

**Appendix 1**  
**Soil Map Units Crossed by the Construction and Operation of the Project Pipeline Facilities and Important Soil Attributes**

Facility	County	Municipality	State	Permanent Impacts <sup>1</sup> (acres)	Temporary Impacts <sup>1</sup> (acres)	Soil Map Unit Name	Soil Map Unit Key	Prime Farmland <sup>2</sup>	Slope <sup>3</sup>	Compaction Potential <sup>4</sup>	Hydric Classification <sup>5</sup>	Drainage Classification <sup>6</sup>	Revegetation Potential <sup>7</sup>	Water Erosion Potential <sup>8</sup>	Wind Erosion Potential <sup>9</sup>
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.52	0.95	Lackawanna channery silt loam, 8 to 15 percent slopes	LaC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.05	0.03	Lackawanna channery silt loam, 15 to 25 percent slopes	LaD	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.82	0.82	Oquaga and Lordstown channery silt loams, 3 to 8 percent slopes	OIB	Farmland of statewide importance	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.09	0.25	Oquaga and Lordstown channery silt loams, 8 to 15 percent slopes	OIC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.71	1.43	Oquaga and Lordstown channery silt loams, 15 to 25 percent slopes	OID	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.36	0.38	Oquaga and Lordstown extremely stony silt loams, 3 to 8 percent slopes	OpB	Not prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	2.11	2.37	Oquaga and Lordstown extremely stony silt loams, 8 to 25 percent slopes	OpD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.50	0.89	Oquaga and Lordstown extremely stony silt loams steep	OXF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.85	1.10	Wellsboro channery silt loam, 3 to 8 percent slopes	WIB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.30	0.10	Wellsboro channery silt loam, 8 to 15 percent slopes	WIC	Farmland of statewide importance	12	Moderate	Partially hydric	Moderately well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.56	0.80	Wellsboro channery silt loam, 15 to 25 percent slopes	WID	Not prime farmland	20	Moderate	Not hydric	Moderately well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Dallas Twp	Pennsylvania	0.08	0.04	Wellsboro very stony silt loam, 3 to 8 percent slopes	WmB	Not prime farmland	6	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.26	0.49	Arnot-Rock outcrop complex, 0 to 8 percent slopes	ArB	Not prime farmland	4	Low	Not hydric	Somewhat excessively drained	Poor	Slight	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.25	0.20	Arnot-Rock outcrop complex, 8 to 25 percent slopes	ArD	Not prime farmland	17	Low	Not hydric	Somewhat excessively drained	Poor	Severe	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.23	0.18	Mardin very stony silt loam, 8 to 25 percent slopes	McD	Not prime farmland	17	Moderate	Partially hydric	Moderately well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.49	0.39	Morris channery silt loam, 0 to 8 percent slopes	MoB	Farmland of statewide importance	6	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.77	1.13	Oquaga and Lordstown channery silt loams, 3 to 8 percent slopes	OIB	Farmland of statewide importance	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	1.65	2.24	Oquaga and Lordstown channery silt loams, 8 to 15 percent slopes	OIC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.85	0.82	Oquaga and Lordstown channery silt loams, 15 to 25 percent slopes	OID	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	1.05	1.53	Oquaga and Lordstown extremely stony silt loams, 3 to 8 percent slopes	OpB	Not prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	4.69	6.23	Oquaga and Lordstown extremely stony silt loams, 8 to 25 percent slopes	OpD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	3.56	4.65	Oquaga and Lordstown extremely stony silt loams steep	OXF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.33	0.19	Wayland silt loam	Wa	Not prime farmland	2	High	All hydric	Very poorly drained	Poor	Slight	8
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.26	0.27	Weikert and Klinesville channery silt loams, 3 to 8 percent slopes	WeB	Farmland of statewide importance	6	Low	Not hydric	Well drained	Poor	Moderate	7
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	1.30	1.67	Wellsboro channery silt loam, 3 to 8 percent slopes	WIB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.44	0.65	Wellsboro channery silt loam, 8 to 15 percent slopes	WIC	Farmland of statewide importance	12	Moderate	Partially hydric	Moderately well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.34	0.35	Wellsboro very stony silt loam, 3 to 8 percent slopes	WmB	Not prime farmland	6	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Kingston Twp	Pennsylvania	0.71	0.88	Wellsboro very stony silt loam, 8 to 25 percent slopes	WmD	Not prime farmland	17	Moderate	Partially hydric	Moderately well drained	Poor	Severe	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.22	0.34	Arnot-Rock outcrop complex, 0 to 8 percent slopes	ArB	Not prime farmland	4	Low	Not hydric	Somewhat excessively drained	Poor	Slight	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.12	0.10	Arnot-Rock outcrop complex, 8 to 25 percent slopes	ArD	Not prime farmland	17	Low	Not hydric	Somewhat excessively drained	Poor	Severe	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.00	0.04	Atherton silt loam, gray subsoil variant	At	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.40	0.60	Braceville gravelly loam, 3 to 8 percent slopes	BrB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.64	0.74	Chenango gravelly loam, 3 to 8 percent slopes	ChB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	2.50	3.28	Gravel pits	GP	Not prime farmland	20	Low	Not hydric	Excessively drained	Poor	Not rated	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	1.00	1.04	Lackawanna and Bath very stony silt loams, steep	LEF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.24	0.21	Mardin channery silt loam, 3 to 8 percent slopes	MaB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.67	0.71	Mardin very stony silt loam, 3 to 8 percent slopes	McB	Not prime farmland	6	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	2.29	2.23	Mardin very stony silt loam, 8 to 25 percent slopes	McD	Not prime farmland	17	Moderate	Partially hydric	Moderately well drained	Poor	Severe	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.37	0.60	Mine dump, burned	Mh	Not prime farmland	25		Not hydric		Poor	Severe	7
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.01	0.02	Oquaga and Lordstown channery silt loams, 3 to 8 percent slopes	OIB	Farmland of statewide importance	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.22	0.19	Oquaga and Lordstown channery silt loams, 8 to 15 percent slopes	OIC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.06	0.03	Oquaga and Lordstown channery silt loams, 15 to 25 percent slopes	OID	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.36	0.37	Oquaga and Lordstown extremely stony silt loams, 3 to 8 percent slopes	OpB	Not prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.02	0.13	Oquaga and Lordstown extremely stony silt loams, 8 to 25 percent slopes	OpD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.22	0.24	Oquaga and Lordstown extremely stony silt loams steep	OXF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.13	0.39	Rexford loam, 3 to 8 percent slopes	RdB	Farmland of statewide importance	6	High	Partially hydric	Poorly drained	Poor	Moderate	8
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.75	0.76	Strip mine	Sm	Not prime farmland	25		Not hydric		Poor	Severe	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.07	0.07	Wellsboro channery silt loam, 3 to 8 percent slopes	WIB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	West Wyoming Boro	Pennsylvania	0.40	0.65	Wyoming gravelly loam, 25 to 60 percent slopes	WyF	Not prime farmland	35	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Luzerne	Wyoming Boro	Pennsylvania	0.15	1.48	Alluvial land	Ag	Not prime farmland	3	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	3
PennEast Mainline	Luzerne	Wyoming Boro	Pennsylvania	0.93	1.63	Chenango gravelly loam, 3 to 8 percent slopes	ChB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Wyoming Boro	Pennsylvania	0.82	1.61	Holly silt loam	Ho	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	8
PennEast Mainline	Luzerne	Wyoming Boro	Pennsylvania	3.89	10.72	Pope soils	Ps	All areas are prime farmland	2	Low	Partially hydric	Well drained	Good	Slight	5
PennEast Mainline	Luzerne	Wyoming Boro	Pennsylvania	0.61	4.84	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.00	0.28	Alluvial land	Ag	Not prime farmland	3	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	3
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.41	0.72	Braceville gravelly loam, 3 to 8 percent slopes	BrB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.34	0.75	Braceville gravelly loam, 8 to 15 percent slopes	BrC	Farmland of statewide importance	12	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	5
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	2.40	3.76	Mine dump	Mg	Not prime farmland	25		Not hydric		Poor	Severe	7
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.77	0.87	Oquaga and Lordstown extremely stony silt loams steep	OXF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.83	2.83	Pope soils	Ps	All areas are prime farmland	2	Low	Partially hydric	Well drained	Good	Slight	5
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.06	0.16	Strip mine	Sm	Not prime farmland	25		Not hydric		Poor	Severe	5
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.52	6.48	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.00	0.00	Wurtsboro channery loam, 3 to 8 percent slopes	WrB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	6
PennEast Mainline	Luzerne	Jenkins Twp	Pennsylvania	0.00	0.01	Wurtsboro channery loam, 8 to 15 percent slopes	WrC	Farmland of statewide importance	12	Moderate	Partially hydric	Moderately well drained	Poor	Severe	6
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	1.19	1.70	Arnot-Rock outcrop complex, 0 to 8 percent slopes	ArB	Not prime farmland	4	Low	Not hydric	Somewhat excessively drained	Poor	Slight	5
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	3.18	4.67	Arnot-Rock outcrop complex, 8 to 25 percent slopes	ArD	Not prime farmland	17	Low	Not hydric	Somewhat excessively drained	Poor	Severe	5
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	1.23	3.56	Arnot-Rock outcrop complex, steep	ASF	Not prime farmland	48	Low	Not hydric	Somewhat excessively drained	Poor	Severe	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.00	0.44	Braceville gravelly loam, 8 to 15 percent slopes	BrC	Farmland of statewide importance	12	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	5
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.72	0.38	Cut and fill land	CF	Not prime farmland	35	Low	Not hydric	Somewhat excessively drained	N/A	Not rated	N/A
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.51	0.57	Chenango gravelly loam, 3 to 8 percent slopes	ChB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.06	0.01	Chippewa silt loam, 0 to 3 percent slopes	CIA	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.24	0.23	Chippewa silt loam, 3 to 8 percent slopes	CIB	Not prime farmland	6	High	All hydric	Poorly drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.61	0.60	Dekalb extremely stony sandy loam, 0 to 8 percent slopes	DdB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.13	0.06	Dekalb extremely stony sandy loam, 8 to 25 percent slopes	DdD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.11	0.13	Dekalb extremely stony sandy loam, steep	DEF	Not prime farmland	53	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	1.01	2.50	Mine dump	Mg	Not prime farmland	25		Not hydric		Poor	Severe	7
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.71	2.43	Mine dump, burned	Mh	Not prime farmland	25		Not hydric		Poor	Severe	7
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.33	0.74	Mine wash	Mm	Not prime farmland	25		Partially hydric		Poor	Severe	6
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.93	2.53	Morris very stony silt loam, 8 to 15 percent slopes	MsC	Not prime farmland	11	Moderate	Partially hydric	Somewhat poorly drained	Poor	Severe	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.80	1.12	Oquaga and Lordstown channery silt loams, 15 to 25 percent slopes	OID	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.25	0.24	Oquaga and Lordstown extremely stony silt loams, 3 to 8 percent slopes	OpB	Not prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	1.36	3.63	Oquaga and Lordstown extremely stony silt loams, 8 to 25 percent slopes	OpD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.69	0.66	Oquaga and Lordstown extremely stony silt loams steep	OXF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.13	0.08	Pope soils	Ps	All areas are prime farmland	2	Low	Partially hydric	Well drained	Good	Slight	5
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	5.38	8.06	Strip mine	Sm	Not prime farmland	25		Not hydric		Poor	Severe	5
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	1.06	0.63	Volusia channery silt loam, 0 to 8 percent slopes	VmB	Farmland of statewide importance	4	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	7
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.41	1.24	Volusia very stony silt loam, 0 to 8 percent slopes	VrB	Not prime farmland	5	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	1.92	2.00	Wurtsboro channery loam, 3 to 8 percent slopes	WrB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair		

Appendix 6

Soil Map Units Crossed by the Construction and Operation of the Project Pipeline Facilities and Important Soil Attributes

Facility	County	Municipality	State	Permanent Impacts <sup>1</sup> (acres)	Temporary Impacts <sup>1</sup> (acres)	Soil Map Unit Name	Soil Map Unit Key	Prime Farmland <sup>2</sup>	Slope <sup>3</sup>	Compaction Potential <sup>4</sup>	Hydric Classification <sup>5</sup>	Drainage Classification <sup>6</sup>	Revegetation Potential <sup>7</sup>	Water Erosion Potential <sup>8</sup>	Wind Erosion Potential <sup>9</sup>
PennEast Mainline	Luzerne	Plains Twp	Pennsylvania	0.15	0.17	Wurtsboro extremely stony loam, 3 to 8 percent slopes	WtB	Not prime farmland	6	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.00	0.05	Alluvial land	Ag	Not prime farmland	3	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	3
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	1.53	2.02	Arnot-Rock outcrop complex, 8 to 25 percent slopes	ArD	Not prime farmland	17	Low	Not hydric	Somewhat excessively drained	Poor	Severe	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.57	1.12	Arnot-Rock outcrop complex, steep	ArF	Not prime farmland	48	Low	Not hydric	Somewhat excessively drained	Poor	Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.23	0.23	Braceville gravelly loam, 3 to 8 percent slopes	BF	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.15	0.64	Chenango gravelly loam, 3 to 8 percent slopes	ChB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.21	0.46	Chenango gravelly loam, 8 to 15 percent slopes	ChC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.57	0.83	Chippewa very stony silt loam, 0 to 8 percent slopes	CnB	Not prime farmland	4	High	All hydric	Very poorly drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.77	1.11	Gravel pits	GP	Not prime farmland	20	Low	Not hydric	Excessively drained	Poor	Not rated	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.69	1.12	Holly silt loam	Ho	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.24	0.35	Lackawanna channery silt loam, 3 to 8 percent slopes	LaB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	1.31	2.15	Lackawanna very stony silt loam, 3 to 8 percent slopes	LCB	Not prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	4.76	6.98	Lackawanna very stony silt loam, 8 to 25 percent slopes	LCd	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.08	0.21	Lackawanna and Bath very stony silt loams, steep	LEF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.83	0.78	Linden soils	Ln	All areas are prime farmland	2	Low	Partially hydric	Well drained	Good	Slight	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	6.31	8.52	Morris very stony silt loam, 0 to 8 percent slopes	MsB	Not prime farmland	4	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.44	0.55	Morris very stony silt loam, 8 to 15 percent slopes	MsC	Not prime farmland	11	Moderate	Partially hydric	Somewhat poorly drained	Poor	Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.14	0.04	Muck	Mu	Not prime farmland	1	High	All hydric	Very poorly drained	Poor	Very Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.53	0.58	Oquaga and Lordstown channery silt loams, 3 to 8 percent slopes	OIB	Farmland of statewide importance	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.71	0.68	Oquaga and Lordstown channery silt loams, 8 to 15 percent slopes	OIC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	3.85	5.30	Oquaga and Lordstown extremely stony silt loams, 3 to 8 percent slopes	OpB	Not prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	5.89	11.95	Oquaga and Lordstown extremely stony silt loams, 8 to 25 percent slopes	OpD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	2.55	5.42	Oquaga and Lordstown extremely stony silt loams steep	OXF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	1.09	1.70	Rexford loam, 3 to 8 percent slopes	RdB	Farmland of statewide importance	6	High	Partially hydric	Poorly drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.16	0.08	Volusia very stony silt loam, 0 to 8 percent slopes	VrB	Not prime farmland	5	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.32	0.27	Volusia very stony silt loam, 8 to 15 percent slopes	VrC	Not prime farmland	12	Moderate	Partially hydric	Somewhat poorly drained	Poor	Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.09	0.09	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	1.19	2.54	Wellsboro channery silt loam, 3 to 8 percent slopes	WIB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.53	0.53	Wellsboro channery silt loam, 8 to 15 percent slopes	WIC	Farmland of statewide importance	12	Moderate	Partially hydric	Moderately well drained	Poor	Severe	5
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	12.69	19.19	Wellsboro very stony silt loam, 3 to 8 percent slopes	WmB	Not prime farmland	6	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	2.59	3.54	Wellsboro very stony silt loam, 8 to 25 percent slopes	WmD	Not prime farmland	17	Moderate	Partially hydric	Moderately well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	1.26	0.89	Wurtsboro extremely stony loam, 3 to 8 percent slopes	WtB	Not prime farmland	6	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.65	0.61	Wurtsboro extremely stony loam, 8 to 25 percent slopes	WtD	Not prime farmland	17	Moderate	Partially hydric	Moderately well drained	Poor	Severe	8
PennEast Mainline	Luzerne	Bear Creek Twp	Pennsylvania	0.20	0.66	Wyoming gravelly loam, 15 to 25 percent slopes	WyD	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.00	0.00	Albrights channery loam, 3 to 8 percent slopes moderately eroded	AaB2	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	6
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	3.91	4.20	Albrights very stony loam, 0 to 8 percent slopes	AcB	Not prime farmland	4	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.00	0.01	Dekalb very stony loam, 8 to 25 percent slopes	DeD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Moderate	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.20	0.28	Drifton loam, 3 to 8 percent slopes, moderately eroded	DRB2	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.40	1.87	Drifton very stony loam, 0 to 8 percent slopes	DsB	Not prime farmland	4	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	2.19	3.69	Hazleton loam, 0 to 3 percent slopes	HtA	All areas are prime farmland	2	Low	Not hydric	Well drained	Good	Slight	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.65	0.62	Hazleton loam, 3 to 8 percent slopes	HtB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Slight	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.32	1.79	Hazleton loam, 3 to 8 percent slopes, moderately eroded	HTB2	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Slight	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.00	0.05	Holly silt loam	Hy	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	6
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.07	0.11	Klinesville very stony silt loam, 25 to 80 percent slopes	KvF	Not prime farmland	53	Low	Not hydric	Somewhat excessively drained	Poor	Severe	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.59	2.03	Leck kill channery silt loam, 0 to 3 percent slopes	LeA	All areas are prime farmland	2	Low	Not hydric	Well drained	Poor	Slight	6
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.58	1.28	Leck kill very stony loam, 0 to 8 percent slopes	LkB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.65	1.11	Leck kill very stony loam, 8 to 25 percent slopes	LkD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	2.90	3.27	Lickdale and Tughill very stony loams, 0 to 8 percent slopes	LtA	Not prime farmland	3	High	All hydric	Very poorly drained	Poor	Moderate	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.68	1.61	Lordstown very stony silt loam, 8 to 25 percent slopes	LvD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.95	1.85	Lordstown very stony silt loam, 25 to 80 percent slopes	LvF	Not prime farmland	50	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	8.42	11.29	Meckesville very stony loam, 0 to 8 percent slopes	McB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Moderate	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	6.03	9.55	Meckesville very stony loam, 8 to 25 percent slopes	McD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	4.12	2.96	Morris very stony silt loam, 0 to 8 percent slopes	MrB	Not prime farmland	4	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	8
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.97	0.52	Muck and Peat	Mu	Not prime farmland	1	High	All hydric	Very poorly drained	Poor	Very Severe	2
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.27	0.17	Norwich very stony loam, 0 to 8 percent slopes	NvB	Not prime farmland	4	High	All hydric	Very poorly drained	Poor	Moderate	8
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.15	0.23	Shelmadine silt loam, 0 to 3 percent slopes	ShA	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	3.63	6.46	Shelmadine very stony silt loam, 0 to 8 percent slopes	Smb	Not prime farmland	4	High	All hydric	Poorly drained	Poor	Moderate	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	4.46	4.84	Swartswood very stony loam, 0 to 8 percent slopes	SwB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.09	0.13	Tioga and Middlebury very stony loams, 0 to 8 percent slopes	TmB	Not prime farmland	4	Low	Partially hydric	Well drained	Good	Slight	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.46	0.00	Tunkhannock gravelly loam, 3 to 8 percent slopes	TuB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.70	2.82	Tunkhannock gravelly loam, 8 to 15 percent slopes	TuC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.46	3.24	Very stony land, 25 to 120 percent slopes	VeF	Not prime farmland	40	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	1.26	1.78	Volusia very stony loam, 0 to 8 percent slopes	VsB	Not prime farmland	4	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	8
PennEast Mainline	Carbon	Kidder Twp	Pennsylvania	0.17	0.17	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	4.41	5.89	Albrights silt loam, 0 to 3 percent slopes	AbA	All areas are prime farmland	2	Moderate	Partially hydric	Moderately well drained	Fair	Slight	6
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.37	1.26	Albrights very stony loam, 0 to 8 percent slopes	AcB	Not prime farmland	4	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.11	0.23	Alvira gravelly silt loam, 0 to 8 percent slopes	AnB	Not prime farmland	4	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	5
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.33	1.79	Alvira very stony silt loam, 0 to 8 percent slopes	ArB	Not prime farmland	4	Moderate	Partially hydric	Somewhat poorly drained	Poor	Moderate	5
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.53	2.13	Alvira and Shelmadine silt loams, 0 to 3 percent slopes	AsA	Farmland of statewide importance	2	High	Partially hydric	Poorly drained	Poor	Slight	8
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.29	0.73	Alvira and Shelmadine very stony silt loams, 0 to 8 percent slopes	AtB	Not prime farmland	4	High	Partially hydric	Poorly drained	Poor	Moderate	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.94	2.91	Dekalb very stony loam, 8 to 25 percent slopes	DeD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Moderate	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.60	1.79	Dekalb very stony loam, 25 to 100 percent slopes	DeF	Not prime farmland	53	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	2.84	2.84	Drifton loam, 0 to 3 percent slopes	DR	All areas are prime farmland	2	Moderate	Partially hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	4.91	6.45	Hazleton very stony loam, 0 to 8 percent slopes	HvB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.54	1.12	Hazleton very stony loam, 8 to 25 percent slopes	HvD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Moderate	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.25	0.10	Holly silt loam	Hy	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	6
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	3.36	4.48	Klinesville very stony silt loam, 25 to 80 percent slopes	KvF	Not prime farmland	53	Low	Not hydric	Somewhat excessively drained	Poor	Severe	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	3.44	3.19	Laidig very stony loam, 3 to 8 percent slopes	LdB	Not prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.33	0.34	Laidig very stony loam, 8 to 25 percent slopes	LdD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.37	1.48	Leck kill very stony loam, 8 to 25 percent slopes	LkD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.56	0.83	Leck kill very stony loam, 25 to 100 percent slopes	LkF	Not prime farmland	45	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.39	1.60	Lickdale and Tughill very stony loams, 0 to 8 percent slopes	LtA	Not prime farmland	3	High	All hydric	Very poorly drained	Poor	Moderate	5
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	3.90	7.17	Meckesville very stony loam, 0 to 8 percent slopes	McB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Moderate	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.95	0.95	Meckesville very stony loam, 8 to 25 percent slopes	McD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	1.53	1.01	Papakating silty clay loam	Pa	Not prime farmland	1	High	All hydric	Very poorly drained	Poor	Slight	8
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	2.86	3.28	Shelmadine very stony silt loam, 0 to 8 percent slopes	Smb	Not prime farmland	4	High	All hydric	Poorly drained	Poor	Moderate	7
PennEast Mainline	Carbon	Penn Forest Twp	Pennsylvania	0.40	0.26	Tioga and Middlebury very stony loams, 0 to 8 percent slopes	TmB	Not prime farmland	4	Low	Partially hydric	Well drained	Good	Slight	7
PennEast Mainline															

Appendix 6

Soil Map Units Crossed by the Construction and Operation of the Project Pipeline Facilities and Important Soil Attributes

Facility	County	Municipality	State	Permanent Impacts <sup>1</sup> (acres)	Temporary Impacts <sup>1</sup> (acres)	Soil Map Unit Name	Soil Map Unit Key	Prime Farmland <sup>2</sup>	Slope <sup>3</sup>	Compaction Potential <sup>4</sup>	Hydic Classification <sup>5</sup>	Drainage Classification <sup>6</sup>	Revegetation Potential <sup>7</sup>	Water Erosion Potential <sup>8</sup>	Wind Erosion Potential <sup>9</sup>
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.10	0.50	Allenwood gravelly silty clay loam, 8 to 15 percent slopes, severely eroded	AmC3	Not prime farmland	12	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.45	0.23	Alvira and Shelmadine silt loams, 0 to 3 percent slopes	AsA	Farmland of statewide importance	2	High	Partially hydric	Poorly drained	Poor	Slight	8
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	1.79	1.36	Alvira and Shelmadine very stony silt loams, 0 to 8 percent slopes	AtB	Not prime farmland	4	High	Partially hydric	Poorly drained	Poor	Moderate	7
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.97	0.00	Hartleton channery silt loam, 0 to 3 percent slopes	HaA	Farmland of statewide importance	2	Low	Not hydric	Well drained	Fair	Slight	5
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	1.56	1.63	Hartleton channery silt loam, 3 to 8 percent slopes, moderately eroded	HaB2	Farmland of statewide importance	6	Low	Not hydric	Well drained	Fair	Slight	5
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.19	0.18	Hartleton channery silt loam, 8 to 15 percent slopes, moderately eroded	HaC2	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Moderate	5
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.18	0.30	Hartleton channery silt loam, 8 to 15 percent slopes, severely eroded	HaC3	Not prime farmland	12	Low	Not hydric	Well drained	Poor	Moderate	5
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.39	0.25	Holly silt loam	Hy	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.91	0.97	Klinesville channery silt loam, 3 to 8 percent slopes, moderately eroded	KcB2	Farmland of statewide importance	6	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	1.90	3.26	Klinesville channery silt loam, 8 to 15 percent slopes, moderately eroded	KcC2	Farmland of statewide importance	12	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	2.03	2.76	Klinesville channery silt loam, 8 to 15 percent slopes, severely eroded	KcC3	Not prime farmland	12	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.92	0.98	Klinesville channery silt loam, 15 to 25 percent slopes, moderately eroded	KcD2	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	1.92	2.90	Klinesville channery silt loam, 15 to 25 percent slopes, severely eroded	KcD3	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	7
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.10	0.20	Klinesville channery silt loam, 25 to 35 percent slopes, moderately eroded	KcE2	Not prime farmland	30	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	1.16	1.56	Klinesville channery silt loam, 25 to 35 percent slopes, severely eroded	KcE3	Not prime farmland	30	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.25	0.39	Klinesville channery silt loam, 35 to 80 percent slopes	KcF	Not prime farmland	58	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.66	1.47	Leck kill channery silt loam, 3 to 8 percent slopes, moderately eroded	LeB2	All areas are prime farmland	6	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	1.13	2.35	Leck kill channery silt loam, 8 to 15 percent slopes, moderately eroded	LeC2	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.08	0.14	Leck kill channery silt loam, 8 to 15 percent slopes, severely eroded	LeC3	Not prime farmland	12	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.13	0.07	Leck kill channery silt loam, 15 to 25 percent slopes, severely eroded	LeD3	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.50	0.37	Middlebury silt loam, 3 to 8 percent slopes	MdB	All areas are prime farmland	2	Moderate	Partially hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	4.77	5.88	Montevallo channery silt loam, 3 to 8 percent slopes, moderately eroded	MoB2	Farmland of statewide importance	6	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	4.14	4.61	Montevallo channery silt loam, 8 to 15 percent slopes, moderately eroded	MoC2	Not prime farmland	12	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	4.41	3.56	Montevallo channery silt loam, 15 to 25 percent slopes, moderately eroded	MoD2	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.05	0.14	Montevallo channery silt loam, 15 to 25 percent slopes, severely eroded	MoD3	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	2.00	2.43	Montevallo channery silt loam, 25 to 35 percent slopes, moderately eroded	MoE2	Not prime farmland	30	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.68	0.00	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Carbon	Towamensing Twp	Pennsylvania	0.17	0.48	Watson silt loam, 3 to 8 percent slopes, moderately eroded	WsB2	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.47	0.58	Albrights very stony loam, 0 to 8 percent slopes	AcB	Not prime farmland	4	Moderate	Partially hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.74	0.76	Comly silt loam, 3 to 8 percent slopes, moderately eroded	CmB2	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.34	0.78	Dekalb very stony loam, 25 to 100 percent slopes	DeF	Not prime farmland	53	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.62	0.65	Fleetwood sandy loam, 8 to 15 percent slopes, moderately eroded	FiC2	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	3
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	1.53	1.72	Fleetwood very stony loam, shallow, 25 to 100 percent slopes	FvF	Not prime farmland	53	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.48	0.49	Fleetwood very stony sandy loam, 0 to 8 percent slopes	FwB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	5
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	2.06	2.45	Fleetwood very stony sandy loam, 8 to 25 percent slopes	FwD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	1.08	1.54	Hartleton channery silt loam, 3 to 8 percent slopes, moderately eroded	HaB2	Farmland of statewide importance	6	Low	Not hydric	Well drained	Fair	Slight	5
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.68	0.62	Holly silt loam	Hy	Not prime farmland	2	High	All hydric	Poorly drained	Poor	Slight	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	1.16	1.34	Klinesville channery silt loam, 3 to 8 percent slopes, moderately eroded	KcB2	Farmland of statewide importance	6	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.66	0.87	Klinesville channery silt loam, 8 to 15 percent slopes, severely eroded	KcC3	Not prime farmland	12	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.33	0.62	Klinesville channery silt loam, 15 to 25 percent slopes, severely eroded	KcD3	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	7
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.49	0.44	Meckesville channery loam, 8 to 15 percent slopes, moderately eroded	MbC2	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	6.82	6.18	Meckesville very stony loam, 8 to 25 percent slopes	McD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.63	0.84	Montevallo channery silt loam, 3 to 8 percent slopes, moderately eroded	MoB2	Farmland of statewide importance	6	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.69	0.89	Montevallo channery silt loam, 8 to 15 percent slopes, moderately eroded	MoC2	Not prime farmland	12	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	1.15	1.23	Montevallo channery silt loam, 15 to 25 percent slopes, moderately eroded	MoD2	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	1.12	1.63	Montevallo channery silt loam, 25 to 35 percent slopes, moderately eroded	MoE2	Not prime farmland	30	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.55	0.56	Montevallo channery silt loam, 35 to 100 percent slopes, eroded	MoF2	Not prime farmland	58	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Carbon	Lower Towamensing Twp	Pennsylvania	0.08	0.04	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Monroe	Eldred Twp	Pennsylvania	0.23	0.53	Dekalb extremely stony loam, 0 to 8 percent slopes	DxB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	8
PennEast Mainline	Monroe	Eldred Twp	Pennsylvania	0.77	1.54	Dekalb extremely stony loam, 25 to 80 percent slopes	DxE	Not prime farmland	53	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Monroe	Eldred Twp	Pennsylvania	0.13	0.07	Meckesville very stony loam, 8 to 25 percent slopes	McD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
PennEast Mainline	Monroe	Eldred Twp	Pennsylvania	0.00	0.03	Meckesville gravelly loam, 8 to 15 percent slopes	MeC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Monroe	Eldred Twp	Pennsylvania	2.99	4.00	Meckesville very stony loam, 8 to 25 percent slopes	MfC	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Monroe	Eldred Twp	Pennsylvania	0.21	0.36	Weikert and Klinesville soils, steep	WKE	Not prime farmland	53	Low	Not hydric	Somewhat excessively drained	Poor	Severe	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	1.34	2.82	Allenwood silt loam, 3 to 8 percent slopes	AfB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.18	0.01	Andover-Buchanan gravelly loams, 0 to 3 percent slopes	AnA	Not prime farmland	2	High	Partially hydric	Poorly drained	Poor	Slight	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.33	0.07	Andover-Buchanan gravelly loams, 3 to 8 percent slopes	AnB	Not prime farmland	6	High	Partially hydric	Poorly drained	Poor	Moderate	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.42	0.28	Andover-Buchanan gravelly loams, 0 to 8 percent slopes, extremely stony	AoB	Not prime farmland	4	High	Partially hydric	Poorly drained	Poor	Slight	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	1.94	2.76	Bedington-Berks complex, 3 to 8 percent slopes	BfB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	1.98	2.56	Berks-Weikert complex, 0 to 3 percent slopes	BkA	Farmland of statewide importance	2	Low	Not hydric	Well drained	Fair	Slight	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	11.72	18.83	Berks-Weikert complex, 3 to 8 percent slopes	BkB	Farmland of statewide importance	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	5.96	9.72	Berks-Weikert complex, 8 to 15 percent slopes	BkC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	3.63	5.75	Berks-Weikert complex, 15 to 25 percent slopes	BkD	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	2.09	2.48	Berks-Weikert complex, 25 to 60 percent slopes	BkF	Not prime farmland	43	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.84	0.95	Brinkerton-Comly silt loams, 0 to 3 percent slopes	BtA	Not prime farmland	2	High	Partially hydric	Poorly drained	Poor	Slight	5
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.32	0.20	Brinkerton-Comly silt loams, 3 to 8 percent slopes	BtB	Not prime farmland	6	High	Partially hydric	Poorly drained	Poor	Moderate	5
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	2.23	1.47	Buchanan gravelly loam, 3 to 8 percent slopes	BuB	All areas are prime farmland	6	Moderate	Not hydric	Moderately well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	1.41	1.32	Buchanan gravelly loam, 0 to 8 percent slopes, extremely stony	BvB	Not prime farmland	4	Moderate	Not hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	4.09	5.81	Comly silt loam, 3 to 8 percent slopes	CpB	All areas are prime farmland	6	Moderate	Not hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.36	0.30	Comly silt loam, 0 to 8 percent slopes, extremely stony	CrB	Not prime farmland	4	Moderate	Not hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.01	0.03	Dekalb extremely stony loam, 0 to 8 percent slopes	DxB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.23	0.50	Hazleton very channery loam, 0 to 8 percent slopes, extremely stony	HeB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Slight	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.15	0.50	Hazleton very channery loam, 8 to 25 percent slopes, extremely stony	HeD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.83	1.25	Hazleton-Rubble land complex, 25 to 60 percent slopes	HgF	Not prime farmland	43	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.22	0.26	Holly silt loam	Ho	Farmland of statewide importance	2	High	All hydric	Poorly drained	Poor	Slight	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.15	0.24	Laidig very gravelly loam, 0 to 8 percent slopes, extremely stony	LbB	Not prime farmland	4	Low	Not hydric	Well drained	Poor	Moderate	5
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.68	1.13	Laidig very gravelly loam, 8 to 25 percent slopes, extremely stony	LbD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.43	0.66	Laidig very gravelly loam, 25 to 65 percent slopes, extremely stony	LbF	Not prime farmland	45	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.19	0.08	Udorthents, shale and sandstone, 8 to 25 percent slopes	UhD	Not prime farmland	18	Moderate	Not hydric	Moderately well drained	Poor	Severe	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.00	0.00	Urban land, 0 to 8 percent slopes	UkaB	Not prime farmland	4		Not hydric		Poor	Not rated	N/A
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.51	0.35	Urban land-Udorthents, shale and sandstone complex, 0 to 8 percent slopes	UusB	Not prime farmland	4		Not hydric		Poor	Moderate	8
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	0.12	0.17	Weikert-Berks complex, 3 to 8 percent slopes	WkB	Farmland of statewide importance	6	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Northampton	Moore Twp	Pennsylvania	1.81	2.46	Weikert-Berks complex, 15 to 25 percent slopes	WkD	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Northampton	East Allen Twp	Pennsylvania	2.66	3.99	Bedington-Berks complex, 3 to 8 percent slopes	BfB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	East Allen Twp	Pennsylvania	0.42	0.65	Berks-Weikert complex, 0 to 3 percent slopes	Bk								

## Appendix 6

## Soil Map Units Crossed by the Construction and Operation of the Project Pipeline Facilities and Important Soil Attributes

Facility	County	Municipality	State	Permanent Impacts <sup>1</sup> (acres)	Temporary Impacts <sup>1</sup> (acres)	Soil Map Unit Name	Soil Map Unit Key	Prime Farmland <sup>2</sup>	Slope <sup>3</sup>	Compaction Potential <sup>4</sup>	Hydic Classification <sup>5</sup>	Drainage Classification <sup>6</sup>	Revegetation Potential <sup>7</sup>	Water Erosion Potential <sup>8</sup>	Wind Erosion Potential <sup>9</sup>
PennEast Mainline	Northampton	East Allen Twp	Pennsylvania	0.07	0.11	Weikert-Berks complex, 3 to 8 percent slopes	WkB	Farmland of statewide importance	6	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Northampton	East Allen Twp	Pennsylvania	0.18	0.26	Weikert-Berks complex, 15 to 25 percent slopes	WkD	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.00	0.00	Berks-Weikert complex, 8 to 15 percent slopes	BkC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Moderate	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.11	0.10	Berks-Weikert complex, 25 to 60 percent slopes	BkF	Not prime farmland	43	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.18	0.13	Brinkerton-Comly silt loams, 0 to 3 percent slopes	BtA	Not prime farmland	2	High	Partially hydric	Poorly drained	Poor	Slight	5
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	1.20	1.27	Clarksburg silt loam, 0 to 3 percent slopes	CIA	All areas are prime farmland	2	Moderate	Not hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	2.44	3.41	Clarksburg silt loam, 3 to 8 percent slopes	CIB	All areas are prime farmland	6	Moderate	Not hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	2.20	3.71	Comly silt loam, 0 to 3 percent slopes	CpA	All areas are prime farmland	2	Moderate	Not hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.27	0.29	Duffield silt loam, 0 to 3 percent slopes	DuA	All areas are prime farmland	2	Low	Not hydric	Well drained	Good	Slight	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	2.15	3.90	Duffield silt loam, 3 to 8 percent slopes	DuB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.28	0.26	Holly silt loam	Ho	Farmland of statewide importance	2	High	All hydric	Poorly drained	Poor	Slight	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.92	1.13	Ryder-Duffield silt loams, 3 to 8 percent slopes	RyB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	1.24	2.09	Urban land-Duffield complex, 0 to 8 percent slopes	UoB	Not prime farmland	4		Not hydric		Poor	Moderate	N/A
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.54	1.20	Washington silt loam, 0 to 3 percent slopes	WaA	All areas are prime farmland	2	Low	Not hydric	Well drained	Good	Slight	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	5.10	7.35	Washington silt loam, 3 to 8 percent slopes	WaB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.55	0.69	Weikert-Berks complex, 3 to 8 percent slopes	WkB	Farmland of statewide importance	6	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.45	0.65	Weikert-Berks complex, 8 to 15 percent slopes	WkC	Not prime farmland	12	Low	Not hydric	Somewhat excessively drained	Poor	Moderate	6
PennEast Mainline	Northampton	Upper Nazareth Twp	Pennsylvania	0.37	0.53	Weikert-Berks complex, 15 to 25 percent slopes	WkD	Not prime farmland	20	Low	Not hydric	Somewhat excessively drained	Poor	Severe	6
PennEast Mainline	Northampton	Lower Nazareth Twp	Pennsylvania	0.39	0.44	Clarksburg silt loam, 0 to 3 percent slopes	CIA	All areas are prime farmland	2	Moderate	Not hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Northampton	Lower Nazareth Twp	Pennsylvania	0.01	0.06	Urban land-Duffield complex, 0 to 8 percent slopes	UoB	Not prime farmland	4		Not hydric		Poor	Moderate	N/A
PennEast Mainline	Northampton	Lower Nazareth Twp	Pennsylvania	11.75	16.25	Washington silt loam, 0 to 3 percent slopes	WaA	All areas are prime farmland	2	Low	Not hydric	Well drained	Good	Slight	6
PennEast Mainline	Northampton	Lower Nazareth Twp	Pennsylvania	6.92	11.69	Washington silt loam, 3 to 8 percent slopes	WaB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.46	1.73	Clarksburg silt loam, 0 to 3 percent slopes	CIA	All areas are prime farmland	2	Moderate	Not hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.21	0.00	Delaware fine sandy loam, 0 to 3 percent slopes	DaA	All areas are prime farmland	2	Low	Not hydric	Well drained	Good	Slight	3
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.61	0.00	Fluvaquents	FI	Not prime farmland	1	High	All hydric	Poorly drained	Poor	Slight	5
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.64	0.44	Ryder-Rock outcrop complex, 25 to 75 percent slopes	RzF	Not prime farmland	50	Low	Unknown	Well drained	N/A	Severe	5
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	1.59	2.26	Udorthents, limestone, 0 to 8 percent slopes	UdB	Not prime farmland	4	Moderate	Not hydric	Moderately well drained	Poor	Moderate	4L
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	1.47	1.38	Urban land, 0 to 8 percent slopes	UkaB	Not prime farmland	4		Not hydric		Poor	Not rated	N/A
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.88	1.19	Urban land-Duffield complex, 0 to 8 percent slopes	UoB	Not prime farmland	4		Not hydric		Poor	Moderate	N/A
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	4.69	2.80	Urban land-Udorthents, limestone complex, 0 to 8 percent slopes	UudB	Not prime farmland	4		Not hydric		Poor	Moderate	N/A
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.26	0.29	Urban land-Udorthents, limestone complex, 8 to 25 percent slopes	UudD	Not prime farmland	17		Not hydric		Poor	Severe	N/A
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.14	0.00	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	8.05	20.16	Washington silt loam, 0 to 3 percent slopes	WaA	All areas are prime farmland	2	Low	Not hydric	Well drained	Good	Slight	6
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	5.71	14.27	Washington silt loam, 3 to 8 percent slopes	WaB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Bethlehem Twp	Pennsylvania	0.13	0.00	Washington silt loam, 8 to 15 percent slopes	WaC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.80	0.67	Califon loam, 3 to 8 percent slopes	CaB	All areas are prime farmland	5	Moderate	Not hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.05	0.00	Delaware fine sandy loam, 0 to 3 percent slopes	DaA	All areas are prime farmland	2	Low	Not hydric	Well drained	Good	Slight	3
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.05	0.00	Gibraltar silt loam	Gb	Farmland of statewide importance	1	Low	Not hydric	Well drained	Fair	Slight	5
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	1.91	1.18	Gladstone gravelly loam, 3 to 8 percent slopes	GIB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.89	1.55	Gladstone gravelly loam, 8 to 15 percent slopes	GIC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.39	0.00	Gladstone-Parker gravelly loams, 15 to 25 percent slopes	GnD	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.41	0.00	Ryder-Rock outcrop complex, 25 to 75 percent slopes	RzF	Not prime farmland	50	Low	Unknown	Well drained	N/A	Severe	5
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.66	1.57	Udorthents, limestone, 0 to 8 percent slopes	UdB	Not prime farmland	4	Moderate	Not hydric	Moderately well drained	Poor	Moderate	4L
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.73	0.00	Urban land-Udorthents, limestone complex, 8 to 25 percent slopes	UudD	Not prime farmland	17		Not hydric		Poor	Severe	N/A
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.17	0.00	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	1.29	0.00	Washington silt loam, 8 to 15 percent slopes	WaC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Northampton	Lower Saucon Twp	Pennsylvania	0.21	0.00	Washington silt loam, 15 to 25 percent slopes	WaD	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	4.60	4.65	Califon loam, 3 to 8 percent slopes	CaB	All areas are prime farmland	5	Moderate	Not hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	1.18	1.41	Califon loam, 0 to 8 percent slopes, extremely stony	CbB	Not prime farmland	5.2	Moderate	Not hydric	Moderately well drained	Poor	Moderate	8
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	0.68	1.02	Clarksburg silt loam, 0 to 3 percent slopes	CIA	All areas are prime farmland	2	Moderate	Not hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	1.45	0.89	Cokesbury silt loam, 3 to 8 percent slopes	CnB	Not prime farmland	5	High	All hydric	Poorly drained	Poor	Moderate	8
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	2.03	1.10	Cokesbury-Califon channery silt loams, 0 to 8 percent slopes, very stony	CoB	Not prime farmland	4	High	Partially hydric	Poorly drained	Poor	Moderate	8
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	2.25	3.58	Gladstone gravelly loam, 3 to 8 percent slopes	GIB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	4.30	5.49	Gladstone gravelly loam, 8 to 15 percent slopes	GIC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	1.98	1.82	Gladstone gravelly loam, 8 to 25 percent slopes, very bouldery	GmD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	0.84	1.17	Gladstone gravelly loam, 25 to 55 percent slopes, very bouldery	GmF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	1.25	1.88	Gladstone-Parker gravelly loams, 15 to 25 percent slopes	GnD	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	5
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	0.30	0.39	Middlebury silt loam	Mb	All areas are prime farmland	2	Moderate	Not hydric	Moderately well drained	Fair	Slight	5
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	0.00	0.04	Urban land-Udorthents, schist and gneiss complex, 8 to 25 percent slopes	UupD	Not prime farmland	17		Not hydric		Poor	Severe	N/A
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	0.61	0.45	Washington silt loam, 3 to 8 percent slopes	WaB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Northampton	Williams Twp	Pennsylvania	0.41	0.75	Washington silt loam, 8 to 15 percent slopes	WaC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.52	2.01	Alton gravelly loam, 3 to 8 percent slopes	AIB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.83	1.09	Clarksburg silt loam, 3 to 8 percent slopes	CmB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.68	0.00	Delaware fine sandy loam, 0 to 3 percent slopes	DaA	All areas are prime farmland	2	Low	Partially hydric	Well drained	Good	Slight	3
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.41	0.75	Duffield-Ryder silt loams, 8 to 15 percent slopes	DgC	Farmland of statewide importance	12	Low	Partially hydric	Well drained	Poor	Severe	6
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.09	0.38	Gladstone gravelly loam, 3 to 8 percent slopes	GIB	All areas are prime farmland	6	Low	Partially hydric	Well drained	Fair	Moderate	5
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.47	1.34	Gladstone gravelly loam, 8 to 15 percent slopes	GIC	Farmland of statewide importance	12	Low	Partially hydric	Well drained	Poor	Severe	5
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.00	0.05	Gladstone gravelly loam, 8 to 25 percent slopes, very bouldery	GmD	Not prime farmland	17	Low	Partially hydric	Well drained	Poor	Severe	8
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	1.59	1.92	Glenville silt loam, 3 to 8 percent slopes	GrB	All areas are prime farmland	6	Moderate	Partially hydric	Moderately well drained	Fair	Moderate	5
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.43	0.16	Pits, quarry	Pr	Not prime farmland	0		Not hydric		N/A	Not rated	N/A
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.19	0.00	Water	W	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	3.42	6.23	Washington silt loam, 3 to 8 percent slopes	WaB	All areas are prime farmland	6	Low	Partially hydric	Well drained	Fair	Moderate	6
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.64	1.11	Washington silt loam, 8 to 15 percent slopes	WaC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	6
PennEast Mainline	Bucks	Durham Twp	Pennsylvania	0.09	0.00	Water	WATER	Not prime farmland	0		Unknown		N/A	Not rated	N/A
PennEast Mainline	Bucks	Riegelsville Boro	Pennsylvania	0.00	0.01	Duffield-Ryder silt loams, 8 to 15 percent slopes	DgC	Farmland of statewide importance	12	Low	Partially hydric	Well drained	Poor	Severe	6
PennEast Mainline	Bucks	Riegelsville Boro	Pennsylvania	1.37	2.15	Washington silt loam, 3 to 8 percent slopes	WaB	All areas are prime farmland	6	Low	Partially hydric	Well drained	Fair	Moderate	6
Blue Mountain Lateral	Carbon	Lower Towamensing Twp	Pennsylvania	0.15	0.09	Buchanan very stony loam, 8 to 25 percent slopes	BhD	Not prime farmland	17	Moderate	Partially hydric	Moderately well drained	Poor	Severe	7
Blue Mountain Lateral	Carbon	Lower Towamensing Twp	Pennsylvania	0.67	0.22	Klinesville very stony silt loam, 25 to 80 percent slopes	KvF	Not prime farmland	53	Low	Not hydric	Somewhat excessively drained	Poor	Severe	7
Blue Mountain Lateral	Carbon	Lower Towamensing Twp	Pennsylvania	2.16	2.30	Meckesville very stony loam, 8 to 25 percent slopes	McD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	7
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.14	0.39	Califon loam, 3 to 8 percent slopes	CaB	All areas are prime farmland	5	Moderate	Not hydric	Moderately well drained	Fair	Moderate	5
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.56	0.91	Cokesbury silt loam, 3 to 8 percent slopes	CnB	Not prime farmland	5	High	All hydric	Poorly drained	Poor	Moderate	8
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	1.91	2.32	Gladstone gravelly loam, 3 to 8 percent slopes	GIB	All areas are prime farmland	6	Low	Not hydric	Well drained	Fair	Moderate	5
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	2.42	3.33	Gladstone gravelly loam, 8 to 15 percent slopes	GIC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	5
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.68	0.98	Gladstone gravelly loam, 8 to 25 percent slopes, very bouldery	GmD	Not prime farmland	17	Low	Not hydric	Well drained	Poor	Severe	8
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	3.68	4.77	Gladstone gravelly loam, 25 to 55 percent slopes, very bouldery	GmF	Not prime farmland	38	Low	Not hydric	Well drained	Poor	Severe	8
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.79	1.01	Gladstone-Parker gravelly loams, 15 to 25 percent slopes	GnD	Not prime farmland	20	Low	Not hydric	Well drained	Poor	Severe	5
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.69	0.81	Ryder-Rock outcrop complex, 25 to 75 percent slopes	RzF	Not prime farmland	50	Low	Unknown	Well drained	N/A	Severe	5
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.03	0.01	Udorthents, limestone, 0 to 8 percent slopes	UdB	Not prime farmland	4	Moderate	Not				

**Appendix 6**  
**Soil Map Units Crossed by the Construction and Operation of the Project Pipeline Facilities and Important Soil Attributes**

Facility	County	Municipality	State	Permanent Impacts <sup>1</sup> (acres)	Temporary Impacts <sup>1</sup> (acres)	Soil Map Unit Name	Soil Map Unit Key	Prime Farmland <sup>2</sup>	Slope <sup>3</sup>	Compaction Potential <sup>4</sup>	Hydric Classification <sup>5</sup>	Drainage Classification <sup>6</sup>	Revegetation Potential <sup>7</sup>	Water Erosion Potential <sup>8</sup>	Wind Erosion Potential <sup>9</sup>
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.00	0.01	Urban land-Udorthents, schist and gneiss complex, 0 to 8 percent slopes	UupB	Not prime farmland	4		Not hydric		Poor	Moderate	N/A
Hellertown Lateral	Northampton	Lower Saucon Twp	Pennsylvania	0.81	1.07	Washington silt loam, 8 to 15 percent slopes	WaC	Farmland of statewide importance	12	Low	Not hydric	Well drained	Poor	Severe	6

**Notes:**

- All units in acres and rounded to the nearest 0.1. The totals shown in this table may not equal the sum of addends due to rounding.
- As defined by the U.S. Department of Agriculture (USDA)
- Inclination of the soil from horizontal and measured in percent
- Potential for mechanical activities to compact soils
- As defined by USDA Natural Resources Conservation Services and based on potential to develop anaerobic conditions in the upper part. Hydric –anaerobic conditions; Partially Hydric - Potential anaerobic conditions are present; and Not Hydric – anaerobic conditions are not present
- High = poorly drained, very poorly drained; Moderate = somewhat poorly drained, moderately well drained; Low = well drained, somewhat excessively drained, excessively drained
- Revegetation Potential estimated using NRCS Non-irrigated Capability Class. Capability Class 1 = Good, 2 = Fair, ≥ 3 = Poor
- Water Erosion Potential estimated using NRCS classifications low (minor risk), moderate (contains certain undesirable properties), severe (unacceptable risk)
- Erodibility Groups 1-8 with Group 1 having the highest erodibility potential and Group 8 the least erodibility potential