

Capital Charge Calculation - Water Supply

Year of Calculation **2021/22**

Assumptions:

DISCOUNT RATE (pa) FOR ASSETS CONSTRUCTED BEFORE 1 JANUARY 1996 :	3%
DISCOUNT RATE (pa) FOR ASSETS CONSTRUCTED ON OR AFTER 1 JANUARY 1996 :	5%
DISCOUNT RATE (pa) FOR PROPOSED FUTURE ASSETS :	5%

Year	ADAMINABY		BOMBALA		BREDBO		COOMA		DALGETY		DELEGATE		EAST JINDABYNE & BERRIDALE		JINDABYNE		KALKITE		NIMMITABEL		
	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	Recoupable Capital Expenditure	Annual ET Take-up	
	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	(MEERA \$)	(ET)	
Pre 1996	0		103,646		6,944		0		0		0		0		0		0		60,624		
1995/96	0	0	0	0.0	0	0.0	8,999	0	0	0.0	0	0.0	0	0	0	0	0.0	0	0.0	10,486	0.0
1996/97	0	1	0	1.3	0	0.4	0	24	0	0.3	0	1.4	0	11	29,048	23	0	0.3	0	0.9	
1997/98	0	1	163,475	1.3	0	0.4	1,731,890	24	4,420	0.3	20,925	1.4	867,389	11	659,460	23	23,662	0.3	55,495	0.9	
1998/99	0	1	0	1.3	0	0.4	11,778	24	0	0.3	0	1.4	12,845	11	1,338,013	23	4,420	0.3	0	0.9	
1999/00	0	1	754	1.3	0	0.4	0	24	0	0.3	0	1.4	356,422	11	0	24	0	0.3	0	0.9	
2000/01	0	1	0	1.3	0	0.4	0	24	0	0.3	0	1.4	45,983	11	0	24	0	0.3	0	0.9	
2001/02	0	1	0	1.3	0	0.4	0	24	0	0.3	0	1.4	0	11	0	24	0	0.3	0	0.9	
2002/03	0	1	0	1.3	0	0.4	121,891	24	216,471	0.3	0	1.4	336,859	12	347,253	24	16,919	0.3	5,430	0.9	
2003/04	0	1	0	1.3	0	0.4	0	24	0	0.3	0	1.4	0	12	0	25	0	0.3	1,798	1.0	
2004/05	1,834,577	1	0	1.3	0	0.4	0	24	0	0.3	0	1.4	0	12	0	25	0	0.3	52,444	1.0	
2005/06	0	1	0	1.3	21,815	0.4	8,321	24	0	0.3	0	1.5	0	12	0	25	0	0.3	9,558	1.0	
2006/07	3,853	1	0	1.3	28,599	0.4	103,354	25	102,104	0.3	0	1.5	293,572	12	167,034	25	29,939	0.3	0	1.0	
2007/08	0	1	0	1.3	0	0.4	0	25	0	0.3	0	1.5	0	12	0	26	0	0.3	0	1.0	
2008/09	0	1	0	1.3	0	0.4	142,781	25	0	0.3	0	1.5	0	12	0	26	0	0.3	0	1.0	
2009/10	0	1	0	1.3	0	0.4	750,381	25	0	0.3	0	1.5	0	12	8,550	26	371	0.3	0	1.0	
2010/11	0	1	0	1.3	0	0.4	0	25	0	0.3	0	1.5	91,407	13	53,193	26	0	0.3	0	1.0	
2011/12	0	1	0	1.3	0	0.4	133,875	25	0	0.3	0	1.5	0	13	0	27	0	0.3	0	1.0	
2012/13	0	1	0	1.3	0	0.4	16,705	25	0	0.3	0	1.5	0	13	0	27	0	0.3	9,063	1.0	
2013/14	0	1	0	1.4	0	0.4	0	25	0	0.3	0	1.5	0	13	0	27	0	0.3	656,800	1.0	
2014/15	0	1	0	1.4	1,265	0.5	6,046	25	75,755	0.3	0	1.5	0	13	0	27	0	0.3	806,122	1.0	
2015/16	0	1	0	1.4	0	0.5	6,046	26	0	0.3	0	1.5	2,139	13	0	28	0	0.3	0	1.0	
2016/17	0	1	0	1.4	0	0.5	0	26	0	0.3	11,808	1.5	0	13	0	28	0	0.3	0	1.0	
2017/18	0	1	0	1.4	0	0.5	0	26	0	0.3	0	1.5	0	14	0	28	0	0.3	0	1.0	
2018/19	0	1	0	1.4	0	0.5	0	26	0	0.3	0	1.5	14,952	14	0	28	0	0.3	0	1.0	
2019/20	0	1	0	1.4	0	0.5	0	26	0	0.3	0	1.6	0	14	0	29	0	0.3	0	1.0	
2020/21	0	1	0	1.4	0	0.5	0	26	0	0.3	0	1.6	0	14	0	29	0	0.3	0	1.0	
2021/22	15,773	1	16,621	1.4	381	0.5	304,067	26	11,503	0.3	13,040	1.6	120,525	14	525,413	29	7,750	0.3	2,962	1.0	
2022/23	598	1	16,380	1.4	5,001	0.5	1,084,280	26	9,946	0.3	95,083	1.6	9,171	14	436,553	29	24,159	0.3	14,772	1.0	
2023/24	598	1	3,841	1.4	23,818	0.5	357,839	26	11,443	0.3	998	1.6	545,204	14	1,619,579	30	74,308	0.3	660	1.0	
2024/25	20,057	1	692	1.4	4,944	0.5	586,981	26	3,916	0.3	49,613	1.6	892,394	15	585,741	30	167	0.3	2,885	1.1	
2025/26	483	1	692	1.4	24,349	0.5	1,949,146	27	7,659	0.3	807	1.6	392,048	15	1,212,127	30	7,652	0.3	64,276	1.1	
2026/27	483	1	12,634	1.4	47,283	0.5	442,000	27	3,916	0.3	807	1.6	283,277	15	2,498,308	31	167	0.3	533	1.1	
2027/28	20,107	1	12,706	1.4	265	0.5	128,047	27	192	0.3	891	1.6	305,806	15	2,616,836	31	22,639	0.3	589	1.1	
2028/29	483	1	692	1.4	240	0.5	224,938	27	174	0.3	807	1.6	255,847	15	1,464,371	31	167	0.3	533	1.1	
2029/30	534	1	764	1.4	59,068	0.5	268,625	27	11,420	0.3	891	1.6	122,616	15	1,019,151	32	26,382	0.3	44,691	1.1	
2030/31	273	1	390	1.4	136	0.5	317,760	27	98	0.3	455	1.6	321,796	15	551,522	32	94	0.3	301	1.1	
2031/32	0	1	0	1.4	0	0.5	0	27	0	0.4	0	1.6	0	16	0	32	0	0.3	0	1.1	
2032/33	0	1	0	1.4	0	0.5	0	27	0	0.4	0	1.7	0	16	0	32	0	0.3	0	1.1	
2033/34	0	1	0	1.4	0	0.5	0	27	0	0.4	0	1.7	0	16	0	33	0	0.3	0	1.1	
2034/35	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	16	0	33	0	0.3	0	1.1	
2035/36	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	16	0	33	0	0.3	0	1.1	
2036/37	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	16	0	34	0	0.3	0	1.1	
2037/38	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	17	0	34	0	0.3	0	1.1	
2038/39	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	17	0	34	0	0.3	0	1.1	
2039/40	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	17	0	35	0	0.3	0	1.1	
2040/41	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	17	0	35	0	0.3	0	1.1	
2041/42	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	17	0	35	0	0.3	0	1.1	
2042/43	0	1	0	1.4	0	0.5	0	28	0	0.4	0	1.7	0	17	0	36	0	0.3	0	1.1	
2043/44	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.7	0	18	0	36	0	0.3	0	1.2	
2044/45	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.8	0	18	0	36	0	0.3	0	1.2	
2045/46	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.8	0	18	0	37	0	0.4	0	1.2	
2046/47	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.8	0	18	0	37	0	0.4	0	1.2	
2047/48	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.8	0	18	0	38	0	0.4	0	1.2	
2048/49	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.8	0	19	0	38	0	0.4	0	1.2	
2049/50	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.8	0	19	0	38	0	0.4	0	1.2	
2050/51	0	1	0	1.4	0	0.5	0	29	0	0.4	0	1.8	0	19	0	39	0	0.4	0	1.2	
2051/52	0	1	0	1.4	0	0.5	0	30	0	0.4	0	1.8	0	19	0	39	0	0.4	0	1.2	
NPV Capital Cost Pre 1996 Assets	0		103,646		6,944		0		0		0		0		0		0		60,624		
NPV Capital Cost Post 1996 Assets	1,199,145		165,072		66,764		3,608,999		262,199		65,626		2,330,151		4,942,981		94,274		730,890		
NPV ET Take up @ 3%	25		37		12		693		9		41		366		759		9		27		
NPV ET Take up @ 5%	17		25		8		472		6		28		243		506		6		19		
Capital Charge Pre 1996 Assets (\$/ET)	0		2,836		563		0		0		0		0		0		0		2,212		
Capital Charge Post 1996 Assets (\$/ET)	69,119		6,544		7,956		7,642		42,198		2,327		9,592		9,776		15,791		39,218		
Capital Charge (\$/ET)	69,119		9,380		8,518		7,642		42,198		2,327		9,592		9,776		15,791		41,430		