TABLE 3.2-6
Acreage of Soil Limitations for Each Soil Series[1]
Umatilla Generating Project

Soil Series	Map Symbol	Slope	Total Acres	Water Erosion Hazard			Wind Erosion Hazard			Shallow-to-Bedrock	Rock in Subsoil[2]	Excessively Droughty	Prime Farmland	Compaction
				Slight	Moderate	High	Moderate	High	Very High					
Natural Gas Pipeline 400-foot-Wide Corridor - GTN Alternative 1														
Adkins fine sandy loam	1b	0 - 5	80.546	80.546			80.546					80.546	80.546	
Quincy fine sand	74b	0 - 5	4.838	4.838					4.838			4.838		
Quincy loamy fine sand	75b	0 - 5	26.831	26.831				26.831				26.831		
Quincy loamy fine sand	75e	5 - 25	28.971	28.971				28.971				28.971		
Quincy loamy fine sand, gravelly substratum	76b	0 - 5	53.921	53.921				53.921			53.921	53.921		
Quincy loamy fine sand - Eroded	77c	0 - 25	3.679	3.679					3.679			3.679		
Taunton fine sandy loam	95b	1 - 7	22.254	22.254			22.254					22.254		
Pipeline Project Total Acreage			221.040	221.040	0.000	0.000	102.800	109.723	8.517	0.000	53.921	221.040	80.546	0.000
Percent of Pipeline Total Acreage				100.0	0.0	0.0	46.5	49.6	3.9	0.0	24.4	100.0	36.4	0.0
Natural Gas Pipeline 400-foot-Wide Corridor - GTN Alternative 2														
Adkins fine sandy loam	1b	0 - 5	32.601	32.601			32.601					32.601	32.601	
Quincy fine sand	74b	0 - 5	1.958	1.958					1.958			1.958		
Quincy loamy fine sand	75b	0 - 5	16.582	16.582				16.582				16.582		
Quincy loamy fine sand	75e	5 - 25	11.726	28.976				11.726				11.726		
Quincy loamy fine sand, gravelly substratum	76b	0 - 5	23.6	23.6				23.6			23.6	23.6		
Quincy loamy fine sand - Eroded	77c	0 - 25	1.489	1.489					1.489			1.489		
Taunton fine sandy loam	95b	1 - 7	9.009	9.009			9.009					9.009		
Pipeline Project Total Acreage			96.919	96.919	0.000	0.000	41.610	51.862	3.447	0.000	23.554	96.919	32.601	0.000
Percent of Pipeline Total Acreage				100.0	0.0	0.0	42.9	53.5	3.6	0.0	24.3	100.0	33.6	0.0
Natural Gas Pipeline 400-foot-Wide Corridor - CNG Alternative														
Adkins fine sandy loam	1b	0 - 5	72.083	72.083			72.083					72.083	72.083	
Quincy fine sand	74b	0 - 5	4.838	4.838					4.838			4.838		
Quincy loamy fine sand	75e	5 - 25	28.971	28.971				28.971				28.971		
Quincy loamy fine sand - Eroded	77c	0 - 25	3.679	3.679					3.679			3.679		
Pipeline Project Total Acreage			109.571	109.571	0.000	0.000	72.083	28.971	8.517	0.000	0.000	109.571	72.083	0.000
Percent of Pipeline Total Acreage				100.0	0.0	0.0	65.8	26.4	7.8	0.0	0.0	100.0	65.8	0.0
Electrical Transmission Line 200-foot-Wide Corridor - 230kV Connection														
Adkins fine sandy loam	1b	0 - 5	2.016	2.016			2.016					2.016	2.016	
Adkins fine sandy loam, gravelly substratum	2b	0 - 5	11.177	11.177			11.177				11.177	11.177	11.177	
Adkins fine sandy loam, gravelly substratum	2c	5 - 25	10.507		10.507		10.507				10.507	10.507		
Burbank loamy fine sand	14b	0 - 5	116.609	116.609				116.609			116.609	116.609		
Gravel pits	70	--	6.790											
Quincy fine sand	74b	0 - 5	15.279	15.279					15.279			15.279		
Quincy loamy fine sand	75b	0 - 5	30.891	30.891				30.891				30.891		
Quincy loamy fine sand	75e	5 - 25	8.291	8.291				8.291				8.291		
Quincy loamy fine sand, gravelly substratum	76b	0 - 5	60.743	60.743				60.743			60.743	60.743		
Xerofluvents	126a	0 - 3	0.620	0.620										
Xerollic Durorthids	127f	30 - 60	1.090			1.090	1.090					1.090		
Transmission Line Project Total Acreage			264.013	245.626	10.507	1.090	24.790	216.534	15.279	0.000	199.036	256.603	13.193	0.000
Percent of Transmission Line Total Acreage				93.0	4.0	0.4	9.4	82.0	5.8	0.0	75.4	97.2	5.0	0.0

TABLE 3.2-6
Acreage of Soil Limitations for Each Soil Series[1]
Umatilla Generating Project

Soil Series	Map Symbol	Slope	Total Acres	Water Erosion Hazard			Wind Erosion Hazard			Shallow-to-Bedrock	Rock in Subsoil[2]	Excessively Droughty	Prime Farmland	Compaction
				Slight	Moderate	High	Moderate	High	Very High					
Electrical Transmission Line 200-foot-Wide Corridor - 500 kV Connection														
Adkins fine sandy loam	1b	0 - 5	3.613	3.613			3.613					3.613	3.613	
Adkins fine sandy loam, gravelly substratum	2b	0 - 5	11.906	11.906			11.906				11.906	11.906	11.906	
Adkins fine sandy loam, gravelly substratum	2c	5 - 25	10.507		10.507		10.507				10.507	10.507		
Burbank loamy fine sand	14b	0 - 5	116.609	116.609				116.609			116.609	116.609		
Gravel pits	70	--	6.790											
Quincy fine sand	74b	0 - 5	15.279	15.279					15.279			15.279		
Quincy loamy fine sand	75b	0 - 5	30.891	30.891				30.891				30.891		
Quincy loamy fine sand	75e	5 - 25	8.291	8.291				8.291				8.291		
Quincy loamy fine sand, gravelly substratum	76b	0 - 5	60.743	60.743				60.743			60.743	60.743		
Xerofluvents	126a	0 - 3	0.620	0.620										
Xerollic Durorthids	127f	30 - 60	1.090			1.090	1.090					1.090		
Transmission Line Project Total Acreage			266.339	247.952	10.507	1.090	27.116	216.534	15.279	0.000	199.765	258.929	15.519	0.000
Percent of Transmission Line Total Acreage				93.1	3.9	0.4	10.2	81.3	5.7	0.0	75.0	97.2	5.8	0.0
Reclaimed Water Pipeline														
Adkins fine sandy loam	1b	0 - 5	1.349	1.349			1.349					1.349	1.349	
Quincy loamy fine sand	75b	0 - 5	3.133	3.133				3.133				3.133		
Quincy loamy fine sand - Eroded	77c	0 - 25	21.427	21.427					21.427			21.427		
Taunton fine sandy loam	95b	1 - 7	4.945	4.945			4.945					4.945		
Pipeline Project Total Acreage			30.854	30.854	0.000	0.000	6.294	3.133	21.427	0.000	0.000	30.854	1.349	0.000
Percent of Pipeline Total Acreage				100.0	0.0	0.0	20.4	10.2	69.4	0.0	0.0	100.0	4.4	0.0
Energy Facility 77-Acre Site														
Quincy loamy fine sand, gravelly substratum	76b	0 - 5	31.071	31.071				31.071			31.071	31.071		
Power Plant Total Acreage			31.071[3]	31.071	0.000	0.000	0.000	31.071	0.000	0.000	31.071	31.071	0.000	0.000
Percent of Power Plant Total Acreage				100.0	0.0	0.0	0.0	100.0	0.0	0.0	100.0	100.0	0.0	0.0

Notes:

(1) Refer to Exhibit I, Section I.5.4 "Limitation of Soils" for a discussion of the defining characteristics of the soil limitations.

(2) Because the NRCS soil survey gives a range in percentage of rock present in the subsoil that begins with zero for several of the soil series, some soils may, in fact, not contain rock in the subsoil. Therefore, the total acres of soils with this limitation is probably less than shown on this table. Table I-1 provides the range in rock content, as provided by the NRCS.
will be protected

(3) The total energy facility acreage is 77 acres. However, only 31 acres of the site will be impacted by construction of the energy facility. The remaining 46 acres will be unaffected by the facility.