5	N/A
	22.00	BARN	EAST	120.87	30.9	N/A
	22.04	SHED	EAST	114.11	24.1	N/A
	22.32	SHED	WEST	7.66	0.0	N/A
	23.28	SHED	EAST	125.00	50.0	N/A
	23.31	BARN	EAST	56.60	4.4	N/A
	31.41	HOUSE	EAST	81.40	8.0	OH-TU-024.000
	31.43	SHED ³	EAST	0.28	0.0	N/A
	31.43	MOBILE HOME ³	COINCIDENT	0.00	0.0	OH-TU-024.000
	35.31	HOUSE	WEST	71.80	31.8	OH-TU-037.000
	43.64	HOUSE	NORTH	93.20	3.4	OH-ST.024.000
	45.97	BARN	NORTH	92.25	2.3	N/A
	49.06	BARN	NORTH	109.55	19.6	N/A
	49.24	BUILDING	SOUTH	42.75	2.7	N/A
	49.25	HOUSE	SOUTH	47.40	7.4	OH-ST-044.000
	49.27	BUILDING	SOUTH	54.53	14.5	N/A
	51.94	MOBILE HOME	NORTH	90.15	15.2	OH-WA-002.000
	51.95	SHED	NORTH	89.18	8.6	N/A
	52.73	SHED	NORTH	8.03	0.0	N/A
	58.39	BARN	NORTH	67.43	0.0	N/A
	64.45	ABANDONED HOUSE	COINCIDENT	0.00	0.0	OH-WA-050.000
	69.31	UTILITY SHED	NORTH	46.10	0.0	N/A
	69.33	UTILITY SHED	SOUTH	12.97	0.0	N/A
69.33	HOUSE	NORTH	34.51	8.0	OH-WA-052.532	
69.55	BUILDING	NORTH	119.62	29.6	N/A	
71.05	HOUSE ³	COINCIDENT	0.00	0.0	OH-WA-074.000	

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Mainlines A and B ²	71.85	CORRAL	COINCIDENT	0.00	0.0	N/A
	73.41	SHED	NORTH	117.13	27.1	N/A
	79.37	CISTERN	NORTH	49.90	0.0	N/A
	79.39	SHED	NORTH	63.90	0.0	N/A
	82.68	BUILDING	NORTH	175.05	35.1	N/A
	82.68	BUILDING	NORTH	60.28	0.0	N/A
	88.96	BARN	NORTH	84.29	9.3	N/A
	91.20	BARN	SOUTH	49.45	9.4	N/A
	94.46	COMMERCIAL	NORTH	56.60	36.6	N/A
	98.32	SHED	NORTH	8.96	0.0	N/A
	98.34	HOUSE	NORTH	97.46	22.5	OH-RI-010.000
	101.11	SHED	COINCIDENT	0.00	0.0	N/A
	106.05	BUILDING	NORTH	126.56	36.3	N/A
	106.72	BARN	NORTH	40.21	0.0	N/A
	134.95	PORTABLE BUILDING	NORTH	17.60	0.0	N/A
	147.96	SHED	NORTH	129.66	39.7	N/A
176.24	BUILDING	SOUTH	87.06	47.1	N/A	
Mainline A	183.86	BARN	SOUTH	89.62	49.6	N/A
	187.64	BUILDING	SOUTH	46.34	11.3	N/A
	203.68	BUILDING	SOUTH	76.26	36.3	N/A
Market Segment	11.53	BUILDING	WEST	89.35	44.3	N/A
	28.71	SHED	WEST	76.73	36.7	N/A
	36.92	BUILDING	WEST	62.67	22.7	N/A
	37.76	BUILDING	WEST	83.73	43.7	N/A
	38.02	SHED	WEST	23.53	0.0	N/A
	38.04	SHED	WEST	17.82	0.0	N/A
	42.98	BUILDING	EAST	132.19	23.8	N/A
	44.56	BARN	WEST	68.10	28.1	N/A
	68.05	SHED	WEST	9.99	0.0	N/A
	69.04	BARN	EAST	107.52	7.5	N/A
	70.20	HOUSE	WEST	139.65	24.6	RIP-WA-MP 70.20
	70.22	BARN ³	WEST	83.60	0.0	N/A
	70.23	BARN	WEST	121.58	6.6	N/A
	75.33	SHED	WEST	54.30	14.3	N/A
	75.34	HOUSE	WEST	59.00	19.0	RIP-WA-MP 75.34
	78.69	HOUSE ³	EAST	7.48	0.0	RIP-WA-MP 78.69

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Market Segment	78.71	SHOP	EAST	103.24	18.2	N/A
	78.72	BARN	WEST	0.00	0.0	N/A
	79.29	SHED	EAST	67.94	0.0	N/A
	79.30	BARN	EAST	107.44	22.4	N/A
	79.33	SHED	EAST	109.67	24.7	N/A
	85.09	GARAGE	WEST	141.00	46.0	N/A
	85.11	SHED	WEST	90.71	0.0	N/A
	85.12	BARN	WEST	108.54	13.5	N/A
	86.95	SHED	EAST	5.30	0.0	N/A
	86.96	HOUSE	WEST	78.73	8.0	RIP-LI-MP 86.96
	86.97	GARAGE	WEST	133.30	38.3	N/A
	88.29	GARAGE	EAST	56.88	0.0	N/A
	88.29	HOUSE ³	EAST	14.10	0.0	RIP-LI-MP 88.29
	89.94	CLUBHOUSE	EAST	90.53	30.5	N/A
	90.66	SHED	WEST	74.60	0.0	N/A
	90.94	HOUSE	WEST	91.72	11.7	RIP-LI-MP 90.94
	91.10	SHED	EAST	5.70	0.0	N/A
	91.10	SHED	WEST	55.35	0.0	N/A
	91.13	HOUSE	WEST	68.91	8.0	RIP-LI-MP 91.13
	91.15	SHED	EAST	0.10	0.0	N/A
	91.16	OUT BUILDING	WEST	23.83	0.0	N/A
	91.17	SHED	WEST	16.55	0.0	N/A
	91.17	SHED	WEST	112.68	27.7	N/A
	91.19	SHED	WEST	88.33	3.3	N/A
	92.78	PLAYHOUSE	EAST	81.69	0.0	N/A
	95.31	BUILDING	EAST	119.88	19.9	N/A
	95.45	HOUSE	WEST	104.94	19.9	RIP-LI-MP 95.45
	95.54	SHED	WEST	86.91	1.9	N/A
	95.55	SHED	WEST	51.45	0.0	N/A
	95.55	SHED	WEST	86.57	1.6	N/A
	95.57	SHED	EAST	18.63	0.0	N/A
	95.85	BARN	WEST	150.76	40.8	N/A
	95.93	HOUSE	WEST	85.81	0.8	RIP-LI-MP 95.93
95.95	METAL SHOP ³	COINCIDENT	0.00	0.0	N/A	
96.00	SHED	WEST	100.00	15.0	N/A	
96.00	HOUSE	WEST	64.55	8.0	RIP-LI-MP 96.00	

TABLE 8A-3
Structures Located within 50 Feet of the Pipeline Construction Right-of-Way

Pipeline Facility	Approximate MP	Type of Structure	Direction from Centerline	Distance from Centerline (ft)	Distance from Construction Work Area (ft)	Residential Plan Drawing Number ¹
Market Segment	96.27	HOUSE	WEST	104.20	19.1	RIP-LI-MP 96.27
	96.29	GARAGE	WEST	38.20	0.0	N/A
	96.30	SHED	WEST	0.00	0.0	N/A
	96.31	SHED	WEST	107.59	22.6	N/A
	96.39	BUILDING	COINCIDENT	0.00	0.0	N/A
	98.17	SHED	EAST	120.14	35.1	N/A
	99.56	BUILDING	EAST	7.30	0.0	N/A
<p>1 Site-specific residential plan is provided in Appendix 8B. Plans are not included for non-residential structures.</p> <p>2 Distance shown is from nearest centerline.</p> <p>3 Rover plans to compensate for structures.</p>						

TABLE 8A-4
Public Land and Designated Recreation, Scenic, or Other Areas

Pipeline Facility	Enter MP	County	State	Name	Designation Type	Land Uses ¹	Distance from Project (feet)	Crossing Length (feet)	Area Affected During Construction (acres) ²	Area Affected During Operation (acres) ³	Crossing Method
Supply Laterals											
Sherwood Lateral	17.1	Tyler	WV	Conaway Run Lake Wildlife Management Area	State	N/A	759	0	0	0	N/A
	18.8	Tyler	WV	Jug Wildlife Management Area	State	N/A	60	0	0	0	N/A
	35.5	Wetzel	WV	Ohio River Islands National Wildlife Refuge (Paden Island)	Federal	N/A	110	0	0	0	N/A
	36.0	Monroe	OH	Ohio River Scenic Byway (OH-7)	Other	OL	0	50	0	0	HDD
	37.4	Monroe	OH	Wayne National Forest – Within administrative boundary on private land	Other	FW	0	2,485	8.27	2.84	Conventional
	40.4	Monroe	OH		Other	FW, Ag, OL	0	39,752	131.41	45.53	Conventional
Berne Lateral	0.0	Monroe	OH	Wayne National Forest – Within administrative boundary on private land	Other	FW, Ag, OL	0	9,191	19.93	10.30	Conventional
Majorsville Lateral	12.6	Belmont	OH	Ohio River Scenic Byway (OH-7)	Other	OL	0	75	0	0	HDD
Burgettstown Lateral	2.9	Washington	PA	State Game Land 117	State	N/A	80	0	0	0	N/A
	3.7	Washington	PA	Hillman State Park	State	N/A	615	0	0	0	N/A
	14.6	Hancock	WV	Mountaineer Woodview Golf Course	Other	OL	0	1,522	0	0	HDD
	16.2	Jefferson	OH	Ohio River Scenic Byway (OH-7)	Other	OL	0	75	0	0	Bore
	46.4	Carroll	OH	Leesville Lake Wildlife Area	State	N/A	975	0	0	0	N/A
	48.9	Carroll	OH	Buckeye Trail (Autumn Road)	Other	OL	0	25	0	0	Bore

TABLE 8A-4
Public Land and Designated Recreation, Scenic, or Other Areas

Pipeline Facility	Enter MP	County	State	Name	Designation Type	Land Uses ¹	Distance from Project (feet)	Crossing Length (feet)	Area Affected During Construction (acres) ²	Area Affected During Operation (acres) ³	Crossing Method
Supply Connector A and B	9.1	Harrison	OH	Tappan-Moravian Trail Scenic Byway (Tappan-Scio Road)	Other	OL	0	25	0	0	Bore
	14.6	Harrison	OH	Buckeye Trail (Willis Run Road)	Other	OL	0	25	0	0	Bore
Subtotal Supply Laterals:								53,225	159.61	58.67	
Mainlines											
Mainlines A and B	24.1	Tuscarawas	OH	Buckeye Trail (Dawn Road/CR 320)	Other	OL	0	25	0	0	Bore
	24.6	Tuscarawas	OH	Atwood Lake	Other	N/A	935	0	0	0	N/A
	35.4	Tuscarawas	OH	North Country Scenic Trail	Other	OL	0	25	0	0	Bore
	38.2	Stark	OH	Lake Bolivar Reservoir	Other	N/A	106	0	0	0	N/A
	42.2	Stark	OH	Buckeye Trail	Other	FW	0	25	0	0	HDD
	42.2	Stark	OH	Ohio and Erie Canal National Heritage Area	Other	FW, Ag, OW	0	632	0	0	HDD
	42.6	Stark	OH	Ohio and Erie Canalway Scenic Byway (Riverland Ave)	Other	OL	0	25	0	0	Bore
	70.0	Wayne	OH	Killbuck Marsh Wildlife Area	State	N/A	1,663	0	0	0	N/A
	81.6	Ashland	OH	Lincoln Highway Historic Byway (CR-30A)	Other	OL	0	25	0	0	Bore
	142.2	Seneca	OH	Sandusky River	Other	OW	0	160	0	0	HDD
	177.7	Wood	OH	Wildlife Habitat Restoration Program Land	State	N/A	355	0	0	0	N/A
	200.4	Henry	OH	Maumee River	Other	OW	0	435	0	0	HDD
	200.4	Henry	OH	Buckeye Trail	Other	OL	0	25	0	0	HDD
	200.4	Henry	OH	Maumee Valley Scenic Byway (Highway 424)	Other	OL	0	25	0	0	HDD
200.4	Henry	OH	Independence Dam State	State	N/A	490	0	0	0	N/A	

TABLE 8A-4
Public Land and Designated Recreation, Scenic, or Other Areas

Pipeline Facility	Enter MP	County	State	Name	Designation Type	Land Uses ¹	Distance from Project (feet)	Crossing Length (feet)	Area Affected During Construction (acres) ²	Area Affected During Operation (acres) ³	Crossing Method
				Park							
Market Segment	16.6	Fulton	OH	North Country Scenic Trail	Other	Ag	0	25	0	0	Bore
	76.5	Washtenaw	MI	Chelsea State Game Area	State	N/A	797	0	0	0	N/A
	82.5	Washtenaw	MI	Pinckney Recreation Area	State	FW, Ag, OL	0	7,786	22.65	8.93	Conventional
	88.9	Livingston	MI	Pinckney Recreation Area	State	N/A	1,175	0	0	0	N/A
	89.8	Livingston	MI	Timber Trace Golf Club	Other	OL	0	6,736	21.16	7.73	Conventional
	92.8	Livingston	MI	Gregory State Game Area	State	N/A	545	0	0	0	N/A
Subtotal Mainlines:								15,949	43.81	16.66	
PROJECT TOTAL:								69,174	203.42	75.33	
<p>1 FW – Forest/Woodland; Ag – Agricultural; OL – Open Land; R – Residential; IC – Industrial/Commercial; OW – Open Water; Ot – Other. No land use provided for those areas not crossed by the Project construction workspace.</p> <p>2 Permanent right-of-way, temporary construction right-of-way, and additional temporary workspace (ATWS).</p> <p>3 Permanent right-of-way.</p>											