

Weyerhaeuser Transmission Line

1. Cost to service Dunes area alone as shown on Figure 1

***Growth allowance of 3% per year for 25 years which effectively doubles the 45 lots in the Dunes and 20 lots in Tamerack**

	Length	\$/m	
Supply and Install (plough) 100mm line	6650	50	\$ 332,500
Auger Road Crossing 100mm	50	240	\$ 12,000
Emergency Shut off Control Chamber	1	30000	\$ 30,000
Blow Off Valve	2	2,000	\$ 4,000
Air Release Valve	3	10,000	\$ 30,000
Tie to Existing 1050mm	1	8000	\$ 8,000
Pipe Fittings	1	10000	\$ 10,000
Topsoil and Seeding	16000	2	\$ 32,000
Valves and Valve Boxes	6	600	\$ 3,600
		Subtotal	\$ 462,100
		8% Engineering	\$ 36,968
		Subtotal	\$ 499,068
		30% Contingency	\$ 149,720
		Total	\$ 648,788

2. Cost to install shared line, sized to service both dunes and Weyerhaeuser (shared portion only) Figure 2

***With a 200mm line size for the first 1900m capacity would exist for ultimate development.**

****Growth allowance of 3% per year for 25 years which effectively doubles the 45 lots in the Dunes and 20 lots in Tamerack**

	Length	\$/m	
Clearing and Grubbing	0.4	7000	\$ 2,800
Supply and Install 200mm line by trenching	1900	220	\$ 418,000
Supply and Install (plough)150mm line	4030	55	\$ 221,650
Auger Road Crossing 150mm	90	280	\$ 25,200
Emergency Shut off Control Chamber	1	30000	\$ 30,000
Blow Off Valve	2	2,000	\$ 4,000
Air Release Valve	3	10,000	\$ 30,000
Tie to Existing 1050mm	1	8000	\$ 8,000
Pipe Fittings	1	15000	\$ 15,000
Topsoil and Seeding	16000	2	\$ 32,000
Valves and Valve Boxes	6	900	\$ 5,400
		Subtotal	\$ 792,050
		8% Engineering	\$ 63,364
		Subtotal	\$ 855,414
		30% Contingency	\$ 256,624
		Total	\$ 1,112,038

3. Cost of Dunes Distribution System

Supply and Install (plough) 150mm line	800	55	\$ 44,000
Pipe Fittings	1	15000	\$ 15,000
Topsoil and Seeding	10000	2	\$ 20,000
Valves and Valve Boxes	4	600	\$ 2,400
		Subtotal	\$ 81,400
		8% Engineering	\$ 6,512
		Subtotal	\$ 87,912
		30% Contingency	\$ 26,374
		Total	\$ 114,286

4. Cost from Dunes to Weyerhaeuser

Clearing and Grubbing	0.6	7000	\$	4,200
Supply and Install (plough) 150mm line	2580	55	\$	141,900
Supply and Install (trench gravelly soils) 150mm li	2760	135	\$	372,600
Install PRV's	2	25,000	\$	50,000
Blow Off Valve	2	2,000	\$	4,000
Air Release Valve	2	10,000	\$	20,000
Meter Chamber	1	10,000	\$	10,000
Directional Drill Road Crossing 150mm	70	180	\$	12,600
Tie to Existing Weyerhaeuser Water Dist. System	1	2000	\$	2,000
Pipe Fittings	1	15000	\$	15,000
Topsoil and Seeding	16700	2	\$	33,400
Valves and Valve Boxes	6	900	\$	5,400
		Subtotal	\$	671,100
		8% Engineering	\$	53,688
		Subtotal	\$	724,788
		30% Contingency	\$	217,436
		Total	\$	942,224

