Kaitaia WASTEWATER: Kaikohe WWTP Disposal to Land high level cost estimate (based on Beca estimate dated 30 Oct 2020)

AVERAGE CAPITAL Rate - per connection	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
Option Estimate	$ -	$ -	$ -	$ -	$ 281.69	$ 277.10	$ 272.51	$ 267.92	$ 263.33	$ 258.74
Option Estimate 35%	$ -	$ -	$ -	$ -	$ 183.10	$ 180.12	$ 177.13	$ 174.15	$ 171.16	$ 168.18
Option Estimate 50%	$ -	$ -	$ -	$ -	$ 422.54	$ 415.65	$ 408.77	$ 401.88	$ 394.99	$ 388.10

OPERATING Rate per connection	Rate based on opex spend on Options
Option Estimate	$ -
Option Estimate 35%	$ -
Option Estimate 50%	

Current connections	CAPITAL	OPERATING
Connections	2,605	12764
Availability	96	
Pans	852	4141
Weighted Numbers	**3212**	**15249**

Interest Rates

Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
0.022	0.018	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015

			Cost Estimates							Depreciation										
Asset Detail	Total Spend	Average Depreciable Life	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
Option Estimate																				
Conveyance from WWTP to	3,680,625	75				3,680,625				0	0	0	0	49,075	49,075	49,075	49,075	49,075	49,075
Conveyance from WWTP to	920,156	35				920,156				0	0	0	0	26,290	26,290	26,290	26,290	26,290	26,290
Irrigation scheme and reservoir	2,772,266	15				2,772,266				0	0	0	0	184,818	184,818	184,818	184,818	184,818	184,818
Irrigation scheme and reservoir	2,772,266	50				2,772,266				0	0	0	0	55,445	55,445	55,445	55,445	55,445	55,445
General 50% Electrical and	2,477,344	15				2,477,344				0	0	0	0	165,156	165,156	165,156	165,156	165,156	165,156
General 50% Tank / Civil	2,477,344	50				2,477,344				0	0	0	0	49,547	49,547	49,547	49,547	49,547	49,547
Land Purchase - Non Depreciating	2,000,000	0				2,000,000				0	0	0	0	0	0	0	0	0	0
Opex	0	0								0	0	0	0	0	0	0	0	0	0
	17,100,000		**0**	**0**	**0**	**17,100,000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**530,331**	**530,331**	**530,331**	**530,331**	**530,331**	**530,331**
Option Estimate 35%																				
Conveyance from WWTP to	2,392,406	75				2,392,406				0	0	0	0	31,899	31,899	31,899	31,899	31,899	31,899
Conveyance from WWTP to	598,102	35				598,102				0	0	0	0	17,089	17,089	17,089	17,089	17,089	17,089
Irrigation scheme and reservoir	1,801,973	15				1,801,973				0	0	0	0	120,132	120,132	120,132	120,132	120,132	120,132
Irrigation scheme and reservoir	1,801,973	50				1,801,973				0	0	0	0	36,039	36,039	36,039	36,039	36,039	36,039
General 50% Electrical and	1,610,273	15				1,610,273				0	0	0	0	107,352	107,352	107,352	107,352	107,352	107,352
General 50% Tank / Civil	1,610,273	50				1,610,273				0	0	0	0	32,205	32,205	32,205	32,205	32,205	32,205
Land Purchase - Non Depreciating	1,300,000	0				1,300,000				0	0	0	0	0	0	0	0	0	0
Opex	0	0	0							0	0	0	0	0	0	0	0	0	0
	11,115,000		**0**	**0**	**0**	**11,115,000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**344,715**	**344,715**	**344,715**	**344,715**	**344,715**	**344,715**
Option Estimate 50%																				
Conveyance from WWTP to	5,520,938	75				5,520,938				0	0	0	0	73,613	73,613	73,613	73,613	73,613	73,613
Conveyance from WWTP to	1,380,234	35				1,380,234				0	0	0	0	39,435	39,435	39,435	39,435	39,435	39,435
Irrigation scheme and reservoir	4,158,398	15				4,158,398				0	0	0	0	277,227	277,227	277,227	277,227	277,227	277,227
Irrigation scheme and reservoir	4,158,398	50				4,158,398				0	0	0	0	83,168	83,168	83,168	83,168	83,168	83,168
General 50% Electrical and	3,716,016	15				3,716,016				0	0	0	0	247,734	247,734	247,734	247,734	247,734	247,734
General 50% Tank / Civil	3,716,016	50				3,716,016				0	0	0	0	74,320	74,320	74,320	74,320	74,320	74,320
Land Purchase - Non Depreciating	3,000,000	0				3,000,000				0	0	0	0	0	0	0	0	0	0
Opex	0	0	0							0	0	0	0	0	0	0	0	0	0
	25,650,000		**0**	**0**	**0**	**25,650,000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**795,497**	**795,497**	**795,497**	**795,497**	**795,497**	**795,497**

			Debt Repayment										Interest									
Asset Detail	Total Spend	Average Depreciable Life	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10
Option Estimate																						
Conveyance from WWTP to	3,680,625	75	0	0	0	0	184,031	184,031	184,031	184,031	184,031	184,031	0	0	0	0	55,209	52,449	49,688	46,928	44,168	41,407
Conveyance from WWTP to	920,156	35	0	0	0	0	46,008	46,008	46,008	46,008	46,008	46,008	0	0	0	0	13,802	13,112	12,422	11,732	11,042	10,352
Irrigation scheme and reservoir	2,772,266	15	0	0	0	0	138,613	138,613	138,613	138,613	138,613	138,613	0	0	0	0	41,584	39,505	37,426	35,346	33,267	31,188
Irrigation scheme and reservoir	2,772,266	50	0	0	0	0	138,613	138,613	138,613	138,613	138,613	138,613	0	0	0	0	41,584	39,505	37,426	35,346	33,267	31,188
General 50% Electrical and	2,477,344	15	0	0	0	0	123,867	123,867	123,867	123,867	123,867	123,867	0	0	0	0	37,160	35,302	33,444	31,586	29,728	27,870
General 50% Tank / Civil	2,477,344	50	0	0	0	0	123,867	123,867	123,867	123,867	123,867	123,867	0	0	0	0	37,160	35,302	33,444	31,586	29,728	27,870
Land Purchase - Non Depreciating	2,000,000	0	0	0	0	0	100,000	100,000	100,000	100,000	100,000	100,000	0	0	0	0	30,000	28,500	27,000	25,500	24,000	22,500
Opex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17,100,000		**0**	**0**	**0**	**0**	**855,000**	**855,000**	**855,000**	**855,000**	**855,000**	**855,000**	**0**	**0**	**0**	**0**	**256,500**	**243,675**	**230,850**	**218,025**	**205,200**	**192,375**
Option Estimate 35%																						
Conveyance from WWTP to	2,392,406	75	0	0	0	0	119,620	119,620	119,620	119,620	119,620	119,620	0	0	0	0	35,886	34,092	32,297	30,503	28,709	26,915
Conveyance from WWTP to	598,102	35	0	0	0	0	29,905	29,905	29,905	29,905	29,905	29,905	0	0	0	0	8,972	8,523	8,074	7,626	7,177	6,729
Irrigation scheme and reservoir	1,801,973	15	0	0	0	0	90,099	90,099	90,099	90,099	90,099	90,099	0	0	0	0	27,030	25,678	24,327	22,975	21,624	20,272
Irrigation scheme and reservoir	1,801,973	50	0	0	0	0	90,099	90,099	90,099	90,099	90,099	90,099	0	0	0	0	27,030	25,678	24,327	22,975	21,624	20,272
General 50% Electrical and	1,610,273	15	0	0	0	0	80,514	80,514	80,514	80,514	80,514	80,514	0	0	0	0	24,154	22,946	21,739	20,531	19,323	18,116
General 50% Tank / Civil	1,610,273	50	0	0	0	0	80,514	80,514	80,514	80,514	80,514	80,514	0	0	0	0	24,154	22,946	21,739	20,531	19,323	18,116
Land Purchase - Non Depreciating	1,300,000	0	0	0	0	0	65,000	65,000	65,000	65,000	65,000	65,000	0	0	0	0	19,500	18,525	17,550	16,575	15,600	14,625
Opex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11,115,000		**0**	**0**	**0**	**0**	**555,750**	**555,750**	**555,750**	**555,750**	**555,750**	**555,750**	**0**	**0**	**0**	**0**	**166,725**	**158,389**	**150,053**	**141,716**	**133,380**	**125,044**
Option Estimate 50%																						
Conveyance from WWTP to	5,520,938	75	0	0	0	0	276,047	276,047	276,047	276,047	276,047	276,047	0	0	0	0	82,814	78,673	74,533	70,392	66,251	62,111
Conveyance from WWTP to	1,380,234	35	0	0	0	0	69,012	69,012	69,012	69,012	69,012	69,012	0	0	0	0	20,704	19,668	18,633	17,598	16,563	15,528
Irrigation scheme and reservoir	4,158,398	15	0	0	0	0	207,920	207,920	207,920	207,920	207,920	207,920	0	0	0	0	62,376	59,257	56,138	53,020	49,901	46,782
Irrigation scheme and reservoir	4,158,398	50	0	0	0	0	207,920	207,920	207,920	207,920	207,920	207,920	0	0	0	0	62,376	59,257	56,138	53,020	49,901	46,782
General 50% Electrical and	3,716,016	15	0	0	0	0	185,801	185,801	185,801	185,801	185,801	185,801	0	0	0	0	55,740	52,953	50,166	47,379	44,592	41,805
General 50% Tank / Civil	3,716,016	50	0	0	0	0	185,801	185,801	185,801	185,801	185,801	185,801	0	0	0	0	55,740	52,953	50,166	47,379	44,592	41,805
Land Purchase - Non Depreciating	3,000,000	0	0	0	0	0	150,000	150,000	150,000	150,000	150,000	150,000	0	0	0	0	45,000	42,750	40,500	38,250	36,000	33,750
Opex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25,650,000		**0**	**0**	**0**	**0**	**1,282,500**	**1,282,500**	**1,282,500**	**1,282,500**	**1,282,500**	**1,282,500**	**0**	**0**	**0**	**0**	**384,750**	**365,513**	**346,275**	**327,038**	**307,800**	**288,563**