

**2006 GTN Terminal Net Salvage (\$US)**

	Scenario #1	Scenario #2	Scenario #3
	Abandonment	Removal	Application
Pipeline	\$34,213,000	\$400,490,000	\$233,064,000
Compression	\$53,276,200	\$53,794,200	\$53,276,200
Metering	\$6,103,000	\$6,103,000	\$6,103,000
Total	\$93,592,200	\$460,387,200	\$292,443,200

Pipe Removal Length	0 miles	1,455 miles	300 miles
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## Calculations (\$US)

## Application Scenario

GTN

Start Series	NPS	Length (miles)	Above Ground Facilities Weight (Tons)	Removal Length (miles)	Mass (Tons)	Scrap Pipe Cost	Pull Down Gas Cost	Pipe Piggling Cost	Remove Valve Op Cost	Abandon with Nitrogen Cost	Removal Cost	Abandon with Concrete Cost	Access & Land Damages	Contingency	Total Negative Salvage Cost
5002001	36	2.8 mi	7.9 Tons	2.5 mi	882 Tons	(271,320)	16,288	17,007	156,409	14,703	509,269	708,353	148,293	194,850	1,493,853
5002002	42	2.9 mi	10.8 Tons	2.5 mi	1,212 Tons	(372,866)	22,365	22,847	184,364	16,500	560,276	1,258,058	149,726	276,190	2,117,459
5003001	36	19.3 mi	7.9 Tons	8.4 mi	3,013 Tons	(920,857)	113,263	118,266	156,409	154,784	2,050,723	1,624,121	506,477	570,478	4,373,665
5003002	42	19.3 mi	10.8 Tons	8.4 mi	4,082 Tons	(1,247,530)	150,769	154,019	184,364	172,941	2,250,261	2,070,825	504,090	635,961	4,875,698
5003101	36	10.7 mi	7.9 Tons	6.7 mi	2,404 Tons	(735,080)	62,658	65,425	156,409	76,133	1,712,795	680,539	404,032	363,437	2,786,347
5003102	42	10.6 mi	10.8 Tons	6.6 mi	3,243 Tons	(991,777)	82,881	84,667	184,364	85,414	1,891,550	587,009	400,473	348,687	2,673,269
5003201	36	15.9 mi	7.9 Tons	7.8 mi	2,798 Tons	(855,205)	93,689	97,827	156,409	125,460	1,952,481	1,324,609	470,274	504,832	3,870,377
5003202	42	16.0 mi	10.8 Tons	7.7 mi	3,758 Tons	(1,148,910)	124,783	127,473	184,364	141,212	2,181,055	1,511,441	464,135	537,833	4,123,384
5004001	36	12.4 mi	7.9 Tons	15.7 mi	5,620 Tons	(1,715,585)	72,981	76,204	156,409	44,265	3,861,088	1,317,056	944,726	713,572	5,470,716
5004002	42	12.4 mi	10.8 Tons	15.6 mi	7,623 Tons	(2,326,837)	96,459	98,538	184,364	48,983	4,227,778	1,446,734	941,364	707,607	5,424,991
5004101	36	15.8 mi	7.9 Tons	15.6 mi	5,585 Tons	(1,704,927)	92,648	96,740	156,409	76,793	3,842,791	1,664,854	938,849	774,623	5,938,780
5004102	42	15.3 mi	10.8 Tons	15.8 mi	7,727 Tons	(2,358,539)	119,312	121,884	184,364	82,760	4,291,783	1,486,716	954,208	732,373	5,614,862
5004201	36	15.9 mi	7.9 Tons	11.3 mi	4,061 Tons	(1,240,238)	93,717	97,857	156,409	107,257	2,766,143	1,081,991	682,598	561,860	4,307,595
5004202	42	16.2 mi	10.8 Tons	11.9 mi	5,794 Tons	(1,769,302)	126,397	129,122	184,364	119,516	3,193,580	1,206,689	715,483	585,877	4,491,725
5005001	36	10.5 mi	7.9 Tons	9.6 mi	3,435 Tons	(1,049,478)	61,881	64,614	156,409	58,475	2,297,423	941,645	577,405	466,256	3,574,630
5005002	42	10.5 mi	10.8 Tons	9.6 mi	4,673 Tons	(1,427,568)	81,965	83,732	184,364	65,156	2,563,063	870,368	577,031	449,717	3,447,828
5005003	42	10.6 mi	10.8 Tons	9.5 mi	4,664 Tons	(1,424,884)	82,785	84,569	184,364	65,633	2,666,684	1,327,868	575,944	534,444	4,097,407
5005101	36	11.1 mi	7.9 Tons	5.5 mi	1,990 Tons	(608,843)	65,148	68,026	156,409	86,067	1,600,661	1,337,318	334,419	455,881	3,495,085
5005102	42	11.1 mi	10.8 Tons	7.6 mi	3,717 Tons	(1,136,409)	86,605	88,471	184,364	84,168	2,196,572	1,228,691	459,070	478,730	3,670,262
5005103	42	11.2 mi	10.8 Tons	7.7 mi	3,743 Tons	(1,144,237)	87,615	89,503	184,364	83,769	2,497,366	1,982,509	462,242	636,470	4,879,600
5005201	36	7.9 mi	7.9 Tons	9.9 mi	3,555 Tons	(1,086,039)	46,655	48,716	156,409	26,549	2,977,174	1,398,260	597,566	624,793	4,790,083
5005202	42	7.9 mi	10.8 Tons	9.9 mi	4,833 Tons	(1,476,340)	61,758	63,089	184,364	29,517	3,275,136	1,586,475	596,791	648,118	4,968,908
5005211	36	8.7 mi	7.9 Tons	5.9 mi	2,106 Tons	(644,455)	51,284	53,549	156,409	59,667	1,501,490	943,555	354,057	371,333	2,846,889
5005212	42	8.7 mi	10.8 Tons	6.8 mi	3,301 Tons	(1,009,518)	68,245	69,716	184,364	61,700	1,851,520	912,709	407,661	381,959	2,928,355
5005301	36	19.8 mi	7.9 Tons	0.3 mi	123 Tons	(39,750)	116,603	121,754	156,409	209,643	338,842	764,073	20,595	253,225	1,941,394
5005302	42	19.8 mi	10.8 Tons	0.4 mi	187 Tons	(60,183)	154,806	158,143	184,364	234,122	343,747	816,457	23,044	278,175	2,132,675
5006001	36	16.9 mi	7.9 Tons	0.2 mi	81 Tons	(27,014)	99,297	103,683	156,409	178,717	179,437	902,782	13,572	241,032	1,847,914
5006002	42	16.9 mi	10.8 Tons	0.2 mi	94 Tons	(31,956)	131,839	134,681	184,364	199,938	177,530	964,323	11,608	265,849	2,038,176
5006101	36	18.9 mi	7.9 Tons	0.1 mi	33 Tons	(12,399)	111,325	116,243	156,409	202,421	165,089	441,816	5,513	177,962	1,364,379
5006102	42	18.9 mi	10.8 Tons	0.1 mi	38 Tons	(14,967)	147,778	150,963	184,364	225,991	165,265	542,371	4,725	210,973	1,617,462
5006201	36	19.1 mi	7.9 Tons	0.1 mi	18 Tons	(7,931)	112,569	117,541	156,409	203,234	108,412	1,194,027	3,048	283,097	2,170,407
5006202	42	19.2 mi	10.8 Tons	0.1 mi	41 Tons	(15,820)	149,486	152,708	184,364	227,125	123,836	1,229,366	5,070	308,420	2,364,557
5006301	36	15.9 mi	7.9 Tons	0.2 mi	66 Tons	(22,396)	93,550	97,682	156,409	167,309	81,130	365,894	11,025	142,590	1,093,194
5006302	42	14.9 mi	10.8 Tons	0.1 mi	64 Tons	(22,742)	116,556	119,068	184,364	178,087	89,446	468,211	7,875	171,130	1,311,994
5007001	36	12.8 mi	7.9 Tons	0.1 mi	33 Tons	(12,399)	75,367	78,696	156,409	137,503	105,317	88,364	5,513	95,215	729,984
5007002	42	12.8 mi	10.8 Tons	0.1 mi	45 Tons	(16,911)	100,125	102,283	184,364	153,770	114,119	94,227	5,513	110,623	848,113
5007101	36	16.8 mi	7.9 Tons	0.1 mi	37 Tons	(13,827)	99,060	103,436	156,409	179,854	117,517	417,955	6,300	160,005	1,226,707
5007102	42	16.8 mi	10.8 Tons	0.1 mi	51 Tons	(18,855)	131,415	134,248	184,364	200,842	127,355	451,159	6,300	182,524	1,399,352
5007201	36	14.0 mi	7.9 Tons	0.1 mi	52 Tons	(18,111)	82,241	85,874	156,409	147,617	144,152	597,875	8,663	180,708	1,385,427
5007202	42	14.0 mi	10.8 Tons	0.1 mi	70 Tons	(24,686)	109,406	111,764	184,364	165,633	167,066	623,326	8,663	201,830	1,547,364
5008001	36	16.1 mi	7.9 Tons	0.1 mi	19 Tons	(8,115)	94,413	98,583	156,409	172,438	178,301	271,909	3,150	145,063	1,112,152
5008002	42	16.0 mi	10.8 Tons	0.0 mi	19 Tons	(9,136)	125,215	127,914	184,364	192,666	189,938	291,682	2,363	165,751	1,270,757
5008101	36	5.9 mi	7.9 Tons	0.1 mi	28 Tons	(10,971)	34,518	36,043	156,409	62,305	132,966	96,818	4,725	76,922	589,736
5008102	42	5.9 mi	10.8 Tons	0.1 mi	38 Tons	(14,967)	45,822	46,809	184,364	69,621	143,804	105,545	4,725	87,858	673,581

5008201	36	5.5 mi	7.9 Tons	2.6 mi	927 Tons	(285,064)	32,609	34,049	156,409	44,675	731,359	363,545	155,873	185,018	1,418,473
5008202	42	18.4 mi	10.8 Tons	3.5 mi	1,707 Tons	(523,532)	144,019	147,123	184,364	196,639	1,226,069	1,351,832	210,767	440,592	3,377,873
5008211	36	12.9 mi	7.9 Tons	0.9 mi	336 Tons	(104,681)	75,786	79,133	156,409	130,992	388,210	896,730	56,401	251,847	1,930,827
5008301	36	13.7 mi	7.9 Tons	0.1 mi	42 Tons	(15,255)	80,534	84,091	156,409	145,990	149,639	321,136	7,088	139,445	1,069,076
5008302	42	13.7 mi	10.8 Tons	0.1 mi	57 Tons	(20,799)	106,683	108,983	184,364	162,787	162,053	345,614	7,088	158,516	1,215,288
5008401	36	10.8 mi	7.9 Tons	0.1 mi	23 Tons	(9,543)	63,677	66,489	156,409	115,291	110,805	454,664	3,938	144,259	1,105,989
5008402	42	10.8 mi	10.8 Tons	0.1 mi	45 Tons	(16,911)	84,670	86,495	184,364	128,732	114,119	486,798	5,513	161,067	1,234,846
5009001	36	17.2 mi	7.9 Tons	0.1 mi	47 Tons	(16,683)	100,969	105,429	156,409	183,454	151,877	321,136	7,875	151,570	1,162,035
5009002	42	17.2 mi	10.8 Tons	0.1 mi	70 Tons	(24,686)	134,637	137,539	184,364	205,773	113,413	345,614	8,663	165,797	1,271,112
5009101	36	14.3 mi	7.9 Tons	0.1 mi	19 Tons	(8,115)	83,886	87,591	156,409	152,044	148,415	683,373	3,150	196,013	1,502,767
5009102	42	15.7 mi	10.8 Tons	0.1 mi	32 Tons	(13,024)	122,192	124,825	184,364	186,945	184,220	540,730	3,938	200,128	1,534,318
5009201	36	17.9 mi	7.9 Tons	0.1 mi	23 Tons	(9,543)	105,213	109,860	156,409	189,937	90,881	712,666	3,938	203,904	1,563,264
5009212	42	19.8 mi	10.8 Tons	0.1 mi	64 Tons	(22,742)	154,229	157,553	184,364	235,296	67,985	466,485	7,875	187,657	1,438,701
5010001	36	17.1 mi	7.9 Tons	0.1 mi	47 Tons	(16,683)	100,711	105,160	156,409	182,139	52,258	597,955	7,875	177,873	1,363,697
5010002	42	17.1 mi	10.8 Tons	0.1 mi	64 Tons	(22,742)	133,268	136,140	184,364	203,322	35,793	576,682	7,875	188,205	1,442,906
5010101	36	11.2 mi	7.9 Tons	0.1 mi	37 Tons	(13,827)	65,987	68,902	156,409	118,522	47,783	559,091	6,300	151,375	1,160,543
5010102	42	11.2 mi	10.8 Tons	0.1 mi	51 Tons	(18,855)	87,809	89,701	184,364	132,767	52,242	603,682	6,300	170,701	1,308,711
5010201	36	14.3 mi	7.9 Tons	0.2 mi	89 Tons	(29,536)	84,364	88,091	156,409	150,484	122,202	730,636	14,963	197,642	1,515,255
5010202	42	14.3 mi	10.8 Tons	0.2 mi	121 Tons	(40,236)	111,909	114,321	184,364	167,839	133,463	837,068	14,963	228,554	1,752,244
5010301	36	15.4 mi	7.9 Tons	0.3 mi	103 Tons	(33,820)	90,696	94,702	156,409	161,880	178,723	643,909	17,325	196,474	1,506,298
5010302	42	15.5 mi	10.8 Tons	0.3 mi	134 Tons	(44,124)	120,839	123,443	184,364	181,506	202,859	787,773	16,538	235,980	1,809,177
5011001	36	12.2 mi	7.9 Tons	0.2 mi	56 Tons	(19,540)	71,447	74,603	156,409	128,151	166,313	453,466	9,450	156,045	1,196,345
5011002	42	12.1 mi	10.8 Tons	0.2 mi	83 Tons	(28,574)	94,644	96,683	184,364	143,323	182,809	448,718	10,238	169,831	1,302,035
5011101	36	14.2 mi	7.9 Tons	0.9 mi	317 Tons	(99,179)	83,347	87,028	156,409	146,053	179,458	501,136	53,367	166,143	1,273,763
5011102	42	14.1 mi	10.8 Tons	0.7 mi	361 Tons	(113,196)	110,043	112,415	184,364	163,388	169,711	484,773	44,522	173,403	1,329,422
5011201	36	4.9 mi	7.9 Tons	7.8 mi	2,808 Tons	(858,301)	28,642	29,907	156,409	7,800	1,848,847	589,500	471,981	341,218	2,616,004
5011202	42	10.2 mi	10.8 Tons	8.7 mi	4,266 Tons	(1,303,666)	79,924	81,647	184,364	65,900	2,295,931	1,158,000	526,833	463,340	3,552,272
5011211	36	5.3 mi	7.9 Tons	1.0 mi	351 Tons	(109,305)	31,031	32,401	156,409	50,297	236,713	225,955	58,951	102,368	784,819
5011301	36	12.7 mi	7.9 Tons	0.4 mi	127 Tons	(41,171)	74,504	77,795	156,409	132,789	72,709	501,136	21,379	149,333	1,144,883
5011302	42	12.7 mi	10.8 Tons	0.4 mi	185 Tons	(59,805)	98,908	101,040	184,364	148,385	75,127	484,773	22,891	158,352	1,214,033
5012001	36	14.0 mi	7.9 Tons	1.9 mi	666 Tons	(205,490)	82,565	86,212	156,409	139,178	397,247	714,055	111,992	222,325	1,704,491
5012002	42	14.0 mi	10.8 Tons	1.8 mi	883 Tons	(272,519)	109,646	112,009	184,364	155,732	420,756	814,118	109,070	244,976	1,878,153
5012101	36	8.3 mi	7.9 Tons	2.1 mi	761 Tons	(234,269)	48,716	50,868	156,409	76,384	446,794	417,955	127,862	163,608	1,254,327
5012102	42	8.3 mi	10.8 Tons	2.1 mi	1,035 Tons	(318,924)	64,628	66,021	184,364	85,432	496,317	397,227	127,871	165,440	1,268,376
5012111	36	8.0 mi	7.9 Tons	0.3 mi	98 Tons	(32,392)	46,838	48,907	156,409	81,414	56,943	677,864	16,538	157,878	1,210,398
5012112	42	8.0 mi	10.8 Tons	0.3 mi	134 Tons	(44,124)	62,179	63,519	184,364	90,976	63,362	727,159	16,538	174,596	1,338,569
5012201	36	14.6 mi	7.9 Tons	0.2 mi	56 Tons	(19,540)	86,106	89,909	156,409	154,947	26,847	638,727	9,450	171,428	1,314,284
5012202	42	14.7 mi	10.8 Tons	0.4 mi	197 Tons	(63,244)	114,813	117,288	184,364	172,737	80,008	619,295	24,284	187,432	1,436,978
5012301	36	13.3 mi	7.9 Tons	0.1 mi	52 Tons	(18,111)	77,934	81,377	156,409	140,279	24,609	631,391	8,663	165,383	1,267,933
5012302	42	13.3 mi	10.8 Tons	0.1 mi	64 Tons	(22,742)	103,605	105,838	184,364	156,764	100,176	778,480	7,875	212,154	1,626,513
5013001	36	17.4 mi	7.9 Tons	0.1 mi	37 Tons	(13,827)	102,583	107,115	156,409	186,506	87,631	370,364	6,300	150,462	1,153,542
5013002	42	17.5 mi	10.8 Tons	0.1 mi	51 Tons	(18,855)	136,375	139,314	184,364	208,713	84,433	399,545	6,300	171,029	1,311,219
5013101	36	15.8 mi	7.9 Tons	0.2 mi	61 Tons	(20,968)	92,696	96,791	156,409	166,508	58,969	679,421	10,238	186,010	1,426,073
5013102	42	15.7 mi	10.8 Tons	0.2 mi	83 Tons	(28,574)	122,780	125,427	184,364	186,023	86,234	703,388	10,238	208,482	1,598,361
5013201	36	19.3 mi	7.9 Tons	0.3 mi	117 Tons	(38,104)	113,301	118,306	156,409	202,574	115,702	797,066	19,688	222,741	1,707,682
5013202	42	19.3 mi	10.8 Tons	0.3 mi	159 Tons	(51,899)	150,669	153,917	184,364	226,421	127,040	887,984	19,688	254,727	1,952,911
5013301	36	18.7 mi	7.9 Tons	0.2 mi	84 Tons	(28,108)	110,234	115,103	156,409	197,950	289,317	757,897	14,175	241,947	1,854,924
5013302	42	18.8 mi	10.8 Tons	0.3 mi	128 Tons	(42,180)	146,847	150,012	184,364	221,633	307,658	821,760	15,750	270,877	2,076,720
5014001	36	13.5 mi	7.9 Tons	0.2 mi	66 Tons	(22,396)	79,309	82,812	156,409	143,366	101,054	225,955	11,025	116,630	894,164
5014002	42	13.5 mi	10.8 Tons	0.1 mi	70 Tons	(24,686)	105,336	107,606	184,364	160,083	134,874	484,773	8,663	174,152	1,335,163
5100000	12	18.6 mi	3.1 Tons	2.2 mi	88 Tons	(27,630)	22,174	30,178	110,318	119,468	592,584	151,159	132,419	169,600	1,300,270
5201000	16	14.2 mi	4.0 Tons	3.5 mi	249 Tons	(76,989)	24,569	29,176	116,318	95,999	711,171	183,614	211,487	194,302	1,489,647
5202000	16	9.0 mi	4.0 Tons	6.1 mi	431 Tons	(132,461)	15,670	18,608	116,318	45,418	1,321,035	475,077	366,349	333,902	2,559,916
5203000	16	7.5 mi	4.0 Tons	4.5 mi	320 Tons	(98,878)	8,897	12,108	116,318	34,789	988,993	274,561	272,594	241,407	1,850,789

5204000	16	19.7 mi	4.0 Tons	5.7 mi	403 Tons	(124,066)	23,474	31,947	116,318	113,855	879,701	302,318	342,912	252,969	1,939,428
5205000	16	20.5 mi	4.0 Tons	0.3 mi	22 Tons	(8,003)	24,381	33,182	116,318	136,416	74,493	604,636	18,900	150,049	1,150,373
5206000	16	19.1 mi	4.0 Tons	7.2 mi	511 Tons	(156,927)	22,780	31,003	116,318	104,090	1,489,290	454,705	434,651	374,386	2,870,296
5301000	36	27.4 mi	7.9 Tons	4.9 mi	1,749 Tons	(535,508)	161,089	168,204	156,409	262,119	4,091,538	831,304	293,979	814,370	6,243,505
5302000	36	0.4 mi	7.9 Tons	0.3 mi	104 Tons	(34,198)	2,210	2,308	156,409	-	3,252,798	334,927	17,534	559,798	4,291,786
5304000	30	54.1 mi	6.4 Tons	2.8 mi	699 Tons	(215,038)	233,135	247,965	135,409	506,387	3,423,955	228,420	169,219	709,418	5,438,871
5305000	30	0.3 mi	6.4 Tons	0.2 mi	59 Tons	(20,007)	1,488	1,582	135,409	-	492,098	372,070	14,349	149,548	1,146,537
5306000	30	0.3 mi	6.4 Tons	0.2 mi	55 Tons	(18,696)	1,142	1,215	135,409	-	261,981	163,944	13,308	83,745	642,047
5307000	30	0.2 mi	6.4 Tons	0.1 mi	33 Tons	(12,094)	978	1,040	135,409	-	248,363	386,003	8,065	115,165	882,929
5309000	30	0.2 mi	6.4 Tons	0.1 mi	18 Tons	(7,417)	763	812	135,409	-	11,303	395,908	4,352	81,169	622,298
Application		1,475 mi	955 Tons	300 mi	117,090 Tons	(35,982,000)	9,351,000	9,691,000	17,814,000	14,332,000	92,949,000	76,404,000	18,105,000	30,400,000	233,064,000
Abandonment		1,475 mi	955 Tons	0 mi	0 Tons	(194,000)	6,234,000	6,461,000	11,876,000	7,677,000	-	-	2,160,000	-	34,213,000
Application		1,475 mi	955 Tons	300 mi	117,090 Tons	(35,982,000)	9,351,000	9,691,000	17,814,000	14,332,000	92,949,000	76,404,000	18,105,000	30,400,000	233,064,000
Removal		1,475 mi	955 Tons	1,455 mi	568,336 Tons	(115,685,000)	6,234,000	6,461,000	-	-	394,012,000	50,936,000	58,532,000	-	400,490,000

**SUMMARY OF GTN TERMINAL NEGATIVE SALVAGE COST 2006 US\$**

[illegible]

**ASSUMPTIONS FOR REMOVAL COST : ALL COST ARE IN 2006 US\$**

**A) Building Removal Cost includes Concrete Foundations, Struct. Steel, Walls, Cladding, Roofing, Equipment Supports & Platforms etc**

Site Restoration : incl. Strip, Clean & Gravel Topping Back Fill = 0.70 \$/ SFt  
Site Restoration : incl. Strip, Clean back Fill & Top Soil & Seeding = 1.29 \$/ SFt

Compressor Bldg. = 86.43 \$ / SFt ( Higher Cost because of Taller Bldg., Basement Concrete, Unit Found'n, )  
Control Bldg. = 65.06 \$ / SFt ( cost approx 40% less than Compressor Bldg. because no Unit foundation, Not a tall bldg.)  
MCC Bldg. = 21.38 \$ / SFt which incl. Foundation, Steel Structure, Platforms, Ladders, etc.  
FUEL GAS & INSTRUMENT BLDG. = 15.80 \$ / SFt which incl. Foundation, Steel Structure, Platforms, Ladders, etc.  
AUXILIARY & OFFICE BLDG. = 53.90 \$ / SFt which incl. Foundation, Steel Structure, Platforms, Ladders, etc.

Gas Coolers = 38.10 \$ / SFt which incl. Foundation, Steel support Structure, Platforms, Ladders, Cooler bundles, Fans, Piping & Electrical etc.  
Lub Oil coolers = 15.80 \$ / SFt ---- Do ----

**B) Other Buildings removal Cost as follows : incl. Foundations, Cladding, Roofing, Platforms, Structural Steel, etc**

**WAREHOUSE & STORAGE BUILDINGS :**

Buildings Area 0 to 270 SFt = 16.73 \$ / SFt  
Buildings Area 270 to 1100 SFt = 15.80 \$ / SFt  
Buildings Area 1100 to 5400 SFt = 13.94 \$ / SFt  
Buildings Area OVER 5400 = 13.01 \$ / SFt

**GARAGE & EQUIPMENT MAINTENANCE & STORAGE BLDGS. :**

Buildings Area 270 to 1100 SFt = 19.52 \$ / SFt  
Buildings Area 1100 to 5400 SFt = 16.73 \$ / SFt  
Buildings Area OVER 5400 = 15.80 \$ / SFt  
Hazardous Material Storage Bldgs = 15.80 \$ / SFt

**C) Equipment Removal Cost ( Inside Bldg. & Yard ) : includes Removal & Disposing of equipments, associated Piping, Supports, Foundations, Electrical & Instrumentation etc.**

Compressor unit, Intake, Exhaust System, & associated piping incl with System 1 cost  
Scrubber = 29,030 \$ / ea  
Scrubber separator (Cyclone Separator) = 3,490 \$ / ea  
Microwave Tower = 58,040 \$ / ea  
Well decommissioning = 5,810 \$ / ea incl. filling in & capping with appropriate material  
Valves : Unit / Blow Down Valves = 3,490 \$ / ea  
Silencers : Unit / Blow Down Silencers = 2,320 \$ / ea  
Tanks : Gas / Diesel / Oil / chemical / Fire Water / Water = 2,320 \$ / ea  
Stacks : Regeneration / exchanger Stacks = 3,490 \$ / ea  
Pig launcher = 1,170 \$ / ea  
Demister = 1,170 \$ / ea  
  
Generators : Standby / Emergency Generators = 1,170 \$ / ea  
Transformers : APU & Utility Transformers = 1,170 \$ / ea  
Electrical vaults ; Transformers : = 580 \$ / ea

**D) Station Removal Cost for One, Two & Three Unit Stations. ( For Cost Data see TCPL Station Retirement Summary Tables )**

Two Unit Station Removal Cost = Full Cost of Bigger Single Unit + 80 % x Full Single Unit Cost of Second Unit  
Three Unit Station Removal Cost = Full Cost of Bigger Single Unit + 70 % x Full Single Unit Cost of Second Unit + 70% x Full Single Unit Cost of Third Unit  
Four Unit Station Removal Cost = Full Cost of Bigger Single Unit + 65 % x Full Single Unit Cost of Second Unit + 65% x Full Single Unit Cost of Third Unit  
+ 65% x Full Single Unit cost Of fourth Unit

**E) Salvage, & Estate Value, Environmental Cost for Compressor Stations & Meter Stations Removal : incl Salvage for useful Equipment Parts + Scrap Steel**

Assumed All Compressor Stations were Built between 1971 & 1990 & Assumed Salvage Cost / Unit = 249,500 US\$ ( ' 06\$ )  
( using TCPL Data for 7.9 to 15.4 MW Units Average cost )  
Reclamation Value for Station #11 (MADRAS ) & Station # 12 (BEND) has additional cost for Full Reclamation (Top Soil & Sodding) as Agricultural Standard because these Stations are on Federal Land  
All Stations except "Station #11 - MADRAS " & " Station #12 - BEND" are Reclaimed to Industrial Standard Only (Gravelling the site - Low Case )  
For Meter stations built After to 1984 = Removal Cost + 15 k\$ for Soil samples ( Assumed ALL Meter Station with NO Contamination )  
Real Estate Value for Station #11 (MADRAS) & Station #12 (BEND) use Zero Value as we will relinquish permits to these stations (i.e. NO money for us),  
For Other Stations use 83,300 US\$ (=80,000 US\$ ' 04\$) per previous report  
Environmental Cleanup : as NO PCB was found on any station only Asbestos removal cost required for cleanup cost

**F) Compressor Unit Removal Cost is based on MW Capacity Range TCPL Std. Cost In-house Data**

( cost incl. Unit, Exhaust, Intake, & associated equipments & piping etc)  
All Other Services i.e. Fuel & Start, Glycol,HVAC,Cooling Water, Compressed Air, Sanitary & Sewage System,  
Electrical & Instrumentation etc per TCPL in house data

**H) Escalation of 2% per Year from 2004 to 2006 applied to GTN's & TCPL in house data**

**I ) GTN's Report (year 2004) & TCPL in House Data used for estimate,**

**J ) Estimate includes : Project Management, + Engineering, + Construction Management + Contingency**

**K ) Estimated Unit Cost are Based on 65% Labour + 35 % Material & equipment Cost, Labour Cost is increased by 30% for Remote Locations**

### EASTPORT Compressor Station

- 1) Compressor Unit # 3A = AVON (14700 HP = 10.96 MW)
- 2) Compressor Unit # 3B = RB 211 (35000 HP = 26.10 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><u>SITE RESTORATION</u></b>				
Site restoration incl. remove & replace & grade site with gravel				
Site Location Area	360000	SFt	0.70	252,400
<b><u>REMOVE and DISPOSE BUILDINGS</u></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Buildings incl. Foundation Concrete,Walls,Roofing,Steel, etc				
Compressor Building #1	1667	SFt	86.70	144,500
Compressor Building #2	3735	SFt	86.70	323,800
B) Control Building	3951	SFt	65.00	256,800
Instrument Bldg.	93	SFt	16.30	1,500
C) Gas Coolers				
Lub Oil Cooler # 1	185	SFt	16.30	3,000
Lub Oil Cooler # 2	247	SFt	16.30	4,000
Microwave Tower Antenna	1.0	ea	58,040	58,000
Water Well	1.0	ea	5,810	5,800
D) OTHER YARD BLDGS.				
Warehouse	1235	SFt	13.50	16,700
Storage Building # 1	648	SFt	16.30	10,600
Flammable Liquid Storage	278	SFt	16.30	4,500
Storage Building # 2	247	SFt	17.20	4,200
Aluminium Shed	80	SFt	17.20	1,400
Blow Down Valve Shelter	54	SFt	17.20	900
Fire Extinguisher Shelter	54	SFt	17.20	900
Valve Shelters	323	SFt	17.20	5,600
<b><u>REMOVE and DISPOSE YARD EQUIPMENTS</u></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	2.0	ea	29,030	58,100
Scrubber Separator	1.0	ea	3,490	3,500
Blow Down Silencer	1.0	ea	2,320	2,300
Pig Launcher	1.0	ea	1,170	1,200
Unit Silencers	2.0	ea	2,320	4,600

### EASTPORT Compressor Station

- 1) Compressor Unit # 3A = AVON (14700 HP = 10.96 MW)
- 2) Compressor Unit # 3B = RB 211 (35000 HP = 26.10 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</b>				
Equipments & Piping in Compressor bldg, (System 1)	1.0	Lot	611,220	611,200
HP Piping in Compressor Bldg. & Yard (System 6)	1.0	Lot	90,340	90,300
Fuel & Start Gas Equipments & Piping (System 7)	1.0	Lot	27,200	27,200
Cooling Water Equipments & Piping (System 8)	1.0	Lot	91,610	91,600
Compressed Air Equipments & Piping (System 10)	1.0	Lot	19,820	19,800
Lub Oil Equipments & Piping (System 11)	1.0	Lot	17,970	18,000
Heating & Ventilation & A/C Equipments & Piping (System 14)	1.0	Lot	23,020	23,000
Sanitary & Storm Sewage Equipments & Piping (System 15)	1.0	Lot	23,410	23,400
Electrical & Instrumentation Equipments & Tubing, Conduits (System 17)	1.0	Lot	11,660	11,700
Site Overhead & Supervision	1.0	Lot	432,970	433,000
Site Additives i.e. Mob Demob,Hydrowec,Trucking,Subsistance etc	1.0	Lot	702,440	702,400
<b>Sub Total Construction</b>				<b>3,215,900</b>
<b>PROJECT MANAGEMENT ENGINEERING CONSTRUCTION MANAGEMENT</b>	6.0%	Lot	192,200	192,200
	4.2%	Lot	134,500	134,500
	14.9%	Lot	480,400	480,400
<b>Sub Total TCPL</b>				<b>807,100</b>
<b>Sub Total</b>				<b>4,023,000</b>
<b>CONTINGENCY</b>				
Contingency @	15.0%	0	603,500	603,500
<b>Total Retirement Cost</b>				<b>4,626,500</b>
<b>Cost Included in TCPL Estimate :</b>				
Environmental Cost included in above Cost @ 25% Of Construction Cost	25.0%			804,000
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	2.0	ea	261,310	522,600
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1.0	ea	83,230	83,200
Surface Restoration	360000.0	SFt.	0.70	252,400



**SANDPOINT Compressor Station**

- 1) Compressor Unit # 4A = Solar TITAN (19500 HP = 14.54 MW)  
 2) Compressor Unit # 4B = Solar MARS Solonox (15000 HP = 11.19 MW)  
 3) Compressor Unit # 4C = Solar MARS (14000 HP = 10.44 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><u>SITE RESTORATION</u></b>				
Site restoration incl. remove & replace & grade site with gravel Site Location Area	640000	SFt	0.70	448,600
<b><u>REMOVE and DISPOSE BUILDINGS</u></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building #1 (14.54 MW)	3150	SFt	86.70	273,100
Compressor Building #2 (11.19 MW)	1650	SFt	86.70	143,100
Compressor Building #3 (10.44 MW)	3600	SFt	86.70	312,100
B) Control Building	1250	SFt	65.00	81,300
MCC Bldg.	500	SFt	21.70	10,900
Instrument Bldg.	50	SFt	16.30	800
C) Gas Coolers	6525	SFt	37.90	247,300
Fin Fan Coolers (Lub Oil Cooler)	250	SFt	16.30	4,100
D) OTHER YARD BLDGS.				
Garage / Maintenance Building	7600	SFt	15.30	116,300
Equipment Storage Building	3200	SFt	17.20	55,000
Car Shed	3000	SFt	17.20	51,600
Truck Storage	1800	SFt	17.20	31,000
Warehouse Bldg.	3750	SFt	13.50	50,600
Oil Storage Bldg.	400	SFt	16.30	6,500
Microwave Bldg.	150	SFt	17.20	2,600
Hazardous Material Storage	100	SFt	16.30	1,600
Waste Oil Storage Tank	75	SFt	16.30	1,200
Valve Shelter	430	SFt	17.20	7,400
Valve Box	54	SFt	17.20	900
Switch Board Bldg.	54	SFt	17.20	900
Recycle Valve Shelter	54	SFt	17.20	900
Snow Shelter	50	SFt	17.20	900
Microwave Tower	2	ea	58,040	116,100
<b><u>REMOVE and DISPOSE YARD EQUIPMENTS</u></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	6	ea	29,030	174,200
Scrubber Separator	1	ea	3,490	3,500
1000 Gallon Gasolin Tank	1	ea	2,320	2,300
Blow Down Silencer	4	ea	2,320	9,300
Demister	1	ea	1,170	1,200
Electric Vault	1	ea	580	600
Regeneration and Exchange Stack	1	ea	3,490	3,500

**SANDPOINT Compressor Station**

- 1) Compressor Unit # 4A = Solar TITAN (19500 HP = 14.54 MW)  
 2) Compressor Unit # 4B = Solar MARS Solonox (15000 HP = 11.19 MW)  
 3) Compressor Unit # 4C = Solar MARS (14000 HP = 10.44 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</b>				
Equipments & Piping in Compressor bldg, (System 1)	1 Lot		580,620	580,600
HP Piping in Compressor Bldg. & Yard (System 6)	1 Lot		95,300	95,300
Fuel & Start Gas Equipments & Piping (System 7)	1 Lot		32,830	32,800
Cooling Water Equipments & Piping (System 8)	1 Lot		117,250	117,300
Compressed Air Equipments & Piping (System 10)	1 Lot		26,420	26,400
Lub Oil Equipments & Piping (System 11)	1 Lot		23,990	24,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1 Lot		30,600	30,600
Sanitary & Storm Seware Equipments & Piping (System 15)	1 Lot		31,180	31,200
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1 Lot		15,640	15,600
Site Overhead & Supervision	1 Lot		519,620	519,600
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1 Lot		754,510	754,500
<b>Sub Total Construction</b>				<b>4,387,300</b>
<b>PROJECT MANAGEMENT</b>	6.0% Lot			262,100
<b>ENGINEERING</b>	4.2% Lot			183,500
<b>CONSTRUCTION MANAGEMENT</b>	14.9% Lot			655,400
<b>Sub Total TCPL</b>				<b>1,101,000</b>
<b>Sub Total</b>				<b>5,488,300</b>
<b>CONTINGENCY</b>				
Contingency @	15.0%	0	0	823,200
<b>Total Retirement Cost</b>				<b>6,311,500</b>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			1,096,800
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	3 Units		261,310	783,900
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	640000.0 m2		0.70	448,600

### ATHOL Compressor Station

- 1) Compressor Unit # 5B = R/R AVON (14600 HP = 10.89 MW)
- 2) Compressor Unit # 5C = R/R RB 211 (35000 HP = 26.10 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><u>SITE RESTORATION</u></b>				
Site restoration incl. remove & replace & grade site with gravel Site Location Area	490000	SFt	0.70	343,500
<b><u>REMOVE and DISPOSE BUILDINGS</u></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building # 2 (10.89 MW)	1482	SFt	86.70	128,400
Compressor Building # 3 (26.10 MW)	3735	SFt	86.70	323,800
B) Control Building	3395	SFt	65.00	220,700
MCC Bldg. (Motor Control Center)	772	SFt	21.70	16,700
Fuel Gas Bldg.	93	SFt	16.30	1,500
Instrument Bldg.	161	SFt	16.30	2,600
C) Gas Coolers	5617	SFt	37.90	212,900
Lub Oil Cooler # 3	247	SFt	16.30	4,000
D) OTHER YARD BLDGS.				
Warehouse Bldg.	3611	SFt	13.50	48,700
Valve Shelter	377	SFt	17.20	6,500
Flammable Liquid Storage Bldg.	772	SFt	16.30	12,600
Water Well	1	ea	5,810	5,800
<b><u>REMOVE and DISPOSE YARD EQUIPMENTS</u></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	2	ea	29,030	58,100
Scrubber Seperator	1	ea	3,490	3,500
Blow Down Valve	1	ea	3,490	3,500
<b><u>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</u></b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	611,220	611,200
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	90,340	90,300
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	27,200	27,200
Cooling Water Equipments & Piping (System 8)	1	Lot	91,610	91,600
Compressed Air Equipments & Piping (System 10)	1	Lot	19,820	19,800
Lub Oil Equipments & Piping (System 11)	1	Lot	17,970	18,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	23,020	23,000
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	23,410	23,400
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	11,660	11,700
Site Overhead & Supervision	1	Lot	432,970	433,000
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	702,440	702,400
<b><u>Sub Total Construction</u></b>				<b>3,444,400</b>

### ATHOL Compressor Station

- 1) Compressor Unit # 5B = R/R AVON (14600 HP = 10.89 MW)
- 2) Compressor Unit # 5C = R/R RB 211 (35000 HP = 26.10 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			205,800
ENGINEERING	4.2% Lot			144,100
CONSTRUCTION MANAGEMENT	14.9% Lot			514,500
<i>Sub Total TCPL</i>				<i>864,400</i>
<i>Sub Total</i>				<i>4,308,800</i>
CONTINGENCY				
Contingency @	15.0%			646,300
<i>Total Retirement Cost</i>				<i>4,955,100</i>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			861,100
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	2 Units		261,310	522,600
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	490000.0 m2		0.70	343,500

**ROSALIA Compressor Station**

- 1) Compressor Unit # 6A = Solar MARS Solonex (14500 HP = 10.81 MW)  
 2) Compressor Unit # 6B = GE LM1500 (12500 HP = 9.32 MW)  
 3) Compressor Unit # 6C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b>SITE RESTORATION</b>				
Site restoration incl. remove & replace & grade site with gravel Site Location Area	910000	SFt	0.70	637,900
<b>REMOVE and DISPOSE BUILDINGS</b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building #	5216	SFt	86.70	452,200
B) Control Building				
MCC Bldg.	185	SFt	21.70	4,000
Fuel Gas Bldg.	247	SFt	16.30	4,000
Instrument Bldg.	0	SFt	16.30	0
C) Gas Coolers	2593	SFt	37.90	98,300
Lub Oil Cooler	3457	SFt	16.30	56,300
D) OTHER YARD BLDGS.				
Maintenance Bldg. / Auxillary / Office / Shops / Warehouse / Garage Bldg.	8210	SFt	15.30	125,600
Car Shed	2593	SFt	17.20	44,600
Vehicle Storage Bldg.	1543	SFt	17.20	26,500
Oil Storage Bldg.	617	SFt	16.30	10,100
Material Storage Bldg.	463	SFt	16.30	7,500
Microwave Bldg.	124	SFt	17.20	2,100
Valve Shelter	377	SFt	17.20	6,500
Microwave Tower	1	ea	58,040	58,000
Water well	1	ea	5,810	5,800
<b>REMOVE and DISPOSE YARD EQUIPMENTS</b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	2	ea	29,030	58,100
Demister	1	ea	1,170	1,200
Emergency Generator	1	ea	1,170	1,200
<b>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	580,620	580,600
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	95,300	95,300
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	32,830	32,800
Cooling Water Equipments & Piping (System 8)	1	Lot	117,250	117,300
Compressed Air Equipments & Piping (System 10)	1	Lot	26,420	26,400
Lub Oil Equipments & Piping (System 11)	1	Lot	23,990	24,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	30,600	30,600
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	31,180	31,200
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	15,640	15,600
Site Overhead & Supervision	1	Lot	519,620	519,600
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	754,510	754,500

**ROSALIA Compressor Station**

- 1) Compressor Unit # 6A = Solar MARS Solonex (14500 HP = 10.81 MW)
- 2) Compressor Unit # 6B = GE LM1500 (12500 HP = 9.32 MW)
- 3) Compressor Unit # 6C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
Sub Total Construction				3,827,800

### ROSALIA Compressor Station

- 1) Compressor Unit # 6A = Solar MARS Solonex (14500 HP = 10.81 MW)
- 2) Compressor Unit # 6B = GE LM1500 (12500 HP = 9.32 MW)
- 3) Compressor Unit # 6C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			228,700
ENGINEERING	4.2% Lot			160,100
CONSTRUCTION MANAGEMENT	14.9% Lot			571,800
<i>Sub Total TCPL</i>				<i>960,600</i>
<i>Sub Total</i>				<i>4,788,400</i>
CONTINGENCY Contingency @	15.0%			718,300
<i>Total Retirement Cost</i>				<i>5,506,700</i>
<b>Cost Included in TCPL Estimate :</b>				
Environmental Cost included in above Cost @ 25% of Construction Cost	25%			957,000
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	3 Units		261,310	783,900
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	910000.0 m2		0.70	637,900

## STARBUCK Compressor Station

- 1) Compressor Unit # 7B = R/R AVON (14300 HP = 10.66 MW)
- 2) Compressor Unit # 7C = R/R RB211 (40000 HP =29.83 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><u>SITE RESTORATION</u></b>				
Site restoration incl. remove & replace & grade site with gravel Site Location Area	360000	SFt	0.70	252,400
<b><u>REMOVE and DISPOSE BUILDINGS</u></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building # 2	1389	SFt	86.70	120,400
Compressor Building # 3	3735	SFt	86.70	323,800
B) Control Building	4012	SFt	65.00	260,800
MCC Bldg.	93	SFt	21.70	2,000
Fuel Gas Bldg.	247	SFt	16.30	4,000
C) Gas Coolers	4969	SFt	37.90	188,300
D) OTHER YARD BLDGS.				
Warehouse Bldg.	2963	SFt	13.50	40,000
Flammable Liquid Storage Bldg.	648	SFt	16.30	10,600
Emergency Generator Bldg..	278	SFt	16.30	4,500
Station Silencer Bldg.	124	SFt	17.20	2,100
Valve Shelter	430	SFt	17.20	7,400
Microwave Mast	1	ea	58,040	58,000
Water well	1	ea	5,810	5,800
<b><u>REMOVE and DISPOSE EQUIPMENTS IN Bldg. &amp; YARD</u></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber Separator	1	ea	3,490	3,500
<b><u>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</u></b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	611,220	611,200
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	90,340	90,300
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	27,200	27,200
Cooling Water Equipments & Piping (System 8)	1	Lot	91,610	91,600
Compressed Air Equipments & Piping (System 10)	1	Lot	19,820	19,800
Lub Oil Equipments & Piping (System 11)	1	Lot	17,970	18,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	23,020	23,000
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	23,410	23,400
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	11,660	11,700
Site Overhead & Supervision	1	Lot	432,970	433,000
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	702,440	702,400
<b><u>Sub Total Construction</u></b>				<b>3,335,200</b>



### STARBUCK Compressor Station

- 1) Compressor Unit # 7B = R/R AVON (14300 HP = 10.66 MW)
- 2) Compressor Unit # 7C = R/R RB211 (40000 HP =29.83 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			199,300
ENGINEERING	4.2% Lot			139,500
CONSTRUCTION MANAGEMENT	14.9% Lot			498,200
<i>Sub Total TCPL</i>				<i>837,000</i>
<i>Sub Total</i>				<i>4,172,200</i>
CONTINGENCY Contingency @	15.0%			625,800
<i>Total Retirement Cost</i>				<i>4,798,000</i>
<b>Cost Included in TCPL Estimate :</b>				
Envionmental Cost included in above Cost @ 25% Of Construction Cost	25%			833,800
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	2 Units		261,310	522,600
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	360000.0 m2		0.70	252,400

### WALLULA Compressor Station

- 1) Compressor Unit # 8A = Solar TITAN (19500 HP = 14.54 MW)
- 2) Compressor Unit # 8B = Solar TITAN (17800 HP = 13.27 MW)
- 3) Compressor Unit # 8C = R/R AVON (14300 HP = 10.66 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><i>SITE RESTORATION</i></b>				
Site restoration incl. remove & replace & grade site with gravel Site Location Area	560000	SFt	0.70	392,600
<b><i>REMOVE and DISPOSE BUILDINGS</i></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building # A	3457	SFt	86.70	299,700
Compressor Building # B	3025	SFt	86.70	262,200
Compressor Building # 2	1600	SFt	86.70	138,700
Compressor Building # 3	1600	SFt	86.70	138,700
B) Control Building	1235	SFt	65.00	80,200
MCC Bldg.	600	SFt	21.70	13,000
Instrument Bldg.	161	SFt	16.30	2,600
C) Gas Coolers	4444	SFt	37.90	168,400
Gas Coolers	4321	SFt	37.90	163,800
Lub Oil Cooler # 3	93	SFt	16.30	1,500
Lub Oil Cooler # A	93	SFt	16.30	1,500
Lub Oil Cooler # B	93	SFt	16.30	1,500
D) OTHER YARD BLDGS.				
Maintenance Bldg.	10556	SFt	15.30	161,500
Car Shed	3000	SFt	17.20	51,600
Truck Shed	3000	SFt	17.20	51,600
Equipment Storage Building	2469	SFt	17.20	42,500
Concrete Pad	2000	SFt	13.50	27,000
Storage Building	2000	SFt	13.50	27,000
Flammable Liquid Storage Bldg.	278	SFt	16.30	4,500
Fire Pump Bldg.	124	SFt	16.30	2,000
Hazardous Material Storage	124	SFt	16.30	2,000
Valve Shelter	269	SFt	17.20	4,600
Microwave Tower	1	ea	58,040	58,000
<b><i>REMOVE and DISPOSE YARD EQUIPMENTS</i></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	1	ea	29,030	29,000
2000 Gallon Gasolin Tank				
500 Gallon Diesel Tank	1	ea	2,320	2,300
Fire Water Tank	1	ea	2,320	2,300
Emergency Generator	1	ea	1,170	1,200

### WALLULA Compressor Station

- 1) Compressor Unit # 8A = Solar TITAN (19500 HP = 14.54 MW)
- 2) Compressor Unit # 8B = Solar TITAN (17800 HP =13.27 MW)
- 3) Compressor Unit # 8C = R/R AVON (14300 HP = 10.66 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</b>				
Equipments & Piping in Compressor bldg, (System 1)	1 Lot		580,620	580,600
HP Piping in Compressor Bldg. & Yard (System 6)	1 Lot		95,300	95,300
Fuel & Start Gas Equipments & Piping (System 7)	1 Lot		32,830	32,800
Cooling Water Equipments & Piping (System 8)	1 Lot		117,250	117,300
Compressed Air Equipments & Piping (System 10)	1 Lot		26,420	26,400
Lub Oil Equipments & Piping (System 11)	1 Lot		23,990	24,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1 Lot		30,600	30,600
Sanitary & Storm Seware Equipments & Piping (System 15)	1 Lot		31,180	31,200
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1 Lot		15,640	15,600
Site Overhead & Supervision	1 Lot		519,620	519,600
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1 Lot		754,510	754,500
<b>Sub Total Construction</b>				<b>4,359,400</b>
<b>PROJECT MANAGEMENT</b>				
<b>ENGINEERING</b>				
<b>CONSTRUCTION MANAGEMENT</b>				
	6.0% Lot			260,500
	4.2% Lot			182,300
	14.9% Lot			651,200
<b>Sub Total TCPL</b>				<b>1,094,000</b>
<b>Sub Total</b>				<b>5,453,400</b>
<b>CONTINGENCY</b>				
Contingency @	15.0%			818,000
<b>Total Retirement Cost</b>				<b>6,271,400</b>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			1,089,900
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	3 Units		261,310	783,900
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	560000.0 m2		0.70	392,600

## STANFIELD Compressor Station

- 1) Compressor Unit # Stanfield = Solar SATURN (1600 HP = 1.19 MW)
- 2) Compressor Unit #
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><u>SITE RESTORATION</u></b>				
Site restoration incl. remove & replace & grade site with gravel				
Site Location Area	154997	SFt	0.70	108,700
<b><u>REMOVE and DISPOSE BUILDINGS</u></b>				
Remove & Dispose Complete Building				
incl. Foundations, Walls, Struct. Steel, Roofing,				
All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building	1550	SFt	86.70	134,400
B) Control Building	689	SFt	65.00	44,800
MCC Bldg.	97	SFt	21.70	2,100
Instrument Bldg.	108	SFt	16.30	1,800
C) Gas Coolers	807	SFt	37.90	30,600
Lub Oil Cooler #	162	SFt	16.30	2,600
D) OTHER YARD BLDGS.				
Valve Shelter	269	SFt	17.20	4,600
Microwave Tower	1	ea	58,040	58,000
Water well	1	ea	5,810	5,800
<b><u>REMOVE and DISPOSE YARD EQUIPMENTS</u></b>				
Remove and Dispose All Yard Equipments				
incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	1	ea	29,030	29,000
<b><u>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</u></b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	112,100	112,100
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	33,220	33,200
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	11,370	11,400
Cooling Water Equipments & Piping (System 8)	1	Lot	42,940	42,900
Compressed Air Equipments & Piping (System 10)	1	Lot	12,730	12,700
Lub Oil Equipments & Piping (System 11)	1	Lot	10,010	10,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	12,730	12,700
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	13,020	13,000
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	6,510	6,500
Site Overhead & Supervision	1	Lot	129,880	129,900
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	170,490	170,500
<b><u>Sub Total Construction</u></b>				<b><u>977,300</u></b>

### STANFIELD Compressor Station

- 1) Compressor Unit # Stanfield = Solar SATURN (1600 HP = 1.19 MW)
- 2) Compressor Unit #
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0%	Lot		58,400
ENGINEERING	4.2%	Lot		40,900
CONSTRUCTION MANAGEMENT	14.9%	Lot		146,000
<i>Sub Total TCPL</i>				<i>245,300</i>
<i>Sub Total</i>				<i>1,222,600</i>
CONTINGENCY				
Contingency @	15.0%			183,400
<i>Total Retirement Cost</i>				<i>1,406,000</i>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			244,300
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	1	Units	32,060	32,100
Real Estate Value per Station ( 5000 US\$ in ' 04\$ per Previous Report )	1	Lot	5,200	5,200
Surface Restoration	154996.5	m2	0.70	108,700

## IONE Compressor Station

- 1) Compressor Unit # 9A = Solar MARS (14100 HP = 10.51 MW)
- 2) Compressor Unit # 9B = Solar MARS (14100 HP = 10.51 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><i>SITE RESTORATION</i></b>				
Site restoration incl. remove & replace & grade site with gravel Site Location Area	420000	SFt	0.70	294,400
<b><i>REMOVE and DISPOSE BUILDINGS</i></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building	5216	SFt	86.70	452,200
B) Control Building	3704	SFt	65.00	240,700
Fuel Gas Bldg.	247	SFt	16.30	4,000
Instrument Bldg.	161	SFt	16.30	2,600
C) Gas Coolers	5679	SFt	37.90	215,200
Lub Oil Cooler #	124	SFt	16.30	2,000
D) OTHER YARD BLDGS.				
Storage Building	2000	SFt	13.50	27,000
Flammable Liquid Storage Bldg.	124	SFt	16.30	2,000
Water Storage Building	93	SFt	17.20	1,600
Valve Shelter	323	SFt	17.20	5,600
Pump Bldg. with Fire Pump	31	SFt	17.20	500
Water well	1	ea	5,810	5,800
<b><i>REMOVE and DISPOSE YARD EQUIPMENTS</i></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	5	ea	29,030	145,200
500 Gallon Gasolin Tank (Above Ground )	1	ea	2,320	2,300
Chemical Tank	1	ea	2,320	2,300
Station Blow Down Silencer	1	ea	2,320	2,300
<b><i>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</i></b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	435,490	435,500
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	71,500	71,500
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	24,670	24,700
Cooling Water Equipments & Piping (System 8)	1	Lot	88,010	88,000
Compressed Air Equipments & Piping (System 10)	1	Lot	19,820	19,800
Lub Oil Equipments & Piping (System 11)	1	Lot	17,970	18,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	23,020	23,000
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	23,410	23,400
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	11,660	11,700
	0	0	0	0
Site Overhead & Supervision	1	Lot	389,740	389,700
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	565,860	565,900
<b><i>Sub Total Construction</i></b>				<b><i>3,076,900</i></b>

### IONE Compressor Station

- 1) Compressor Unit # 9A = Solar MARS (14100 HP = 10.51 MW)
- 2) Compressor Unit # 9B = Solar MARS (14100 HP = 10.51 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			183,800
ENGINEERING	4.2% Lot			128,700
CONSTRUCTION MANAGEMENT	14.9% Lot			459,600
<i>Sub Total TCPL</i>				<i>772,100</i>
<i>Sub Total</i>				<i>3,849,000</i>
CONTINGENCY Contingency @	15.0%			577,400
<i>Total Retirement Cost</i>				<i>4,426,400</i>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			769,200
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	2 Units		261,310	522,600
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	420000.0 m2		0.70	294,400

## KENT Compressor Station

- 1) Compressor Unit # 10A = Solar MARS (14100 HP = 10.51 MW)
- 2) Compressor Unit # 10B = R/R AVON (14300 HP = 10.66 MW)
- 3) Compressor Unit # 10C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b>SITE RESTORATION</b>				
Site restoration incl. remove & replace & grade site with gravel				
Site Location Area	240000	SFt	0.70	168,200
<b>REMOVE and DISPOSE BUILDINGS</b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building	2593	SFt	86.70	224,800
Compressor Building # 1	1482	SFt	86.70	128,400
Compressor Building # 2	3457	SFt	86.70	299,700
B) Control Building	3951	SFt	65.00	256,800
MCC Bldg.	247	SFt	21.70	5,400
Instrument Bldg.	108	SFt	16.30	1,800
C) Gas Coolers	4444	SFt	37.90	168,400
Lub Oil Cooler #	370	SFt	16.30	6,000
Lub Oil Mist Eliminator	31	SFt	16.30	500
D) OTHER YARD BLDGS.				
Storage Building	741	SFt	16.30	12,100
Flammable Liquid Storage Bldg.	247	SFt	16.30	4,000
Valve Shelter	430	SFt	17.20	7,400
Snow Shelter	31	SFt	17.20	500
Microwave Tower	1	ea	58,040	58,000
Water Well	1	ea	5,810	5,800
<b>REMOVE and DISPOSE YARD EQUIPMENTS</b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	2	ea	29,030	58,100
Scrubber Separator	1	ea	3,490	3,500
Emergency Generator	1	ea	1,170	1,200
Utility Transformer	1	ea	1,170	1,200
<b>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	580,620	580,600
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	95,300	95,300
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	32,830	32,800
Cooling Water Equipments & Piping (System 8)	1	Lot	117,250	117,300
Compressed Air Equipments & Piping (System 10)	1	Lot	26,420	26,400
Lub Oil Equipments & Piping (System 11)	1	Lot	23,990	24,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	30,600	30,600
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	31,180	31,200
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	15,640	15,600
	0	0	0	0
Site Overhead & Supervision	1	Lot	519,620	519,600
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	754,510	754,500
<b>Sub Total Construction</b>				<b>3,639,700</b>



### KENT Compressor Station

- 1) Compressor Unit # 10A = Solar MARS (14100 HP = 10.51 MW)
- 2) Compressor Unit # 10B = R/R AVON (14300 HP = 10.66 MW)
- 3) Compressor Unit # 10C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			217,500
ENGINEERING	4.2% Lot			152,200
CONSTRUCTION MANAGEMENT	14.9% Lot			543,700
<i>Sub Total TCPL</i>				<i>913,400</i>
<i>Sub Total</i>				<i>4,553,100</i>
CONTINGENCY				
Contingency @	15.0%			683,000
<i>Total Retirement Cost</i>				<i>5,236,100</i>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			909,900
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	3 Units		261,310	783,900
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	240000.0 m2		0.70	168,200

# **MADRAS Compressor Station**

- 1) Compressor Unit # 11A = Solar MARS (15000 HP = 11.19 MW)
- 2) Compressor Unit # 11B = Solar MARS (14100 HP = 10.51 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b>SITE RESTORATION</b>				
Site restoration incl. remove & replace & grade site with gravel				
Site Location Area	300000	SFt	0.70	210,300
** Add'l Cost for Full Reclamation Federal Land (Top soil & seed)	0	SFt	1.30	0
<b>REMOVE and DISPOSE BUILDINGS</b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building	4444	SFt	86.70	385,300
B) Control Building	2778	SFt	65.00	180,600
MCC Bldg.	494	SFt	21.70	10,700
Fuel Gas Bldg.	309	SFt	16.30	5,000
Instrument Bldg.	161	SFt	16.30	2,600
C) Gas Coolers	6914	SFt	37.90	262,000
Lub Oil Cooler #	370	SFt	16.30	6,000
D) OTHER YARD BLDGS.				
Storage Building	864	SFt	16.30	14,100
Water Storage Tank Building	309	SFt	16.30	5,000
Oil Storage Bldg.	124	SFt	17.20	2,100
Valve Shelter	484	SFt	17.20	8,300
Microwave Tower	1	ea	58,040	58,000
Water Well	1	ea	5,810	5,800
<b>REMOVE and DISPOSE YARD EQUIPMENTS</b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	2	ea	29,030	58,100
Scrubber Seperator	1	ea	3,490	3,500
<b>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	435,490	435,500
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	71,500	71,500
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	24,670	24,700
Cooling Water Equipments & Piping (System 8)	1	Lot	88,010	88,000
Compressed Air Equipments & Piping (System 10)	1	Lot	19,820	19,800
Lub Oil Equipments & Piping (System 11)	1	Lot	17,970	18,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	23,020	23,000
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	23,410	23,400
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	11,660	11,700
	0		0	0
Site Overhead & Supervision	1	Lot	389,740	389,700
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	565,860	565,900
<b>Sub Total Construction</b>				<b>2,888,600</b>

### MADRAS Compressor Station

- 1) Compressor Unit # 11A = Solar MARS (15000 HP = 11.19 MW)
- 2) Compressor Unit # 11B = Solar MARS (14100 HP = 10.51 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			172,600
ENGINEERING	4.2% Lot			120,800
CONSTRUCTION MANAGEMENT	14.9% Lot			431,500
<i>Sub Total TCPL</i>				<i>724,900</i>
<i>Sub Total</i>				<i>3,613,500</i>
CONTINGENCY Contingency @	15.0%			542,000
<i>Total Retirement Cost</i>				<i>4,155,500</i>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			722,200
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	2 Units		261,310	522,600
Real Estate Value per Station = ZERO (We Don't Owne this Land)	1 Lot		0	0
Surface Restoration	300000.0 m2		0.70	210,300
<b>Add'l Surface Restoration ( Top Soil &amp; Sodding Cost ) for Agricultural STD.</b>	300000.0 m2		1.30	388,500

## BEND Compressor Station

- 1) Compressor Unit # 12A = GE LM1600 (16600 HP = 12.38 MW)
- 2) Compressor Unit # 12B = R/R AVON (14300 HP = 10.66 MW)
- 3) Compressor Unit # 12C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><i>SITE RESTORATION</i></b>				
Site restoration incl. remove & replace & grade site with gravel				
Site Location Area	300000	SFt	0.70	210,300
** Add'l Cost for Full Reclamation Federal Land (Top soil & seed)	0	SFt	1.30	0
<b><i>REMOVE and DISPOSE BUILDINGS</i></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building				
Compressor Building # 1	1664	SFt	86.70	144,300
Compressor Building # 2	1664	SFt	86.70	144,300
Compressor Building # 3	3520	SFt	86.70	305,200
B) Control Building	4560	SFt	65.00	296,400
MCC Bldg.	560	SFt	21.70	12,200
Instrument Bldg.	108	SFt	16.30	1,800
C) Gas Coolers	4480	SFt	37.90	169,800
Lub Oil Cooler # 1	384	SFt	16.30	6,300
D) OTHER YARD BLDGS.				
Flammable Liquid Storage Bldg.	448	SFt	16.30	7,300
Purge Valve Bldg.	64	SFt	17.20	1,100
Valve Shelter	484	SFt	17.20	8,300
Water Well	1	ea	5,810	5,800
<b><i>REMOVE and DISPOSE YARD EQUIPMENTS</i></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber	2	ea	29,030	58,100
Scrubber Separator	1	ea	3,490	3,500
Blow Down Silencer	2	ea	2,320	4,600
Unit Silencers	3	ea	2,320	7,000
550 Gallon Diesel Tank	1	ea	2,320	2,300
Nitrogen Tank	1	ea	2,320	2,300
<b><i>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</i></b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	580,620	580,600
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	95,300	95,300
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	32,830	32,800
Cooling Water Equipments & Piping (System 8)	1	Lot	117,250	117,300
Compressed Air Equipments & Piping (System 10)	1	Lot	26,420	26,400
Lub Oil Equipments & Piping (System 11)	1	Lot	23,990	24,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	30,600	30,600
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	31,180	31,200
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	15,640	15,600
	0	0	0	0
Site Overhead & Supervision	1	Lot	519,620	519,600
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	754,510	754,500

**BEND Compressor Station**

- 1) Compressor Unit # 12A = GE LM1600 (16600 HP = 12.38 MW)
- 2) Compressor Unit # 12B = R/R AVON (14300 HP = 10.66 MW)
- 3) Compressor Unit # 12C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<i>Sub Total Construction</i>				<i>3,618,800</i>

### BEND Compressor Station

- 1) Compressor Unit # 12A = GE LM1600 (16600 HP = 12.38 MW)
- 2) Compressor Unit # 12B = R/R AVON (14300 HP = 10.66 MW)
- 3) Compressor Unit # 12C = Solar TITAN (19500 HP = 14.54 MW)

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0%	Lot		216,200
ENGINEERING	4.2%	Lot		151,400
CONSTRUCTION MANAGEMENT	14.9%	Lot		540,600
<i>Sub Total TCPL</i>				<i>908,200</i>
<i>Sub Total</i>				<i>4,527,000</i>
CONTINGENCY				
Contingency @	15.0%			679,100
<i>Total Retirement Cost</i>				<i>5,206,100</i>
<b>Cost Included in TCPL Estimate :</b>				
Environmental Cost included in above Cost @ 25% Of Construction Cost	25%			904,700
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	3	Units	261,310	783,900
Real Estate Value per Station = ZERO (We Don't Own this Land)	1	Lot	0	0
Surface Restoration	300000.0	m2	0.70	210,300
Add'l Surface Restoration ( Top Soil & Sodding Cost ) for Agricultural STD.	300000.0	m2	1.30	388,500

### CHEMULT Compressor Station

- 1) Compressor Unit # 13C = R/R AVON (14000 HP = 10.44 MW)
- 2) Compressor Unit # 13D = R/R AVON (14400 HP = 10.74 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b><i>SITE RESTORATION</i></b>				
Site restoration incl. remove & replace & grade site with gravel Site Location Area	800000	SFt	0.70	560,800
<b><i>REMOVE and DISPOSE BUILDINGS</i></b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building				
Compressor Building # 1	1667	SFt	86.70	144,500
Compressor Building # 2	1667	SFt	86.70	144,500
B) Control Building	1111	SFt	65.00	72,200
Auxillary Bldg.	5432	SFt	54.20	294,400
Generator / Gas Cooler / MCC Bldg.	772	SFt	21.70	16,700
Instrument Bldg.	108	SFt	16.30	1,800
C) Gas Coolers	6173	SFt	37.90	233,900
D) OTHER YARD BLDGS.				
CAT Shelter	741	SFt	19.90	14,700
Storage Building # 1	124	SFt	17.20	2,100
Storage Building # 2	247	SFt	17.20	4,200
Flammable Liquid Storage Bldg.	124	SFt	9.00	1,100
Valve Shelter	377	SFt	17.20	6,500
Microwave Bldg.	124	SFt	17.20	2,100
Microwave Tower	1	ea	58,040	58,000
Water Well	1	ea	5,810	5,800
<b><i>REMOVE and DISPOSE YARD EQUIPMENTS</i></b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Station Blow Down Silencer	1	ea	2,320	2,300
Unit Blow Down Silencer	2	ea	2,320	4,600
500 Gallon Diesel Tank	1	ea	2,320	2,300
<b><i>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</i></b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	435,490	435,500
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	71,500	71,500
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	24,670	24,700
Cooling Water Equipments & Piping (System 8)	1	Lot	88,010	88,000
Compressed Air Equipments & Piping (System 10)	1	Lot	19,820	19,800
Lub Oil Equipments & Piping (System 11)	1	Lot	17,970	18,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	23,020	23,000
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	23,410	23,400
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	11,660	11,700
	0	0	0	0
Site Overhead & Supervision	1	Lot	389,740	389,700
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	565,860	565,900

**CHEMULT Compressor Station**

- 1) Compressor Unit # 13C = R/R AVON (14000 HP = 10.44 MW)
- 2) Compressor Unit # 13D = R/R AVON (14400 HP = 10.74 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<i>Sub Total Construction</i>				<i>3,243,700</i>



### CHEMULT Compressor Station

- 1) Compressor Unit # 13C = R/R AVON (14000 HP = 10.44 MW)
- 2) Compressor Unit # 13D = R/R AVON (14400 HP = 10.74 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			193,800
ENGINEERING	4.2% Lot			135,700
CONSTRUCTION MANAGEMENT	14.9% Lot			484,500
<i>Sub Total TCPL</i>				<i>814,000</i>
<i>Sub Total</i>				<i>4,057,700</i>
CONTINGENCY				
Contingency @	15.0%			608,700
<i>Total Retirement Cost</i>				<i>4,666,400</i>
<b>Cost Included in TCPL Estimate :</b>				
Environmental Cost included in above Cost @ 25% Of Construction Cost	25%			810,900
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	2 Units		261,310	522,600
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	800000.0 m2		0.70	560,800

## BONANZA Compressor Station

- 1) Compressor Unit # 14A = Solar MARS (13000 HP = 9.69 MW)
- 2) Compressor Unit # 14B = Solar TITAN (19500 HP = 14.54 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>CONSTRUCTION :</b>				
<b>SITE RESTORATION</b>				
Site restoration incl. remove & replace & grade site with gravel				
Site Location Area	420000	SFt	0.70	294,400
<b>REMOVE and DISPOSE BUILDINGS</b>				
Remove & Dispose Complete Building incl. Foundations, Walls, Struct. Steel, Roofing, All Equipments, Piping, Electrical, Crane, etc				
A) Compressor Building				
Compressor Building # 1	5617	SFt	86.70	487,000
B) Control Building				
MCC Bldg.	3549	SFt	65.00	230,700
Fuel Gas Bldg.	62	SFt	21.70	1,300
Instrument Bldg.	309	SFt	16.30	5,000
	161	SFt	16.30	2,600
C) Gas Coolers				
Lub Oil Cooler #	3704	SFt	37.90	140,400
	494	SFt	16.30	8,000
D) OTHER YARD BLDGS.				
Storage Building	1080	SFt	13.50	14,600
Fire Extinguisher Shelter	54	SFt	17.20	900
Odorizer Bldg.	370	SFt	16.30	6,000
Odorizer Filling Station	0	SFt	16.30	0
Odour & Injunction Vault	0	SFt	16.30	0
Emergency Generator Bldg..	370	SFt	16.30	6,000
Valve Shelter	323	SFt	17.20	5,600
Water Well	1	ea	5,810	5,800
<b>REMOVE and DISPOSE YARD EQUIPMENTS</b>				
Remove and Dispose All Yard Equipments incl. Equipments, Piping, Foundations, Electrical, etc				
Scrubber Separator	1	ea	3,490	3,500
Station Blow Down Silencer	2	ea	2,320	4,600
Fire Suppression Water Storage Tank	1	ea	2,320	2,300
<b>REMOVE EQUIPMENTS, PIPING for HP &amp; OTHER SERVICES</b>				
Equipments & Piping in Compressor bldg, (System 1)	1	Lot	435,490	435,500
HP Piping in Compressor Bldg. & Yard (System 6)	1	Lot	71,500	71,500
Fuel & Start Gas Equipments & Piping (System 7)	1	Lot	24,670	24,700
Cooling Water Equipments & Piping (System 8)	1	Lot	88,010	88,000
Compressed Air Equipments & Piping (System 10)	1	Lot	19,820	19,800
Lub Oil Equipments & Piping (System 11)	1	Lot	17,970	18,000
Heateng & Ventilation & A/C Equipments & Piping (System 14)	1	Lot	23,020	23,000
Sanitary & Storm Seware Equipments & Piping (System 15)	1	Lot	23,410	23,400
Electrical & Instrumentation Equipments & Tubing,Conduits (System 17)	1	Lot	11,660	11,700
	0	0	0	0
Site Overhead & Supervision	1	Lot	389,740	389,700
Site Additives i.e Mob Demob,Hydrowec,Trucking,Subsistance etc	1	Lot	565,860	565,900
<b>Sub Total Construction</b>				<b>2,889,900</b>

### BONANZA Compressor Station

- 1) Compressor Unit # 14A = Solar MARS (13000 HP = 9.69 MW)
- 2) Compressor Unit # 14B = Solar TITAN (19500 HP = 14.54 MW)
- 3) Compressor Unit #

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
PROJECT MANAGEMENT	6.0% Lot			172,700
ENGINEERING	4.2% Lot			120,900
CONSTRUCTION MANAGEMENT	14.9% Lot			431,700
<i>Sub Total TCPL</i>				<i>725,300</i>
<i>Sub Total</i>				<i>3,615,200</i>
CONTINGENCY				
Contingency @	15.0%			542,300
<i>Total Retirement Cost</i>				<i>4,157,500</i>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost included in above Cost @ 25% Of Construction Cost	25%			722,500
Salvage Value (for Parts & Scrap steel ) \$/ea Unit	2 Units		261,310	522,600
Real Estate Value per Station (80,000 US\$ in ' 04\$ per Previous report)	1 Lot		83,230	83,200
Surface Restoration	420000.0 m2		0.70	294,400

**TYPICAL MINOR METER STATION REMOVAL COST ( 41 ea. Required )**

**COST FOR EACH MINOR METER STATION (2006 US\$)**

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>MINOR METER BUILDING - Cost per Each Station ( 41 ea )</b>				
1) Remove Meter Bldg.complete excl. Foundation concrete ( allow 4man x 3days @ 10 hr/day = 120hrs @ 74.20 \$/hr	120	hr	97.10	11,700
2) Remove Control Bldg.complete excl. Foundation Concrete ( allow 4man x 2days @ 10 hr/day = 80hrs @ 74.20 \$/hr	80	hr	97.10	7,800
3) Remove Control / Meter Bldg. Foundation Concrete( =400cft) ( allow 0.142 hrs/Cft @ 74.20 \$/hr = 10.55 \$/Cft + 1.15 \$/Cft ( backfill mat'l & labour)	400	CFt	12.20	4,900
4) Remove Valves, Meters, Piping, & instrumentation etc ( allow 4man x 4days @ 10 hr/day =160 hrs @ 74.20 \$/hr)	160	hr	97.10	15,500
5) Surface restoration, Fence etc ( approx 130 ft x 150 ft )	19400	SFt	0.70	13,600
6) Enviornmental Cost for Hazardous Material for Agricultural Std.(Top Soil & Sod)	0	Lot	48,570	0
Enviornmental Cost for Hazardous Material Industrial Std.(Gravel top)	1	Lot	14,570	14,600
<b>Sub Total Construction</b>				<b>68,100</b>
<b>PROJECT MANAGEMENT</b>	90	hr	90	8,100
<b>ENGINEERING +( Enviornmental, &amp; Survey contract 6000\$)</b>	70	hr	90	6,300
<b>CONSTRUCTION MANAGEMENT</b>	110	hr	100	11,000
<b>Sub Total TCPL</b>				<b>25,400</b>
<b>Sub Total</b>				<b>93,500</b>
Contingency @	15.00%			14,000
<b>Total Retirement Cost</b>				<b>107,500</b>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost for Contaminated Stations = ZERO\$ ( NO Contaminated stations)	0	ea	63,140	0
Enviornmental Cost for Non Contaminated Stations(soil sample only)	41	ea	14,570	597,400
Salvage Value (for Parts & Scrap steel ) @ ZERO \$/ea Unit	41	ea	0	0
Real Estate Value per Station assumed Zero	41	ea	0	0
Surface Restoration	19400.0	SFt	0.70	13,600
<b>** Assumed NO Contaminated Sites for Minor Meter Stations</b> Minor Meter Station Real Estate Value =ZERO Salvage Value assumed = ZERO				

**TYPICAL MAJOR METER STATION REMOVAL COST ( 4 ea. Required )**

**COST FOR EACH MAJOR METER STATION (2006 US\$)**

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>MAJOR METER BUILDING - Cost per Each Station ( 4 ea )</b>				
1) Remove Meter Bldg.complete excl. Foundation concrete ( allow 4man x 5days @ 10 hr/day = 200hrs @ 74.20 \$/hr	200	hr	97.10	19,400
2) Remove Control Bldg.complete excl. Foundation Concrete ( allow 4man x 4days @ 10 hr/day =160hrs @ 74.20 \$/hr	160	hr	97.10	15,500
3) Remove Control / Meter Bldg. Foundation Concrete( =800cft) ( allow 0.142 hrs/CFt @ 74.20 \$/hr = 10.55 \$/CFt + 1.15 \$/CFt ( backfill mat'l & labour)	800	CFt	12.20	9,800
4) Remove Valves, Meters, Piping, & instrumentation etc ( allow 4man x 8 days @ 10hr/day = 320 hrs @ 74.20 \$/hr)	320	hr	97.10	31,100
5) Surface restoration, Fence etc (approx 165 ft x 210 ft)	34970	SFt	0.70	24,500
6) Enviornmental Cost for Hazardous Material	0	Lot	48,570	0
Enviornmental Cost for Hazardous Material	1	Lot	14,570	14,600
7) Allowance for misc. appurtenances	1	lot	19,430	19,400
<b>Sub Total Construction</b>				<b>134,300</b>
<b>PROJECT MANAGEMENT</b>	120	hr	90	10,800
<b>ENGINEERING+ ( enviornmental &amp; survey contractor 7000\$)</b>	80	hr	90	7,200
<b>CONSTRUCTION MANAGEMENT</b>	120	hr	100	12,000
<b>Sub Total TCPL</b>				<b>30,000</b>
<b>Sub Total</b>				<b>164,300</b>
Contingency @	15.00%			24,600
<b>Total Retirement Cost</b>				<b>188,900</b>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost for Contaminated Stations	0	ea	63,140	0
Enviornmental Cost for Non Contaminated Stations(soil sample only)	4	ea	14,570	58,300
Salvage Value (for Parts & Scrap steel ) @ ZERO \$/ea Unit	4	ea	0	0
Real Estate Value per Station	4	ea	9,360	37,400
Surface Restoration	34970.0	Sft	0.70	24,500
<b>** Assumed NO Contaminated Sites for Major Meter Stations</b> Major Meter Station Real Estate Value =2,000 + 7,000 US\$ ( ' 04\$ per previous report) Salvage Value assumed = ZERO				

**TYPICAL MAIN METER STATION REMOVAL COST ( 1 ea. Required )**

**COST FOR EACH MAIN METER STATION (2006 US\$)**

DESCRIPTION	QTY.	Units	Unit Cost 2006 US\$	Total Cost 2006 US\$
<b>MAIN METER BUILDING - Cost per Each Station ( 1 ea )</b>				
1) Remove Meter Bldg.complete excl. Foundation concrete ( allow 4man x 5days @ 10 hr/day = 200hrs @ 74.20 \$/hr	600	hr	97.10	58,300
2) Remove Control Bldg.complete excl. Foundation Concrete ( allow 4man x 4days @ 10 hr/day =160hrs @ 74.20 \$/hr	480	hr	97.10	46,600
3) Remove Control / Meter Bldg. Foundation Concrete ( allow 0.142 hrs/CFt @ 74.20 \$/hr = 10.55 \$/Cft + 1.15 \$/Cft ( backfill mat'l & labour)	2,470	CFt	12.20	30,100
4) Remove Valves, Meters, Piping, & instrumentation etc ( allow 4man x 8 x 3 days @ 10hr/day = 960 hrs @ 74.20 \$/hr)	960	hr	97.10	93,200
5) Surface restoration, Fence etc ( approx 300 ft x 350 ft )	104,910	SFt	0.70	73,500
6) Enviornmental Cost for Hazardous Material ( Remove Oderant System )	1	Lot	520,200	520,200
Enviornmental Cost for Hazardous Material	1	Lot	14,570	14,600
7) Allowance for misc. appurtenances	1	lot	29,140	29,100
<b>Sub Total Construction</b>				<b>865,600</b>
<b>PROJECT MANAGEMENT</b>	360	hr	90	32,400
<b>ENGINEERING+ ( enviornmental &amp; survey contractor 7000\$)</b>	240	hr	90	21,600
<b>CONSTRUCTION MANAGEMENT</b>	360	hr	100	36,000
<b>Sub Total TCPL</b>				<b>90,000</b>
<b>Sub Total</b>				<b>955,600</b>
Contingency @	15.00%			143,300
<b>Total Retirement Cost</b>				<b>1,098,900</b>
<b>Cost Included in TCPL Estimate :</b>				
Enviornmental Cost for Contaminated Stations (Remove Oderant System)	1	ea	520,200	520,200
Enviornmental Cost for Non Contaminated Stations(soil sample only)	1	ea	14,570	14,600
Salvage Value (for Parts & Scrap steel ) @ 0.00 \$/ea Unit	1	ea	0	0
Real Estate Value per Station assumed 9,000 US\$ ( '04\$)	1	ea	9,360	9,400
Surface Restoration	104,910	SFt	0.70	73,500
<b>** Assumed Main Meter Station is Contaminated Sites with Oderant System</b> <b>Note For MAIN METER Station add 500,000 ( '04\$) for removal of Oderant System</b> Main Meter Station Real Estate Value = 2000 + 7000 US\$ ( '04 \$ ) per previous report Salvage Value assumed = ZERO Main Meter Station Cost = 3 x Single Major Meter Station + 500,000 \$ ( '04\$)for Odoriser Cleanup (per GTN '04 estimate)				

## Compressor Stations Listing

Line	Valve	Compressor Station
A	5003001	Eastport
A	5004001	Sandpoint
A	5005001	Athol
A	5006001	Rosalia
A	5007001	Starbuck
A	5008001	Wallula
A	5008201	Stanfield
A	5009001	Ione
A	5010001	Kent
A	5011001	Madras
A	5012001	Bend
A	5013001	Chemult
A	5014001	Bonanza
B	5003002	Eastport
B	5004002	Sandpoint
B	5005002	Athol
B	5006002	Rosalia
B	5007002	Starbuck
B	5008002	Wallula
B	5008202	Stanfield
B	5009002	Ione
B	5010002	Kent
B	5011002	Madras
B	5012002	Bend
B	5013002	Chemult
B	5014002	Bonanza
C	5005003	Athol
ML	5201000	Bonanza

Station Number	Compressor Station
3	Eastport
4	Sandpoint
5	Athol
6	Rosalia
7	Starbuck
8	Wallula
9	Ione
10	Kent
11	Madras
12	Bend
13	Chemult
14	Bonanza
Stanfield	Stanfield

Station/ Unit	Type	Max. HP*
3A	R/R Avon	14,700
3B	R/R RB211	35,000
4A	Solar Titan	19,500
4B	Solar Mars Solonox	15,000
4C	Solar Mars	14,000
5B	R/R Avon	14,600
5C	R/R RB211	35,000
6A	Solar Mars Solonox	14,500
6B	GE LM 1500	12,500
6C	Solar Titan	19,500
7B	R/R Avon	14,300
7C	R/R RB211	40,000
8A	Solar Titan	19,500
8B	Solar Titan	17,800
8C	R/R Avon	14,300
Stanfield	Solar Saturn	1,600
9A	Solar Mars	14,100
9B	Solar Mars	14,100
10A	Solar Mars	14,100
10B	R/R Avon	14,300
10C	Solar Titan	19,500
11A	Solar Mars	15,000
11B	Solar Mars	14,100
12A	GE LM 1500	16,600
12B	R/R Avon	14,300
12C	Solar Titan	19,500
13C	R/R Avon	14,000
13D	R/R Avon	14,400
14A	Solar Mars	13,000
14B	Solar Titan	19,500
A	R/R Allison	7,200
B	R/R Allison	7,200
C	R/R Allison	7,200
D	R/R Allison	7,200

\* ISO