**Hastings Council Capital Charge Calculation**
**Port Macquarie Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PM21P151 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM21P152 | 13 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PM21P153 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PM21P154 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM21P155 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM21P156 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM21P157 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM21P158 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PM21P159 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM21P160 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM21P161 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM21P162 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM21P428 | 0 | 1996 | 0 | 1982 | 1996 | 0 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM21P429 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM21P605 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM21P606 | 21 | 1996 | 26 | 1982 | 1996 | 26 | 2021 | 26 | 3% | 1.41 | 36 | | |
| PM21P607 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM21P608 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM64P002 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM64P003 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM64P004 | 24 | 1996 | 29 | 1982 | 1996 | 29 | 2021 | 26 | 3% | 1.41 | 41 | | |
| PM64P005 | 20 | 1996 | 25 | 1982 | 1996 | 25 | 2021 | 26 | 3% | 1.41 | 35 | | |
| PM64P006 | 23 | 1996 | 28 | 1982 | 1996 | 28 | 2021 | 26 | 3% | 1.41 | 39 | | |
| PM64P007 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 23 | | |
| PM64P008 | 23 | 1996 | 29 | 1982 | 1996 | 29 | 2021 | 26 | 3% | 1.41 | 40 | | |
| PM64P009 | 27 | 1996 | 34 | 1982 | 1996 | 34 | 2021 | 26 | 3% | 1.41 | 48 | | |
| PM64P010 | 23 | 1996 | 29 | 1982 | 1996 | 29 | 2021 | 26 | 3% | 1.41 | 40 | | |
| PM64P011 | 19 | 1996 | 24 | 1982 | 1996 | 24 | 2021 | 26 | 3% | 1.41 | 33 | | |
| PM64P012 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM64P013 | 21 | 1996 | 26 | 1982 | 1996 | 26 | 2021 | 26 | 3% | 1.41 | 36 | | |
| PM64P014 | 23 | 1996 | 28 | 1982 | 1996 | 28 | 2021 | 26 | 3% | 1.41 | 39 | | |
| PM64P015 | 23 | 1996 | 28 | 1982 | 1996 | 28 | 2021 | 26 | 3% | 1.41 | 40 | | |
| PM64P016 | 20 | 1996 | 24 | 1982 | 1996 | 24 | 2021 | 26 | 3% | 1.41 | 34 | | |
| PM64P017 | 20 | 1996 | 24 | 1982 | 1996 | 24 | 2021 | 26 | 3% | 1.41 | 34 | | |
| PM64P018 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM64P019 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM64P166 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM64P172 | 0 | 1996 | 0 | 1982 | 1996 | 0 | 2021 | 26 | 3% | 1.41 | 0 | | |
| PM64P173 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM64P174 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM64P175 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PM64P176 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM64P177 | 14 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 25 | | |
| PM64P216 | 74 | 1996 | 91 | 1982 | 1996 | 91 | 2021 | 26 | 3% | 1.41 | 129 | | |
| PM64P217 | 44 | 1996 | 54 | 1982 | 1996 | 54 | 2021 | 26 | 3% | 1.41 | 76 | | |
| PM64P218 | 41 | 1996 | 51 | 1982 | 1996 | 51 | 2021 | 26 | 3% | 1.41 | 72 | | |
| PM64P219 | 30 | 1996 | 36 | 1982 | 1996 | 36 | 2021 | 26 | 3% | 1.41 | 51 | | |
| PM64P220 | 23 | 1996 | 28 | 1982 | 1996 | 28 | 2021 | 26 | 3% | 1.41 | 39 | | |
| PM64P221 | 19 | 1996 | 23 | 1982 | 1996 | 23 | 2021 | 26 | 3% | 1.41 | 32 | | |
| PM64P224 | 12 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM64P225 | 17 | 1996 | 21 | 1982 | 1996 | 21 | 2021 | 26 | 3% | 1.41 | 29 | | |
| PM64P226 | 17 | 1996 | 20 | 1982 | 1996 | 20 | 2021 | 26 | 3% | 1.41 | 29 | | |
| PM64P227 | 16 | 1996 | 20 | 1982 | 1996 | 20 | 2021 | 26 | 3% | 1.41 | 28 | | |
| PM64P228 | 18 | 1996 | 22 | 1982 | 1996 | 22 | 2021 | 26 | 3% | 1.41 | 30 | | |
| PM64P229 | 26 | 1996 | 32 | 1982 | 1996 | 32 | 2021 | 26 | 3% | 1.41 | 45 | | |
| PM64P230 | 19 | 1996 | 24 | 1982 | 1996 | 24 | 2021 | 26 | 3% | 1.41 | 33 | | |
| PM64P231 | 17 | 1996 | 21 | 1982 | 1996 | 21 | 2021 | 26 | 3% | 1.41 | 29 | | |
| PM64P232 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PMTWE001 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PMTWE002 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PMTWE003 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PMTWE004 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PMTWE005 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PMTWE006 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PMTWE007 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PMTWE008 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PMTWE009 | 0 | 1996 | 0 | 1982 | 1996 | 0 | 2021 | 26 | 3% | 1.41 | 0 | | |
| PMTWE010 | 20 | 1996 | 25 | 1982 | 1996 | 25 | 2021 | 26 | 3% | 1.41 | 35 | | |
| PMTWE011 | 0 | 1996 | 0 | 1982 | 1996 | 0 | 2021 | 26 | 3% | 1.41 | 0 | | |
| PMTWE012 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |

**Hastings Council Capital Charge Calculation**
**Port Macquarie Sewerage**

| Summary | |
|---|---|
| per ET | Totals |
| Capital Charge | $ 4,875 |

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PMTWE013 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PMTWE014 | 18 | 1996 | 22 | 1982 | 1996 | 22 | 2021 | 26 | 3% | 1.41 | 31 | | |
| PMTWE015 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PMTWE016 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PMTWE017 | 20 | 1996 | 25 | 1982 | 1996 | 25 | 2021 | 26 | 3% | 1.41 | 35 | | |
| PMTWE018 | 19 | 1996 | 23 | 1982 | 1996 | 23 | 2021 | 26 | 3% | 1.41 | 32 | | |
| PMTWE019 | 15 | 1996 | 19 | 1982 | 1996 | 19 | 2021 | 26 | 3% | 1.41 | 26 | | |
| PMTWE020 | 28 | 1996 | 34 | 1982 | 1996 | 34 | 2021 | 26 | 3% | 1.41 | 48 | | |
| PMTWE023 | 3 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PMTWE024 | 3 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PMTWE025 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PMTWE026 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PMTWE027 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWE108 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PMTWE109 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PMTWE110 | 9 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PMTWE116 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PMTWE117 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PMTWE118 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PMTWE119 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWE120 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PMTWE121 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PMTWE122 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PMTWE123 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWE124 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PMTWE125 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PMTWE126 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PMTWE127 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWE128 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PMTWE129 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PMTWE130 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PMTWE131 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PMTWE189 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PMTWE190 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PMTWE191 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PMTWE192 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PMTWE193 | 9 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PMTWE194 | 13 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PMTWE195 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PMTWE244 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PMTWN003 | 62 | 1996 | 77 | 1982 | 1996 | 77 | 2021 | 26 | 3% | 1.41 | 108 | | |
| PMTWN004 | 92 | 1996 | 113 | 1982 | 1996 | 113 | 2021 | 26 | 3% | 1.41 | 159 | | |
| PMTWN005 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PMTWN006 | 9 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PMTWN007 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWN008 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PMTWN009 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWN010 | 20 | 1996 | 24 | 1982 | 1996 | 24 | 2021 | 26 | 3% | 1.41 | 34 | | |
| PMTWN011 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PMTWN012 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PMTWN013 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PMTWN014 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PMTWN015 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PMTWN016 | 44 | 1996 | 54 | 1982 | 1996 | 54 | 2021 | 26 | 3% | 1.41 | 76 | | |
| PMTWN017 | 36 | 1996 | 45 | 1982 | 1996 | 45 | 2021 | 26 | 3% | 1.41 | 63 | | |
| PMTWN018 | 28 | 1996 | 34 | 1982 | 1996 | 34 | 2021 | 26 | 3% | 1.41 | 48 | | |
| PMTWN019 | 32 | 1996 | 40 | 1982 | 1996 | 40 | 2021 | 26 | 3% | 1.41 | 56 | | |
| PMTWN020 | 34 | 1996 | 42 | 1982 | 1996 | 42 | 2021 | 26 | 3% | 1.41 | 59 | | |
| PMTWN021 | 34 | 1996 | 42 | 1982 | 1996 | 42 | 2021 | 26 | 3% | 1.41 | 60 | | |
| PMTWN022 | 29 | 1996 | 36 | 1982 | 1996 | 36 | 2021 | 26 | 3% | 1.41 | 51 | | |
| PMTWN023 | 29 | 1996 | 36 | 1982 | 1996 | 36 | 2021 | 26 | 3% | 1.41 | 50 | | |
| PMTWN024 | 29 | 1996 | 36 | 1982 | 1996 | 36 | 2021 | 26 | 3% | 1.41 | 50 | | |
| PMTWN025 | 19 | 1996 | 23 | 1982 | 1996 | 23 | 2021 | 26 | 3% | 1.41 | 33 | | |
| PMTWN026 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PMTWN027 | 15 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 26 | | |
| PMTWN028 | 24 | 1996 | 30 | 1982 | 1996 | 30 | 2021 | 26 | 3% | 1.41 | 42 | | |
| PMTWN029 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PMTWN030 | 33 | 1996 | 40 | 1982 | 1996 | 40 | 2021 | 26 | 3% | 1.41 | 57 | | |
| PMTWN031 | 32 | 1996 | 39 | 1982 | 1996 | 39 | 2021 | 26 | 3% | 1.41 | 56 | | |
| PMTWN032 | 23 | 1996 | 28 | 1982 | 1996 | 28 | 2021 | 26 | 3% | 1.41 | 39 | | |

**Hastings Council Capital Charge Calculation**
**Port Macquarie Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

Summary

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PMTWN033 | 28 | 1996 | 34 | 1982 | 1996 | 34 | 2021 | 26 | 3% | 1.41 | 48 | | |
| PMTWN034 | 34 | 1996 | 42 | 1982 | 1996 | 42 | 2021 | 26 | 3% | 1.41 | 59 | | |
| PMTWN035 | 30 | 1996 | 36 | 1982 | 1996 | 36 | 2021 | 26 | 3% | 1.41 | 51 | | |
| PMTWN036 | 20 | 1996 | 24 | 1982 | 1996 | 24 | 2021 | 26 | 3% | 1.41 | 34 | | |
| PMTWN037 | 27 | 1996 | 33 | 1982 | 1996 | 33 | 2021 | 26 | 3% | 1.41 | 47 | | |
| PMTWN038 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PMTWN039 | 17 | 1996 | 21 | 1982 | 1996 | 21 | 2021 | 26 | 3% | 1.41 | 30 | | |
| PMTWN040 | 24 | 1996 | 29 | 1982 | 1996 | 29 | 2021 | 26 | 3% | 1.41 | 41 | | |
| PMTWN041 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWN042 | 30 | 1996 | 36 | 1982 | 1996 | 36 | 2021 | 26 | 3% | 1.41 | 51 | | |
| PMTWN043 | 36 | 1996 | 44 | 1982 | 1996 | 44 | 2021 | 26 | 3% | 1.41 | 62 | | |
| PMTWN044 | 35 | 1996 | 43 | 1982 | 1996 | 43 | 2021 | 26 | 3% | 1.41 | 60 | | |
| PMTWN045 | 22 | 1996 | 26 | 1982 | 1996 | 26 | 2021 | 26 | 3% | 1.41 | 37 | | |
| PMTWN046 | 25 | 1996 | 30 | 1982 | 1996 | 30 | 2021 | 26 | 3% | 1.41 | 43 | | |
| PMTWN047 | 21 | 1996 | 26 | 1982 | 1996 | 26 | 2021 | 26 | 3% | 1.41 | 36 | | |
| PMTWN048 | 34 | 1996 | 42 | 1982 | 1996 | 42 | 2021 | 26 | 3% | 1.41 | 59 | | |
| PMTWN049 | 18 | 1996 | 23 | 1982 | 1996 | 23 | 2021 | 26 | 3% | 1.41 | 32 | | |
| PMTWN050 | 19 | 1996 | 23 | 1982 | 1996 | 23 | 2021 | 26 | 3% | 1.41 | 33 | | |
| PMTWN051 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PMTWN052 | 22 | 1996 | 27 | 1982 | 1996 | 27 | 2021 | 26 | 3% | 1.41 | 38 | | |
| PMTWN053 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PMTWN054 | 20 | 1996 | 25 | 1982 | 1996 | 25 | 2021 | 26 | 3% | 1.41 | 35 | | |
| PMTWN055 | 20 | 1996 | 24 | 1982 | 1996 | 24 | 2021 | 26 | 3% | 1.41 | 34 | | |
| PMTWN056 | 13 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PMTWN057 | 27 | 1996 | 33 | 1982 | 1996 | 33 | 2021 | 26 | 3% | 1.41 | 47 | | |
| PMTWN058 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PMTWN112 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PMTWN171 | 16 | 1996 | 20 | 1982 | 1996 | 20 | 2021 | 26 | 3% | 1.41 | 28 | | |
| PMTWN172 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PMTWN173 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PMTWN180 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PMTWN182 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PMTWN184 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PMTWN185 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PMTWN186 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PMTWN189 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWN190 | 15 | 1996 | 19 | 1982 | 1996 | 19 | 2021 | 26 | 3% | 1.41 | 27 | | |
| PMTWN191 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWN234 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PMTWN235 | 1 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PMTWN236 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PMTWN237 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PMTWN238 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PMTWN294 | 33 | 1996 | 40 | 1982 | 1996 | 40 | 2021 | 26 | 3% | 1.41 | 57 | | |
| PMTWN295 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PMTWN297 | 9 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PMTWN298 | 9 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PMTWN305 | 16 | 1996 | 19 | 1982 | 1996 | 19 | 2021 | 26 | 3% | 1.41 | 27 | | |
| PMTWN310 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM18P001 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM18P002 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM18P003 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM18P008 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM18P009 | 3 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM18P010 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM18P011 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM18P012 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P013 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P014 | 12 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM18P015 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM18P016 | 0 | 1996 | 0 | 1982 | 1996 | 0 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM18P017 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM18P018 | 1 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM18P019 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P020 | 14 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 25 | | |
| PM18P021 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM18P024 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM18P025 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P026 | 12 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM18P027 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |

**Hastings Council Capital Charge Calculation**
**Port Macquarie Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

Summary

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PM18P030 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P033 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM18P034 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM18P035 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM18P036 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM18P037 | 22 | 1996 | 27 | 1982 | 1996 | 27 | 2021 | 26 | 3% | 1.41 | 38 | | |
| PM18P038 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PM18P039 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P044 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM18P048 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM18P049 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM18P050 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM18P051 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM18P052 | 8 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P053 | 8 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P054 | 8 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P055 | 9 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM18P058 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P073 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P097 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM18P098 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM18P099 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM18P100 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM18P101 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM18P111 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM18P112 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PM18P113 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM18P114 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM18P115 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM18P116 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM18P117 | 9 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM18P118 | 13 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PM18P120 | 14 | 1996 | 17 | 1982 | 1996 | 17 | 2021 | 26 | 3% | 1.41 | 25 | | |
| PM18P121 | 15 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 26 | | |
| PM18P122 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM18P123 | 18 | 1996 | 22 | 1982 | 1996 | 22 | 2021 | 26 | 3% | 1.41 | 30 | | |
| PM18P124 | 18 | 1996 | 22 | 1982 | 1996 | 22 | 2021 | 26 | 3% | 1.41 | 31 | | |
| PM18P128 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM18P129 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM18P130 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM18P133 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P134 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P135 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM18P136 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM18P137 | 9 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM18P149 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM18P150 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM18P151 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM18P152 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM18P153 | 7 | 1996 | 9 | 1982 | 1995 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM18P154 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM18P155 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM18P156 | 5 | 1996 | 6 | 1982 | 1995 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM18P157 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P158 | 4 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM18P159 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P219 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM18P222 | 14 | 1996 | 17 | 1982 | 1996 | 17 | 2021 | 26 | 3% | 1.41 | 24 | | |
| PM18P223 | 14 | 1996 | 17 | 1982 | 1996 | 17 | 2021 | 26 | 3% | 1.41 | 24 | | |
| PM18P224 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM18P231 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM18P232 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM18P234 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM18P295 | 21 | 1996 | 25 | 1982 | 1996 | 25 | 2021 | 26 | 3% | 1.41 | 36 | | |
| PM18P298 | 14 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 25 | | |
| PM18P299 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 23 | | |
| PM18P301 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 23 | | |
| PM18P305 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM18P312 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM18P313 | 8 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |

Hastings Council Capital Charge Calculation
Port Macquarie Sewerage

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

Summary

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PM18P314 | 1 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM18P319 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM18P320 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM18P321 | 15 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 26 | | |
| PM18P327 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM18P329 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM18P330 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM18P331 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 23 | | |
| PM18P336 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM18P337 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM18P338 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM18P390 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM18P393 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM18P395 | 1 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM18P396 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM18P397 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM18P405 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM29P001 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM29P036 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM29P059 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM37P001 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM54P047 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM54P048 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PM54P049 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM54P050 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM54P051 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM54P052 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM54P108 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM10P001 | 0 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM10P002 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM10P003 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM10P004 | 14 | 1996 | 17 | 1982 | 1996 | 17 | 2021 | 26 | 3% | 1.41 | 24 | | |
| PM10P005 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM10P006 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM10P047 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM10P057 | 3 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM10P058 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM10P059 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM10P063 | 9 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM10P064 | 17 | 1996 | 21 | 1982 | 1996 | 21 | 2021 | 26 | 3% | 1.41 | 30 | | |
| PM10P065 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PM10P066 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM10P076 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM10P077 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM10P089 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM10P091 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PM10P104 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM10P195 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 22 | | |
| PM10P196 | 14 | 1996 | 17 | 1982 | 1996 | 17 | 2021 | 26 | 3% | 1.41 | 24 | | |
| PM10P197 | 15 | 1996 | 19 | 1982 | 1996 | 19 | 2021 | 26 | 3% | 1.41 | 27 | | |
| PM10P198 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM10P208 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM10P209 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM10P258 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM10P259 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PM10P260 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM10P261 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM10P262 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM10P264 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM10P265 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM10P266 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM10P267 | 12 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM10P268 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM10P269 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM10P270 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM10P271 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM10P409 | 4 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM10P412 | 1 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM14P038 | 2 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM14P039 | 18 | 1996 | 22 | 1982 | 1996 | 22 | 2021 | 26 | 3% | 1.41 | 31 | | |

**Hastings Council Capital Charge Calculation**
**Port Macquarie Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PM14P040 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM14P041 | 26 | 1996 | 32 | 1982 | 1996 | 32 | 2021 | 26 | 3% | 1.41 | 45 | | |
| PM14P042 | 14 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 25 | | |
| PM14P043 | 23 | 1996 | 28 | 1982 | 1996 | 28 | 2021 | 26 | 3% | 1.41 | 40 | | |
| PM9P412 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM33P001 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM33P002 | 23 | 1996 | 29 | 1982 | 1996 | 29 | 2021 | 26 | 3% | 1.41 | 41 | | |
| PM33P021 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM33P022 | 8 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM45P001 | 1 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM45P002 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM45P003 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM45P004 | 15 | 1996 | 19 | 1982 | 1996 | 19 | 2021 | 26 | 3% | 1.41 | 26 | | |
| PM45P005 | 15 | 1996 | 18 | 1982 | 1996 | 18 | 2021 | 26 | 3% | 1.41 | 25 | | |
| PM45P006 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM45P007 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 16 | | |
| PM45P008 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM45P015 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM45P016 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM45P017 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM45P018 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM45P019 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| PM45P020 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM45P021 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| PM45P022 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM45P023 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM45P024 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM45P025 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM45P027 | 16 | 1996 | 20 | 1982 | 1996 | 20 | 2021 | 26 | 3% | 1.41 | 28 | | |
| PM45P028 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM39P001 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM39P002 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM39P003 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM39P004 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM39P005 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM39P006 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM39P007 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM39P008 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM39P009 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM39P010 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM40P001 | 1 | 1996 | 1 | 1982 | 1996 | 1 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM40P002 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM40P007 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM40P008 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM40P009 | 12 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM40P010 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM40P011 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM40P012 | 12 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM40P013 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM47P001 | 0 | 1996 | 0 | 1982 | 1996 | 0 | 2021 | 26 | 3% | 1.41 | 0 | | |
| PM47P002 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM47P003 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM47P004 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM47P005 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM47P006 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM47P012 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM47P013 | 8 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM47P014 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM47P023 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| PM47P024 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM47P025 | 8 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| PM47P026 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM47P031 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM22P002 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM22P003 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM22P004 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM22P005 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| PM22P006 | 3 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM22P007 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| PM22P008 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |

Hastings Council Capital Charge Calculation
Port Macquarie Sewerage

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

Summary

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PM22P009 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM22P010 | 3 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 5 | | |
| PM22P011 | 5 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM22P012 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM22P020 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM22P021 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM22P022 | 16 | 1996 | 20 | 1982 | 1996 | 20 | 2021 | 26 | 3% | 1.41 | 29 | | |
| PM22P023 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM22P024 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM9P409 | 5 | 1996 | 6 | 1983 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM9P001 | 1 | 1996 | 2 | 1988 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM9P002 | 2 | 1996 | 3 | 1988 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM9P003 | 12 | 1996 | 14 | 1988 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| PM9P004 | 25 | 1996 | 31 | 1988 | 1996 | 31 | 2021 | 26 | 3% | 1.41 | 44 | | |
| PM9P005 | 4 | 1996 | 5 | 1988 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| PM9P006 | 1 | 1996 | 2 | 1988 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 2 | | |
| PM9P104 | 7 | 1996 | 8 | 1988 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| PM9P290 | 0 | 1996 | 0 | 1988 | 1996 | 0 | 2021 | 26 | 3% | 1.41 | 1 | | |
| PM9P291 | 2 | 1996 | 2 | 1988 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM6P046 | 4 | 1996 | 6 | 1989 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| PM6P047 | 8 | 1996 | 10 | 1989 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM17P090 | 23 | 1996 | 29 | 1990 | 1996 | 29 | 2021 | 26 | 3% | 1.41 | 40 | | |
| PM17P091 | 22 | 1996 | 27 | 1990 | 1996 | 27 | 2021 | 26 | 3% | 1.41 | 38 | | |
| PM17P092 | 2 | 1996 | 3 | 1990 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 4 | | |
| PM17P093 | 3 | 1996 | 4 | 1990 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM17P094 | 8 | 1996 | 10 | 1990 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM3P004 | 12 | 1996 | 15 | 1993 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| PM3P005 | 8 | 1996 | 10 | 1993 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| PM3P006 | 6 | 1996 | 8 | 1993 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |
| PM3P007 | 13 | 1996 | 16 | 1993 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 23 | | |
| PM3P013 | 5 | 1996 | 6 | 1993 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| PM3P059 | 2 | 1996 | 2 | 1993 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| PM21P622 | 4 | 1996 | 4 | 1993 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| PM21P618 | 7 | 1996 | 8 | 1996 | 1996 | 8 | 2021 | 26 | 7% | 2.05 | 17 | | |
| PM47P032 | 5 | 1997 | 5 | 1997 | 1997 | 5 | 2021 | 25 | 7% | 2.00 | 11 | | |
| PM64P336 | 5 | 1998 | 6 | 1998 | 1998 | 6 | 2021 | 24 | 7% | 1.96 | 11 | | |
| PM64P337 | 6 | 1998 | 7 | 1998 | 1998 | 7 | 2021 | 24 | 7% | 1.96 | 14 | | |
| PM21P638 | 24 | 1998 | 28 | 1998 | 1998 | 28 | 2021 | 24 | 7% | 1.96 | 54 | | |
| PM21P639 | 20 | 1998 | 23 | 1998 | 1998 | 23 | 2021 | 24 | 7% | 1.96 | 45 | | |
| LB20P001 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| LB20P002 | 20 | 1996 | 25 | 1982 | 1996 | 25 | 2021 | 26 | 3% | 1.41 | 35 | | |
| LB20P003 | 17 | 1996 | 21 | 1982 | 1996 | 21 | 2021 | 26 | 3% | 1.41 | 29 | | |
| LB20P004 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 22 | | |
| LB20P005 | 15 | 1996 | 19 | 1982 | 1996 | 19 | 2021 | 26 | 3% | 1.41 | 27 | | |
| LB20P006 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 8 | | |
| LB20P007 | 2 | 1996 | 2 | 1982 | 1996 | 2 | 2021 | 26 | 3% | 1.41 | 3 | | |
| LB20P008 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 13 | | |
| LB20P009 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| LB20P010 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| LB20P011 | 11 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 19 | | |
| LB20P012 | 10 | 1996 | 12 | 1982 | 1996 | 12 | 2021 | 26 | 3% | 1.41 | 17 | | |
| LB20P013 | 13 | 1996 | 16 | 1982 | 1996 | 16 | 2021 | 26 | 3% | 1.41 | 22 | | |
| LB20P014 | 22 | 1996 | 27 | 1982 | 1996 | 27 | 2021 | 26 | 3% | 1.41 | 38 | | |
| LB20P015 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| LB20P016 | 3 | 1996 | 3 | 1982 | 1996 | 3 | 2021 | 26 | 3% | 1.41 | 5 | | |
| LB20P103 | 3 | 1996 | 4 | 1982 | 1996 | 4 | 2021 | 26 | 3% | 1.41 | 6 | | |
| LB20P104 | 16 | 1996 | 20 | 1982 | 1996 | 20 | 2021 | 26 | 3% | 1.41 | 28 | | |
| LB20P105 | 14 | 1996 | 17 | 1982 | 1996 | 17 | 2021 | 26 | 3% | 1.41 | 24 | | |
| LB20P106 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| LB20P107 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| LB20P108 | 7 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 12 | | |
| LB20P109 | 5 | 1996 | 6 | 1982 | 1996 | 6 | 2021 | 26 | 3% | 1.41 | 9 | | |
| LB20P110 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 16 | | |
| LB20P111 | 7 | 1996 | 9 | 1982 | 1996 | 9 | 2021 | 26 | 3% | 1.41 | 12 | | |
| LB20P112 | 11 | 1996 | 14 | 1982 | 1996 | 14 | 2021 | 26 | 3% | 1.41 | 20 | | |
| LB20P113 | 14 | 1996 | 17 | 1982 | 1996 | 17 | 2021 | 26 | 3% | 1.41 | 24 | | |
| LB20P114 | 9 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 15 | | |
| LB20P115 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| LB20P116 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| LB20P117 | 6 | 1996 | 8 | 1982 | 1996 | 8 | 2021 | 26 | 3% | 1.41 | 11 | | |

**Hastings Council Capital Charge Calculation**
**Port Macquarie Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LB20P118 | 6 | 1996 | 7 | 1982 | 1996 | 7 | 2021 | 26 | 3% | 1.41 | 10 | | |
| LB20P119 | 8 | 1996 | 10 | 1982 | 1996 | 10 | 2021 | 26 | 3% | 1.41 | 14 | | |
| LB20P120 | 4 | 1996 | 5 | 1982 | 1996 | 5 | 2021 | 26 | 3% | 1.41 | 7 | | |
| LB20P121 | 9 | 1996 | 11 | 1982 | 1996 | 11 | 2021 | 26 | 3% | 1.41 | 15 | | |
| LB20P122 | 12 | 1996 | 15 | 1982 | 1996 | 15 | 2021 | 26 | 3% | 1.41 | 21 | | |
| LB20P123 | 10 | 1996 | 13 | 1982 | 1996 | 13 | 2021 | 26 | 3% | 1.41 | 18 | | |
| | | | | | | | | | | | | | |
| **Future** | | | | | | | | | | | | | |
| PM Trunk System Augmentation | 500 | 2001 | 526 | 2003 | 2003 | 526 | 2021 | 19 | 7% | 1.72 | 903 | | |
| PM Trunk System Augmentation | 500 | 2001 | 526 | 2004 | 2004 | 491 | 2021 | 18 | 7% | 1.67 | 822 | | |
| PM Trunk System Augmentation | 500 | 2001 | 526 | 2008 | 2008 | 375 | 2021 | 14 | 7% | 1.50 | 561 | | |
| PM Trunk System Augmentation | 1000 | 2001 | 1052 | 2009 | 2009 | 701 | 2021 | 13 | 7% | 1.45 | 1019 | | |
| PM Trunk System Augmentation | 2000 | 2001 | 2103 | 2010 | 2010 | 1310 | 2021 | 12 | 7% | 1.41 | 1849 | | |
| | | | | | | | | | | | **18,846** | **21,828** | **863** |
| **HEMS Future** | | | | | | | | | | | | | |
| **Existing (post 1996)** | | | | | | | | | | | | | |
| HEMS - Southern effluent pipelines | 5500 | 2001 | 5784 | 2002 | 2002 | 5784 | 2021 | 20 | 7% | 1.76 | 10205 | | |
| | | | | | | | | | | | | | |
| **Future** | | | | | | | | | | | | | |
| HEMS - Western Pipelines | 5000 | 2001 | 5258 | 2006 | 2006 | 4292 | 2021 | 16 | 7% | 1.58 | 6794 | | |
| **HEMS Total** | | | | | | | | | | | **16,999** | **26,117** | **651** |
| | | | | | | | | | | | | | |
| **Council Wide Works** | | | | | | | | | | | | | |
| **Existing (post 1996)** | | | | | | | | | | | | | |
| Lab Equipment | 20 | 2001 | 21 | 2001 | 2001 | 21 | 2021 | 21 | 7% | 1.81 | 38 | | |
| | 10 | 2001 | 11 | 2002 | 2002 | 11 | 2021 | 20 | 7% | 1.76 | 19 | | |
| | 10 | 2001 | 11 | 2003 | 2003 | 11 | 2021 | 19 | 7% | 1.72 | 18 | | |
| Minor Extensions | 20 | 2001 | 21 | 2001 | 2001 | 21 | 2021 | 21 | 7% | 1.81 | 38 | | |
| | 20 | 2001 | 21 | 2002 | 2002 | 21 | 2021 | 20 | 7% | 1.76 | 37 | | |
| | 20 | 2001 | 21 | 2003 | 2003 | 21 | 2021 | 19 | 7% | 1.72 | 36 | | |
| Pumping stations and telemetry | 30 | 2001 | 32 | 2001 | 2001 | 32 | 2021 | 21 | 7% | 1.81 | 57 | | |
| | 30 | 2001 | 32 | 2002 | 2002 | 32 | 2021 | 20 | 7% | 1.76 | 56 | | |
| | 30 | 2001 | 32 | 2003 | 2003 | 32 | 2021 | 19 | 7% | 1.72 | 54 | | |
| Wet well washers | 50 | 2001 | 53 | 2001 | 2001 | 53 | 2021 | 21 | 7% | 1.81 | 95 | | |
| Laboratory extension - new fume | 50 | 2001 | 53 | 2002 | 2002 | 53 | 2021 | 20 | 7% | 1.76 | 93 | | |
| | | | | | | | | | | | | | |
| **Future** | | | | | | | | | | | | | |
| Lab Equipment | 10 | 2001 | 11 | 2004 | 2004 | 10 | 2021 | 18 | 7% | 1.67 | 16 | | |
| | 10 | 2001 | 11 | 2005 | 2005 | 9 | 2021 | 17 | 7% | 1.63 | 15 | | |
| | 10 | 2001 | 11 | 2006 | 2006 | 9 | 2021 | 16 | 7% | 1.58 | 14 | | |
| | 10 | 2001 | 11 | 2007 | 2007 | 8 | 2021 | 15 | 7% | 1.54 | 12 | | |
| | 10 | 2001 | 11 | 2008 | 2008 | 7 | 2021 | 14 | 7% | 1.50 | 11 | | |
| | 10 | 2001 | 11 | 2009 | 2009 | 7 | 2021 | 13 | 7% | 1.45 | 10 | | |
| | 10 | 2001 | 11 | 2010 | 2010 | 7 | 2021 | 12 | 7% | 1.41 | 9 | | |
| | 10 | 2001 | 11 | 2011 | 2011 | 6 | 2021 | 11 | 7% | 1.37 | 8 | | |
| | 10 | 2001 | 11 | 2012 | 2012 | 6 | 2021 | 10 | 7% | 1.33 | 8 | | |
| | 10 | 2001 | 11 | 2013 | 2013 | 5 | 2021 | 9 | 7% | 1.29 | 7 | | |
| | 10 | 2001 | 11 | 2014 | 2014 | 5 | 2021 | 8 | 7% | 1.25 | 6 | | |
| | 10 | 2001 | 11 | 2015 | 2015 | 5 | 2021 | 7 | 7% | 1.21 | 6 | | |
| | 10 | 2001 | 11 | 2016 | 2016 | 4 | 2021 | 6 | 7% | 1.18 | 5 | | |
| | 10 | 2001 | 11 | 2017 | 2017 | 4 | 2021 | 5 | 7% | 1.14 | 5 | | |
| | 10 | 2001 | 11 | 2018 | 2018 | 4 | 2021 | 4 | 7% | 1.10 | 4 | | |
| | 10 | 2001 | 11 | 2019 | 2019 | 4 | 2021 | 3 | 7% | 1.07 | 4 | | |
| | 10 | 2001 | 11 | 2020 | 2020 | 3 | 2021 | 2 | 7% | 1.03 | 3 | | |
| | 10 | 2001 | 11 | 2021 | 2021 | 3 | 2021 | 1 | 7% | 1.00 | 3 | | |
| | | | | | | | | | | | | | |
| Minor Extensions | 20 | 2001 | 21 | 2004 | 2004 | 20 | 2021 | 18 | 7% | 1.67 | 33 | | |
| | 20 | 2001 | 21 | 2005 | 2005 | 18 | 2021 | 17 | 7% | 1.63 | 30 | | |
| | 20 | 2001 | 21 | 2006 | 2006 | 17 | 2021 | 16 | 7% | 1.58 | 27 | | |
| | 20 | 2001 | 21 | 2007 | 2007 | 16 | 2021 | 15 | 7% | 1.54 | 25 | | |
| | 20 | 2001 | 21 | 2008 | 2008 | 15 | 2021 | 14 | 7% | 1.50 | 22 | | |
| | 20 | 2001 | 21 | 2009 | 2009 | 14 | 2021 | 13 | 7% | 1.45 | 20 | | |
| | 20 | 2001 | 21 | 2010 | 2010 | 13 | 2021 | 12 | 7% | 1.41 | 18 | | |
| | 20 | 2001 | 21 | 2011 | 2011 | 12 | 2021 | 11 | 7% | 1.37 | 17 | | |
| | 20 | 2001 | 21 | 2012 | 2012 | 11 | 2021 | 10 | 7% | 1.33 | 15 | | |
| | 20 | 2001 | 21 | 2013 | 2013 | 11 | 2021 | 9 | 7% | 1.29 | 14 | | |
| | 20 | 2001 | 21 | 2014 | 2014 | 10 | 2021 | 8 | 7% | 1.25 | 13 | | |
| | 20 | 2001 | 21 | 2015 | 2015 | 9 | 2021 | 7 | 7% | 1.21 | 11 | | |
| | 20 | 2001 | 21 | 2016 | 2016 | 9 | 2021 | 6 | 7% | 1.18 | 10 | | |
| | 20 | 2001 | 21 | 2017 | 2017 | 8 | 2021 | 5 | 7% | 1.14 | 9 | | |

Hastings Council Capital Charge Calculation
Port Macquarie Sewerage

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

Summary

| per ET | Totals |
|---|---|
| Capital Charge | $ 4,875 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 2001 | 21 | 2018 | 2018 | 8 | 2021 | 4 | 7% | 1.10 | 8 | | |
| | 20 | 2001 | 21 | 2019 | 2019 | 7 | 2021 | 3 | 7% | 1.07 | 8 | | |
| | 20 | 2001 | 21 | 2020 | 2020 | 7 | 2021 | 2 | 7% | 1.03 | 7 | | |
| | 20 | 2001 | 21 | 2021 | 2021 | 6 | 2021 | 1 | 7% | 1.00 | 6 | | |
| | | | | | | | | | | | | | |
| Pumping stations and telemetry | 30 | 2001 | 32 | 2004 | 2004 | 29 | 2021 | 18 | 7% | 1.67 | 49 | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | 1032 | 33,346 | 31 |
| | | | | | | | | | | | | | $ 4,875 |

**Hastings Council Capital Charge Calculation**
**Dunbogan (including Camden Haven and Lakewood) Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $8,390 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Treatment Works** | | | | | | | | | | | | | |
| **Existing (pre 1996)** | | | | | | | | | | | | | |
| Dunbogan STP (7,500 EP) | 4267 | 1996 | 5237 | 1975 | 1996 | 5236.9 | 2021 | 26 | 3% | 1.41 | 7394.7 | | |
| | | | | | | | | | | | | | |
| **Future** | | | | | | | | | | | | | |
| Dunbogan STP Augmentation (4,500 EP) | 9280 | 2001 | 9759 | 2008 | 2008 | 6958.1 | 2021 | 14 | 7% | 1.50 | 10410.1 | | |
| Dunbogan Outfall Upgrade | 5000 | 2001 | 5258 | 2007 | 2007 | 4011.4 | 2021 | 15 | 7% | 1.54 | 6174.3 | | |
| | | | | | | | | | | | **23,979** | **5,217** | **4,596** |
| | | | | | | | | | | | | | |
| **Pumping Stations** | | | | | | | | | | | | | |
| **Existing (pre 1996)** | | | | | | | | | | | | | |
| Dunbogan SPS16 | 49 | 1996 | 60 | 1992 | 1996 | 60.2 | 2021 | 26 | 3% | 1.41 | 85.0 | | |
| Dunbogan SPS10 | 34 | 1996 | 42 | 1986 | 1996 | 42.0 | 2021 | 26 | 3% | 1.41 | 59.3 | | |
| Dunbogan SPS11 | 94 | 1996 | 115 | 1985 | 1996 | 114.9 | 2021 | 26 | 3% | 1.41 | 162.3 | | |
| Dunbogan SPS12 | 145 | 1996 | 178 | 1981 | 1996 | 178.3 | 2021 | 26 | 3% | 1.41 | 251.8 | | |
| Dunbogan SPS13 | 90 | 1996 | 110 | 1983 | 1996 | 110.1 | 2021 | 26 | 3% | 1.41 | 155.4 | | |
| Dunbogan SPS14 | 59 | 1996 | 72 | 1995 | 1996 | 72.3 | 2021 | 26 | 3% | 1.41 | 102.1 | | |
| Dunbogan SPS15 | 309 | 1996 | 380 | 1986 | 1996 | *included as future upgrade* | | | | | | | |
| Dunbogan SPS17 | 89 | 1996 | 109 | 1986 | 1996 | 109.3 | 2021 | 26 | 3% | 1.41 | 154.4 | | |
| Dunbogan SPS18 | 64 | 1996 | 78 | 1974 | 1996 | 78.3 | 2021 | 26 | 3% | 1.41 | 110.5 | | |
| Dunbogan SPS19 | 81 | 1996 | 100 | 1987 | 1996 | 99.7 | 2021 | 26 | 3% | 1.41 | 140.8 | | |
| Dunbogan SPS1 | 350 | 1996 | 429 | 1975 | 1996 | 429.4 | 2021 | 26 | 3% | 1.41 | 606.3 | | |
| Dunbogan SPS20 | 80 | 1996 | 98 | 1987 | 1996 | 98.2 | 2021 | 26 | 3% | 1.41 | 138.6 | | |
| Dunbogan SPS21 | 60 | 1996 | 74 | 1975 | 1996 | 73.6 | 2021 | 26 | 3% | 1.41 | 103.9 | | |
| Dunbogan SPS22 | 190 | 1996 | 233 | 1988 | 1996 | 232.6 | 2021 | 26 | 3% | 1.41 | 328.5 | | |
| Dunbogan SPS23 | 70 | 1996 | 85 | 1989 | 1996 | 85.4 | 2021 | 26 | 3% | 1.41 | 120.7 | | |
| Dunbogan SPS24 | 44 | 1996 | 54 | 1990 | 1996 | 54.5 | 2021 | 26 | 3% | 1.41 | 76.9 | | |
| Dunbogan SPS25 | 70 | 1996 | 86 | 1993 | 1996 | 85.7 | 2021 | 26 | 3% | 1.41 | 121.0 | | |
| Dunbogan SPS26 | 59 | 1996 | 72 | 1993 | 1996 | 72.4 | 2021 | 26 | 3% | 1.41 | 102.2 | | |
| Dunbogan SPS27 | 77 | 1996 | 95 | 1993 | 1996 | 94.9 | 2021 | 26 | 3% | 1.41 | 134.0 | | |
| Dunbogan SPS2 | 141 | 1996 | 173 | 1974 | 1996 | 173.2 | 2021 | 26 | 3% | 1.41 | 244.5 | | |
| Dunbogan SPS3 | 63 | 1996 | 78 | 1974 | 1996 | 77.5 | 2021 | 26 | 3% | 1.41 | 109.4 | | |
| Dunbogan SPS4 | 86 | 1996 | 106 | 1987 | 1996 | 105.5 | 2021 | 26 | 3% | 1.41 | 149.0 | | |
| Dunbogan SPS5 | 242 | 1996 | 297 | 1974 | 1996 | 296.8 | 2021 | 26 | 3% | 1.41 | 419.1 | | |
| Dunbogan SPS6 | 66 | 1996 | 81 | 1986 | 1996 | 80.9 | 2021 | 26 | 3% | 1.41 | 114.2 | | |
| Dunbogan SPS7 | 66 | 1996 | 80 | 1986 | 1996 | 80.5 | 2021 | 26 | 3% | 1.41 | 113.7 | | |
| Dunbogan SPS8 | 79 | 1996 | 97 | 1987 | 1996 | 96.6 | 2021 | 26 | 3% | 1.41 | 136.5 | | |
| Dunbogan SPS9 | 212 | 1996 | 260 | 1986 | 1996 | 259.8 | 2021 | 26 | 3% | 1.41 | 366.8 | | |
| Dunbog SPS28 | 110 | 1996 | 135 | 1994 | 1996 | 135.0 | 2021 | 26 | 3% | 1.41 | 190.6 | | |
| Dunbog SPS10 | 94 | 1996 | 115 | 1977 | 1996 | 115.3 | 2021 | 26 | 3% | 1.41 | 162.8 | | |
| | | | | | | | | | | | | | |
| **Existing (post 1996)** | | | | | | | | | | | | | |
| Upgrade Camden Haven SPS 15 | 50 | 2001 | 53 | 2001 | 2001 | 53 | 2021 | 21 | 7% | 1.81 | 95.2 | | |
| Camden Haven A-Line | 250 | 2001 | 263 | 2002 | 2002 | 263 | 2021 | 20 | 7% | 1.76 | 463.9 | | |
| | | | | | | | | | | | | | |
| **Future** | | | | | | | | | | | | | |
| PS30 and Associated Work - West Haven | 2000 | 2003 | 2000 | 2003 | 2003 | 2000 | 2021 | 19 | 7% | 1.72 | 3436.1 | | |
| | | | | | | | | | | | **8,956** | **3947** | **2,269** |
| **Mains** | | | | | | | | | | | | | |

**Hastings Council Capital Charge Calculation**
**Dunbogan (including Camden Haven and Lakewood) Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $8,390 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Existing (pre 1996)** | | | | | | | | | | | | | |
| DN3P001 | 7 | 1996 | 8 | 1973 | 1996 | 8.2 | 2021 | 26 | 3% | 1.41 | 11.6 | | |
| DN6P015 | 20 | 1996 | 24 | 1974 | 1996 | 24.1 | 2021 | 26 | 3% | 1.41 | 34.0 | | |
| DN6P016 | 10 | 1996 | 12 | 1974 | 1996 | 11.7 | 2021 | 26 | 3% | 1.41 | 16.6 | | |
| DN6P017 | 4 | 1996 | 4 | 1974 | 1996 | 4.4 | 2021 | 26 | 3% | 1.41 | 6.2 | | |
| DN6P018 | 8 | 1996 | 10 | 1974 | 1996 | 9.6 | 2021 | 26 | 3% | 1.41 | 13.5 | | |
| DN6P019 | 4 | 1996 | 5 | 1974 | 1996 | 4.9 | 2021 | 26 | 3% | 1.41 | 6.9 | | |
| DN10P001 | 0 | 1996 | 1 | 1975 | 1996 | 0.6 | 2021 | 26 | 3% | 1.41 | 0.8 | | |
| DN3P002 | 9 | 1996 | 11 | 1975 | 1996 | 10.5 | 2021 | 26 | 3% | 1.41 | 14.9 | | |
| DN3P007 | 9 | 1996 | 12 | 1975 | 1996 | 11.6 | 2021 | 26 | 3% | 1.41 | 16.3 | | |
| DN3P010 | 7 | 1996 | 9 | 1975 | 1996 | 8.8 | 2021 | 26 | 3% | 1.41 | 12.4 | | |
| DN1P022 | 31 | 1996 | 38 | 1975 | 1996 | 37.9 | 2021 | 26 | 3% | 1.41 | 53.5 | | |
| DN1P023 | 37 | 1996 | 45 | 1975 | 1996 | 45.1 | 2021 | 26 | 3% | 1.41 | 63.7 | | |
| DN1P024 | 37 | 1996 | 45 | 1975 | 1996 | 45.1 | 2021 | 26 | 3% | 1.41 | 63.7 | | |
| DN1P025 | 30 | 1996 | 37 | 1975 | 1996 | 37.4 | 2021 | 26 | 3% | 1.41 | 52.8 | | |
| DN1P026 | 42 | 1996 | 51 | 1975 | 1996 | 51.5 | 2021 | 26 | 3% | 1.41 | 72.7 | | |
| DN1P027 | 32 | 1996 | 39 | 1975 | 1996 | 39.2 | 2021 | 26 | 3% | 1.41 | 55.3 | | |
| DN1P028 | 34 | 1996 | 41 | 1975 | 1996 | 41.4 | 2021 | 26 | 3% | 1.41 | 58.5 | | |
| DN1P029 | 7 | 1996 | 9 | 1975 | 1996 | 8.9 | 2021 | 26 | 3% | 1.41 | 12.5 | | |
| DN1P030 | 12 | 1996 | 15 | 1975 | 1996 | 14.7 | 2021 | 26 | 3% | 1.41 | 20.8 | | |
| DN1P031 | 5 | 1996 | 6 | 1975 | 1996 | 6.5 | 2021 | 26 | 3% | 1.41 | 9.1 | | |
| DN5P038 | 10 | 1996 | 13 | 1975 | 1996 | 12.7 | 2021 | 26 | 3% | 1.41 | 17.9 | | |
| DN7P032 | 2 | 1996 | 3 | 1975 | 1996 | 3.0 | 2021 | 26 | 3% | 1.41 | 4.2 | | |
| DN9P001 | 1 | 1996 | 1 | 1976 | 1996 | 1.1 | 2021 | 26 | 3% | 1.41 | 1.6 | | |
| DN9P002 | 10 | 1996 | 12 | 1976 | 1996 | 11.8 | 2021 | 26 | 3% | 1.41 | 16.7 | | |
| DN9P003 | 15 | 1996 | 19 | 1976 | 1996 | 18.8 | 2021 | 26 | 3% | 1.41 | 26.5 | | |
| DN9P004 | 10 | 1996 | 12 | 1976 | 1996 | 12.0 | 2021 | 26 | 3% | 1.41 | 17.0 | | |
| DN9P005 | 13 | 1996 | 16 | 1976 | 1996 | 16.1 | 2021 | 26 | 3% | 1.41 | 22.7 | | |
| DN9P006 | 22 | 1996 | 27 | 1976 | 1996 | 27.5 | 2021 | 26 | 3% | 1.41 | 38.8 | | |
| DN9P007 | 7 | 1996 | 8 | 1976 | 1996 | 8.5 | 2021 | 26 | 3% | 1.41 | 11.9 | | |
| DN9P008 | 7 | 1996 | 9 | 1976 | 1996 | 8.8 | 2021 | 26 | 3% | 1.41 | 12.5 | | |
| DN9P009 | 9 | 1996 | 11 | 1976 | 1996 | 10.7 | 2021 | 26 | 3% | 1.41 | 15.2 | | |
| DN9P010 | 16 | 1996 | 20 | 1976 | 1996 | 19.8 | 2021 | 26 | 3% | 1.41 | 27.9 | | |
| DN9P011 | 11 | 1996 | 13 | 1976 | 1996 | 13.4 | 2021 | 26 | 3% | 1.41 | 18.9 | | |
| DN9P012 | 13 | 1996 | 15 | 1976 | 1996 | 15.5 | 2021 | 26 | 3% | 1.41 | 21.9 | | |
| DN9P020 | 12 | 1996 | 15 | 1976 | 1996 | 15.2 | 2021 | 26 | 3% | 1.41 | 21.5 | | |
| DN9P021 | 7 | 1996 | 8 | 1976 | 1996 | 8.1 | 2021 | 26 | 3% | 1.41 | 11.4 | | |
| DN9P022 | 16 | 1996 | 19 | 1976 | 1996 | 19.2 | 2021 | 26 | 3% | 1.41 | 27.1 | | |
| DN9P023 | 9 | 1996 | 11 | 1976 | 1996 | 11.3 | 2021 | 26 | 3% | 1.41 | 15.9 | | |
| DN9P024 | 10 | 1996 | 12 | 1976 | 1996 | 12.1 | 2021 | 26 | 3% | 1.41 | 17.1 | | |
| DN9P025 | 5 | 1996 | 6 | 1976 | 1996 | 6.3 | 2021 | 26 | 3% | 1.41 | 8.9 | | |
| DN9P026 | 10 | 1996 | 12 | 1976 | 1996 | 11.8 | 2021 | 26 | 3% | 1.41 | 16.6 | | |
| DN9P027 | 14 | 1996 | 17 | 1976 | 1996 | 16.7 | 2021 | 26 | 3% | 1.41 | 23.7 | | |
| DN9P028 | 2 | 1996 | 3 | 1976 | 1996 | 2.5 | 2021 | 26 | 3% | 1.41 | 3.5 | | |
| DN18P001 | 7 | 1996 | 8 | 1976 | 1996 | 8.1 | 2021 | 26 | 3% | 1.41 | 11.4 | | |
| DN18P002 | 5 | 1996 | 7 | 1976 | 1996 | 6.5 | 2021 | 26 | 3% | 1.41 | 9.2 | | |
| DN18P003 | 15 | 1996 | 19 | 1976 | 1996 | 18.6 | 2021 | 26 | 3% | 1.41 | 26.3 | | |
| DN18P004 | 13 | 1996 | 16 | 1976 | 1996 | 16.0 | 2021 | 26 | 3% | 1.41 | 22.5 | | |
| DN18P005 | 12 | 1996 | 15 | 1976 | 1996 | 14.7 | 2021 | 26 | 3% | 1.41 | 20.7 | | |
| DN18P006 | 10 | 1996 | 12 | 1976 | 1996 | 12.2 | 2021 | 26 | 3% | 1.41 | 17.2 | | |
| DN18P007 | 8 | 1996 | 10 | 1976 | 1996 | 10.0 | 2021 | 26 | 3% | 1.41 | 14.2 | | |

**Hastings Council Capital Charge Calculation**
**Dunbogan (including Camden Haven and Lakewood) Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $8,390 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DN2P001 | 2 | 1996 | 3 | 1976 | 1996 | 2.8 | 2021 | 26 | 3% | 1.41 | 4.0 | | |
| DN2P002 | 10 | 1996 | 13 | 1976 | 1996 | 12.7 | 2021 | 26 | 3% | 1.41 | 17.9 | | |
| DN2P003 | 10 | 1996 | 13 | 1976 | 1996 | 12.7 | 2021 | 26 | 3% | 1.41 | 17.9 | | |
| DN2P004 | 11 | 1996 | 14 | 1976 | 1996 | 13.5 | 2021 | 26 | 3% | 1.41 | 19.1 | | |
| DN2P005 | 14 | 1996 | 17 | 1976 | 1996 | 16.6 | 2021 | 26 | 3% | 1.41 | 23.4 | | |
| DN2P006 | 6 | 1996 | 8 | 1976 | 1996 | 7.7 | 2021 | 26 | 3% | 1.41 | 10.8 | | |
| DN2P007 | 12 | 1996 | 14 | 1976 | 1996 | 14.3 | 2021 | 26 | 3% | 1.41 | 20.2 | | |
| DN2P008 | 8 | 1996 | 9 | 1976 | 1996 | 9.4 | 2021 | 26 | 3% | 1.41 | 13.3 | | |
| DN2P009 | 14 | 1996 | 17 | 1976 | 1996 | 16.9 | 2021 | 26 | 3% | 1.41 | 23.9 | | |
| DN2P010 | 13 | 1996 | 16 | 1976 | 1996 | 15.7 | 2021 | 26 | 3% | 1.41 | 22.2 | | |
| DN2P011 | 17 | 1996 | 21 | 1976 | 1996 | 20.7 | 2021 | 26 | 3% | 1.41 | 29.3 | | |
| DN2P012 | 15 | 1996 | 19 | 1976 | 1996 | 18.7 | 2021 | 26 | 3% | 1.41 | 26.4 | | |
| DN2P013 | 4 | 1996 | 4 | 1976 | 1996 | 4.4 | 2021 | 26 | 3% | 1.41 | 6.2 | | |
| DN2P014 | 6 | 1996 | 8 | 1976 | 1996 | 7.7 | 2021 | 26 | 3% | 1.41 | 10.8 | | |
| DN2P015 | 13 | 1996 | 16 | 1976 | 1996 | 16.3 | 2021 | 26 | 3% | 1.41 | 23.1 | | |
| DN3P003 | 13 | 1996 | 16 | 1976 | 1996 | 16.1 | 2021 | 26 | 3% | 1.41 | 22.7 | | |
| DN3P004 | 13 | 1996 | 16 | 1976 | 1996 | 16.4 | 2021 | 26 | 3% | 1.41 | 23.2 | | |
| DN3P005 | 20 | 1996 | 24 | 1976 | 1996 | 24.3 | 2021 | 26 | 3% | 1.41 | 34.3 | | |
| DN3P006 | 12 | 1996 | 15 | 1976 | 1996 | 14.7 | 2021 | 26 | 3% | 1.41 | 20.8 | | |
| DN1P001 | 6 | 1996 | 8 | 1976 | 1996 | 7.9 | 2021 | 26 | 3% | 1.41 | 11.1 | | |
| DN1P002 | 36 | 1996 | 44 | 1976 | 1996 | 43.6 | 2021 | 26 | 3% | 1.41 | 61.5 | | |
| DN1P003 | 18 | 1996 | 22 | 1976 | 1996 | 22.0 | 2021 | 26 | 3% | 1.41 | 31.1 | | |
| DN1P004 | 33 | 1996 | 40 | 1976 | 1996 | 40.5 | 2021 | 26 | 3% | 1.41 | 57.1 | | |
| DN1P005 | 33 | 1996 | 40 | 1976 | 1996 | 40.1 | 2021 | 26 | 3% | 1.41 | 56.6 | | |
| DN1P006 | 28 | 1996 | 35 | 1976 | 1996 | 35.0 | 2021 | 26 | 3% | 1.41 | 49.4 | | |
| DN1P007 | 41 | 1996 | 50 | 1976 | 1996 | 50.3 | 2021 | 26 | 3% | 1.41 | 71.0 | | |
| DN1P008 | 13 | 1996 | 16 | 1976 | 1996 | 16.0 | 2021 | 26 | 3% | 1.41 | 22.6 | | |
| DN1P009 | 32 | 1996 | 40 | 1976 | 1996 | 39.7 | 2021 | 26 | 3% | 1.41 | 56.0 | | |
| DN1P010 | 37 | 1996 | 46 | 1976 | 1996 | 45.9 | 2021 | 26 | 3% | 1.41 | 64.8 | | |
| DN1P011 | 48 | 1996 | 59 | 1976 | 1996 | 58.7 | 2021 | 26 | 3% | 1.41 | 82.9 | | |
| DN1P012 | 36 | 1996 | 44 | 1976 | 1996 | 44.1 | 2021 | 26 | 3% | 1.41 | 62.2 | | |
| DN1P013 | 40 | 1996 | 49 | 1976 | 1996 | 48.6 | 2021 | 26 | 3% | 1.41 | 68.6 | | |
| DN1P014 | 28 | 1996 | 35 | 1976 | 1996 | 34.5 | 2021 | 26 | 3% | 1.41 | 48.7 | | |
| DN1P015 | 30 | 1996 | 36 | 1976 | 1996 | 36.5 | 2021 | 26 | 3% | 1.41 | 51.5 | | |
| DN1P016 | 37 | 1996 | 45 | 1976 | 1996 | 45.1 | 2021 | 26 | 3% | 1.41 | 63.7 | | |
| DN1P017 | 28 | 1996 | 35 | 1976 | 1996 | 34.9 | 2021 | 26 | 3% | 1.41 | 49.2 | | |
| DN1P018 | 32 | 1996 | 39 | 1976 | 1996 | 39.4 | 2021 | 26 | 3% | 1.41 | 55.7 | | |
| DN1P019 | 18 | 1996 | 22 | 1976 | 1996 | 22.1 | 2021 | 26 | 3% | 1.41 | 31.3 | | |
| DN1P020 | 17 | 1996 | 21 | 1976 | 1996 | 20.6 | 2021 | 26 | 3% | 1.41 | 29.1 | | |
| DN1P021 | 12 | 1996 | 15 | 1976 | 1996 | 14.6 | 2021 | 26 | 3% | 1.41 | 20.6 | | |
| DN1P206 | 9 | 1996 | 11 | 1976 | 1996 | 11.5 | 2021 | 26 | 3% | 1.41 | 16.2 | | |
| DN4P001 | 2 | 1996 | 2 | 1976 | 1996 | 2.1 | 2021 | 26 | 3% | 1.41 | 3.0 | | |
| DN5P001 | 3 | 1996 | 4 | 1976 | 1996 | 4.0 | 2021 | 26 | 3% | 1.41 | 5.6 | | |
| DN5P002 | 11 | 1996 | 13 | 1976 | 1996 | 13.2 | 2021 | 26 | 3% | 1.41 | 18.6 | | |
| DN5P003 | 25 | 1996 | 31 | 1976 | 1996 | 30.8 | 2021 | 26 | 3% | 1.41 | 43.5 | | |
| DN5P004 | 21 | 1996 | 26 | 1976 | 1996 | 25.7 | 2021 | 26 | 3% | 1.41 | 36.3 | | |
| DN5P005 | 29 | 1996 | 36 | 1976 | 1996 | 36.1 | 2021 | 26 | 3% | 1.41 | 51.0 | | |
| DN5P006 | 25 | 1996 | 30 | 1976 | 1996 | 30.4 | 2021 | 26 | 3% | 1.41 | 43.0 | | |
| DN5P007 | 14 | 1996 | 17 | 1976 | 1996 | 17.2 | 2021 | 26 | 3% | 1.41 | 24.3 | | |
| DN5P008 | 23 | 1996 | 29 | 1976 | 1996 | 28.8 | 2021 | 26 | 3% | 1.41 | 40.7 | | |
| DN5P009 | 24 | 1996 | 29 | 1976 | 1996 | 29.5 | 2021 | 26 | 3% | 1.41 | 41.6 | | |

**Hastings Council Capital Charge Calculation**
**Dunbogan (including Camden Haven and Lakewood) Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $8,390 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DN5P010 | 24 | 1996 | 30 | 1976 | 1996 | 29.7 | 2021 | 26 | 3% | 1.41 | 41.9 | | |
| DN5P011 | 8 | 1996 | 10 | 1976 | 1996 | 9.6 | 2021 | 26 | 3% | 1.41 | 13.5 | | |
| DN5P012 | 19 | 1996 | 23 | 1976 | 1996 | 22.8 | 2021 | 26 | 3% | 1.41 | 32.2 | | |
| DN5P013 | 16 | 1996 | 20 | 1976 | 1996 | 20.1 | 2021 | 26 | 3% | 1.41 | 28.3 | | |
| DN5P014 | 18 | 1996 | 22 | 1976 | 1996 | 21.6 | 2021 | 26 | 3% | 1.41 | 30.5 | | |
| DN5P015 | 13 | 1996 | 15 | 1976 | 1996 | 15.4 | 2021 | 26 | 3% | 1.41 | 21.8 | | |
| DN5P016 | 14 | 1996 | 17 | 1976 | 1996 | 16.6 | 2021 | 26 | 3% | 1.41 | 23.5 | | |
| DN6P001 | 2 | 1996 | 2 | 1976 | 1996 | 2.2 | 2021 | 26 | 3% | 1.41 | 3.2 | | |
| DN6P002 | 15 | 1996 | 18 | 1976 | 1996 | 17.9 | 2021 | 26 | 3% | 1.41 | 25.2 | | |
| DN6P003 | 40 | 1996 | 49 | 1976 | 1996 | 48.8 | 2021 | 26 | 3% | 1.41 | 68.9 | | |
| DN6P004 | 30 | 1996 | 37 | 1976 | 1996 | 37.2 | 2021 | 26 | 3% | 1.41 | 52.5 | | |
| DN6P005 | 23 | 1996 | 29 | 1976 | 1996 | 28.8 | 2021 | 26 | 3% | 1.41 | 40.7 | | |
| DN6P006 | 15 | 1996 | 18 | 1976 | 1996 | 18.2 | 2021 | 26 | 3% | 1.41 | 25.6 | | |
| DN6P007 | 15 | 1996 | 19 | 1976 | 1996 | 18.8 | 2021 | 26 | 3% | 1.41 | 26.6 | | |
| DN6P008 | 17 | 1996 | 21 | 1976 | 1996 | 21.0 | 2021 | 26 | 3% | 1.41 | 29.7 | | |
| DN6P009 | 33 | 1996 | 40 | 1976 | 1996 | 40.0 | 2021 | 26 | 3% | 1.41 | 56.5 | | |
| DN6P010 | 27 | 1996 | 33 | 1976 | 1996 | 32.7 | 2021 | 26 | 3% | 1.41 | 46.2 | | |
| DN6P011 | 19 | 1996 | 24 | 1976 | 1996 | 23.6 | 2021 | 26 | 3% | 1.41 | 33.3 | | |
| DN6P012 | 24 | 1996 | 30 | 1976 | 1996 | 29.8 | 2021 | 26 | 3% | 1.41 | 42.1 | | |
| DN6P013 | 18 | 1996 | 22 | 1976 | 1996 | 22.4 | 2021 | 26 | 3% | 1.41 | 31.6 | | |
| DN6P014 | 11 | 1996 | 13 | 1976 | 1996 | 13.3 | 2021 | 26 | 3% | 1.41 | 18.8 | | |
| DN6P020 | 18 | 1996 | 22 | 1976 | 1996 | 22.1 | 2021 | 26 | 3% | 1.41 | 31.1 | | |
| DN6P021 | 10 | 1996 | 12 | 1976 | 1996 | 11.7 | 2021 | 26 | 3% | 1.41 | 16.5 | | |
| DN6P022 | 9 | 1996 | 11 | 1976 | 1996 | 11.4 | 2021 | 26 | 3% | 1.41 | 16.0 | | |
| DN6P023 | 5 | 1996 | 6 | 1976 | 1996 | 6.4 | 2021 | 26 | 3% | 1.41 | 9.1 | | |
| DN6P024 | 21 | 1996 | 25 | 1976 | 1996 | 25.2 | 2021 | 26 | 3% | 1.41 | 35.5 | | |
| DN6P074 | 12 | 1996 | 14 | 1976 | 1996 | 14.2 | 2021 | 26 | 3% | 1.41 | 20.0 | | |
| DN7P001 | 2 | 1996 | 2 | 1976 | 1996 | 2.1 | 2021 | 26 | 3% | 1.41 | 3.0 | | |
| DN7P002 | 23 | 1996 | 29 | 1976 | 1996 | 28.8 | 2021 | 26 | 3% | 1.41 | 40.7 | | |
| DN7P003 | 5 | 1996 | 6 | 1976 | 1996 | 6.2 | 2021 | 26 | 3% | 1.41 | 8.7 | | |
| DN7P004 | 13 | 1996 | 16 | 1976 | 1996 | 16.0 | 2021 | 26 | 3% | 1.41 | 22.6 | | |
| DN7P005 | 12 | 1996 | 14 | 1976 | 1996 | 14.5 | 2021 | 26 | 3% | 1.41 | 20.5 | | |
| DN7P006 | 11 | 1996 | 14 | 1976 | 1996 | 13.7 | 2021 | 26 | 3% | 1.41 | 19.3 | | |
| DN7P007 | 11 | 1996 | 13 | 1976 | 1996 | 13.4 | 2021 | 26 | 3% | 1.41 | 18.9 | | |
| DN7P008 | 15 | 1996 | 19 | 1976 | 1996 | 18.6 | 2021 | 26 | 3% | 1.41 | 26.2 | | |
| DN7P009 | 16 | 1996 | 19 | 1976 | 1996 | 19.1 | 2021 | 26 | 3% | 1.41 | 27.0 | | |
| DN7P010 | 11 | 1996 | 13 | 1976 | 1996 | 13.4 | 2021 | 26 | 3% | 1.41 | 18.9 | | |
| DN7P011 | 10 | 1996 | 12 | 1976 | 1996 | 12.0 | 2021 | 26 | 3% | 1.41 | 16.9 | | |
| DN7P012 | 6 | 1996 | 7 | 1976 | 1996 | 7.0 | 2021 | 26 | 3% | 1.41 | 9.9 | | |
| DN7P013 | 11 | 1996 | 14 | 1976 | 1996 | 13.6 | 2021 | 26 | 3% | 1.41 | 19.2 | | |
| DN7P048 | 4 | 1996 | 5 | 1976 | 1996 | 4.5 | 2021 | 26 | 3% | 1.41 | 6.4 | | |
| DN11P001 | 1 | 1996 | 1 | 1976 | 1996 | 0.8 | 2021 | 26 | 3% | 1.41 | 1.1 | | |
| DN12P001 | 0 | 1996 | 0 | 1978 | 1996 | 0.4 | 2021 | 26 | 3% | 1.41 | 0.6 | | |
| DN12P002 | 3 | 1996 | 3 | 1978 | 1996 | 3.1 | 2021 | 26 | 3% | 1.41 | 4.4 | | |
| DN12P003 | 6 | 1996 | 7 | 1978 | 1996 | 7.5 | 2021 | 26 | 3% | 1.41 | 10.6 | | |
| DN12P004 | 8 | 1996 | 9 | 1978 | 1996 | 9.3 | 2021 | 26 | 3% | 1.41 | 13.1 | | |
| DN12P005 | 5 | 1996 | 7 | 1978 | 1996 | 6.6 | 2021 | 26 | 3% | 1.41 | 9.3 | | |
| DN12P006 | 10 | 1996 | 12 | 1978 | 1996 | 11.8 | 2021 | 26 | 3% | 1.41 | 16.6 | | |
| DN12P007 | 3 | 1996 | 4 | 1978 | 1996 | 4.2 | 2021 | 26 | 3% | 1.41 | 5.9 | | |
| DN12P008 | 8 | 1996 | 10 | 1978 | 1996 | 9.7 | 2021 | 26 | 3% | 1.41 | 13.8 | | |
| DN10P002 | 4 | 1996 | 4 | 1978 | 1996 | 4.3 | 2021 | 26 | 3% | 1.41 | 6.1 | | |

**Hastings Council Capital Charge Calculation**
**Dunbogan (including Camden Haven and Lakewood) Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $8,390 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DN15P001 | 2 | 1996 | 2 | 1986 | 1996 | 2.2 | 2021 | 26 | 3% | 1.41 | 3.1 | | |
| DN15P002 | 23 | 1996 | 28 | 1986 | 1996 | 27.6 | 2021 | 26 | 3% | 1.41 | 39.0 | | |
| DN15P003 | 19 | 1996 | 24 | 1986 | 1996 | 23.7 | 2021 | 26 | 3% | 1.41 | 33.5 | | |
| DN15P004 | 17 | 1996 | 21 | 1986 | 1996 | 20.8 | 2021 | 26 | 3% | 1.41 | 29.4 | | |
| DN15P005 | 9 | 1996 | 11 | 1986 | 1996 | 10.6 | 2021 | 26 | 3% | 1.41 | 14.9 | | |
| DN15P006 | 18 | 1996 | 22 | 1986 | 1996 | 21.5 | 2021 | 26 | 3% | 1.41 | 30.4 | | |
| DN15P007 | 8 | 1996 | 9 | 1986 | 1996 | 9.4 | 2021 | 26 | 3% | 1.41 | 13.2 | | |
| DN15P008 | 23 | 1996 | 29 | 1986 | 1996 | 28.6 | 2021 | 26 | 3% | 1.41 | 40.4 | | |
| DN15P009 | 12 | 1996 | 15 | 1986 | 1996 | 15.0 | 2021 | 26 | 3% | 1.41 | 21.2 | | |
| DN15P010 | 2 | 1996 | 3 | 1986 | 1996 | 2.7 | 2021 | 26 | 3% | 1.41 | 3.8 | | |
| DN17P001 | 0 | 1996 | 0 | 1986 | 1996 | 0.3 | 2021 | 26 | 3% | 1.41 | 0.4 | | |
| DN22P001 | 0 | 1996 | 0 | 1988 | 1996 | 0.4 | 2021 | 26 | 3% | 1.41 | 0.6 | | |
| DN22P002 | 1 | 1996 | 2 | 1988 | 1996 | 1.6 | 2021 | 26 | 3% | 1.41 | 2.3 | | |
| DN22P003 | 10 | 1996 | 12 | 1988 | 1996 | 12.0 | 2021 | 26 | 3% | 1.41 | 16.9 | | |
| DN22P004 | 6 | 1996 | 7 | 1988 | 1996 | 7.4 | 2021 | 26 | 3% | 1.41 | 10.5 | | |
| DN22P005 | 7 | 1996 | 8 | 1988 | 1996 | 8.4 | 2021 | 26 | 3% | 1.41 | 11.8 | | |
| DN22P006 | 12 | 1996 | 15 | 1988 | 1996 | 14.7 | 2021 | 26 | 3% | 1.41 | 20.8 | | |
| DN22P007 | 8 | 1996 | 9 | 1988 | 1996 | 9.5 | 2021 | 26 | 3% | 1.41 | 13.4 | | |
| DN22P008 | 9 | 1996 | 11 | 1988 | 1996 | 10.9 | 2021 | 26 | 3% | 1.41 | 15.4 | | |
| DN22P009 | 1 | 1996 | 2 | 1988 | 1996 | 1.8 | 2021 | 26 | 3% | 1.41 | 2.5 | | |
| DN22P010 | 4 | 1996 | 4 | 1988 | 1996 | 4.4 | 2021 | 26 | 3% | 1.41 | 6.2 | | |
| DN22P011 | 9 | 1996 | 11 | 1988 | 1996 | 10.7 | 2021 | 26 | 3% | 1.41 | 15.1 | | |
| DN22P012 | 11 | 1996 | 13 | 1988 | 1996 | 12.9 | 2021 | 26 | 3% | 1.41 | 18.3 | | |
| DN22P013 | 10 | 1996 | 12 | 1988 | 1996 | 12.5 | 2021 | 26 | 3% | 1.41 | 17.6 | | |
| DN22P014 | 7 | 1996 | 9 | 1988 | 1996 | 8.7 | 2021 | 26 | 3% | 1.41 | 12.2 | | |
| DN22P015 | 1 | 1996 | 1 | 1988 | 1996 | 0.7 | 2021 | 26 | 3% | 1.41 | 1.0 | | |
| | | | | | | | | | | | | | |
| **Future** | | | | | | | | | | | | | |
| Dunbogan Trunk System Augmentation | 500 | 2001 | 526 | 2011 | 2011 | 306.0 | 2021 | 11 | 7% | 1.37 | 419.6 | | |
| Dunbogan Trunk System Augmentation | 500 | 2001 | 526 | 2012 | 2012 | 286.0 | 2021 | 10 | 7% | 1.33 | 380.6 | | |
| Dunbogan Trunk System Augmentation | 1000 | 2001 | 1052 | 2013 | 2013 | 534.6 | 2021 | 9 | 7% | 1.29 | 690.2 | | |
| | | | | | | | | | | | **5,899** | **3,947** | **1,494** |
| **Council Wide Works** | | | | | | | | | | | | | |
| **Existing (post 1996)** | | | | | | | | | | | | | |
| Lab Equipment | 20 | 2001 | 21 | 2001 | 2001 | 21 | 2021 | 21 | 7% | 1.81 | 38 | | |
| | 10 | 2001 | 11 | 2002 | 2002 | 11 | 2021 | 20 | 7% | 1.76 | 19 | | |
| | 10 | 2001 | 11 | 2003 | 2003 | 11 | 2021 | 19 | 7% | 1.72 | 18 | | |
| Minor Extensions | 20 | 2001 | 21 | 2001 | 2001 | 21 | 2021 | 21 | 7% | 1.81 | 38 | | |
| | 20 | 2001 | 21 | 2002 | 2002 | 21 | 2021 | 20 | 7% | 1.76 | 37 | | |
| | 20 | 2001 | 21 | 2003 | 2003 | 21 | 2021 | 19 | 7% | 1.72 | 36 | | |
| Pumping stations and telemetry | 30 | 2001 | 32 | 2001 | 2001 | 32 | 2021 | 21 | 7% | 1.81 | 57 | | |
| | 30 | 2001 | 32 | 2002 | 2002 | 32 | 2021 | 20 | 7% | 1.76 | 56 | | |
| | 30 | 2001 | 32 | 2003 | 2003 | 32 | 2021 | 19 | 7% | 1.72 | 54 | | |
| Wet well washers | 50 | 2001 | 53 | 2001 | 2001 | 53 | 2021 | 21 | 7% | 1.81 | 95 | | |
| Laboratory extension - new fume | 50 | 2001 | 53 | 2002 | 2002 | 53 | 2021 | 20 | 7% | 1.76 | 93 | | |
| | | | | | | | | | | | | | |
| **Future** | | | | | | | | | | | | | |
| Lab Equipment | 10 | 2001 | 11 | 2004 | 2004 | 10 | 2021 | 18 | 7% | 1.67 | 16 | | |
| | 10 | 2001 | 11 | 2005 | 2005 | 9 | 2021 | 17 | 7% | 1.63 | 15 | | |
| | 10 | 2001 | 11 | 2006 | 2006 | 9 | 2021 | 16 | 7% | 1.58 | 14 | | |
| | 10 | 2001 | 11 | 2007 | 2007 | 8 | 2021 | 15 | 7% | 1.54 | 12 | | |

**Hastings Council Capital Charge Calculation**
**Dunbogan (including Camden Haven and Lakewood) Sewerage**

Pre 1996 discount rate 3%
Post 1996 discount rate 7%

**Summary**

| per ET | Totals |
|---|---|
| Capital Charge | $8,390 |

| Asset | Capital cost ($'000)[1] | Year dollars[2] | Capital Cost ($'000, 2003$)[3] | Year commiss-ioned | Effective year commiss-ioned | Present value 2003 ($'000)[4] | Year of full take-up | Years to full take-up | Discount Rate | ROI factor | Capital Cost + ROI ($'000, 2003$) | Capacity (ETs) | Capital Charge ($/ET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | 2001 | 11 | 2008 | 2008 | 7 | 2021 | 14 | 7% | 1.50 | 11 | | |
| | 10 | 2001 | 11 | 2009 | 2009 | 7 | 2021 | 13 | 7% | 1.45 | 10 | | |
| | 10 | 2001 | 11 | 2010 | 2010 | 7 | 2021 | 12 | 7% | 1.41 | 9 | | |
| | 10 | 2001 | 11 | 2011 | 2011 | 6 | 2021 | 11 | 7% | 1.37 | 8 | | |
| | 10 | 2001 | 11 | 2012 | 2012 | 6 | 2021 | 10 | 7% | 1.33 | 8 | | |
| | 10 | 2001 | 11 | 2013 | 2013 | 5 | 2021 | 9 | 7% | 1.29 | 7 | | |
| | 10 | 2001 | 11 | 2014 | 2014 | 5 | 2021 | 8 | 7% | 1.25 | 6 | | |
| | 10 | 2001 | 11 | 2015 | 2015 | 5 | 2021 | 7 | 7% | 1.21 | 6 | | |
| | 10 | 2001 | 11 | 2016 | 2016 | 4 | 2021 | 6 | 7% | 1.18 | 5 | | |
| | 10 | 2001 | 11 | 2017 | 2017 | 4 | 2021 | 5 | 7% | 1.14 | 5 | | |
| | 10 | 2001 | 11 | 2018 | 2018 | 4 | 2021 | 4 | 7% | 1.10 | 4 | | |
| | 10 | 2001 | 11 | 2019 | 2019 | 4 | 2021 | 3 | 7% | 1.07 | 4 | | |
| | 10 | 2001 | 11 | 2020 | 2020 | 3 | 2021 | 2 | 7% | 1.03 | 3 | | |
| | 10 | 2001 | 11 | 2021 | 2021 | 3 | 2021 | 1 | 7% | 1.00 | 3 | | |
| Minor Extensions | 20 | 2001 | 21 | 2004 | 2004 | 20 | 2021 | 18 | 7% | 1.67 | 33 | | |
| | 20 | 2001 | 21 | 2005 | 2005 | 18 | 2021 | 17 | 7% | 1.63 | 30 | | |
| | 20 | 2001 | 21 | 2006 | 2006 | 17 | 2021 | 16 | 7% | 1.58 | 27 | | |
| | 20 | 2001 | 21 | 2007 | 2007 | 16 | 2021 | 15 | 7% | 1.54 | 25 | | |
| | 20 | 2001 | 21 | 2008 | 2008 | 15 | 2021 | 14 | 7% | 1.50 | 22 | | |
| | 20 | 2001 | 21 | 2009 | 2009 | 14 | 2021 | 13 | 7% | 1.45 | 20 | | |
| | 20 | 2001 | 21 | 2010 | 2010 | 13 | 2021 | 12 | 7% | 1.41 | 18 | | |
| | 20 | 2001 | 21 | 2011 | 2011 | 12 | 2021 | 11 | 7% | 1.37 | 17 | | |
| | 20 | 2001 | 21 | 2012 | 2012 | 11 | 2021 | 10 | 7% | 1.33 | 15 | | |
| | 20 | 2001 | 21 | 2013 | 2013 | 11 | 2021 | 9 | 7% | 1.29 | 14 | | |
| | 20 | 2001 | 21 | 2014 | 2014 | 10 | 2021 | 8 | 7% | 1.25 | 13 | | |
| | 20 | 2001 | 21 | 2015 | 2015 | 9 | 2021 | 7 | 7% | 1.21 | 11 | | |
| | 20 | 2001 | 21 | 2016 | 2016 | 9 | 2021 | 6 | 7% | 1.18 | 10 | | |
| | 20 | 2001 | 21 | 2017 | 2017 | 8 | 2021 | 5 | 7% | 1.14 | 9 | | |
| | 20 | 2001 | 21 | 2018 | 2018 | 8 | 2021 | 4 | 7% | 1.10 | 8 | | |
| | 20 | 2001 | 21 | 2019 | 2019 | 7 | 2021 | 3 | 7% | 1.07 | 8 | | |
| | 20 | 2001 | 21 | 2020 | 2020 | 7 | 2021 | 2 | 7% | 1.03 | 7 | | |
| | 20 | 2001 | 21 | 2021 | 2021 | 6 | 2021 | 1 | 7% | 1.00 | 6 | | |
| Pumping stations and telemetry | 30 | 2001 | 32 | 2004 | 2004 | 29 | 2021 | 18 | 7% | 1.67 | 49 | | |
| | | | | | | | | | | | 1032 | 33,346 | 31 |
| | | | | | | | | | | | | | $ 8,390 |

# Appendix E

## Calculation of the Reduction Amount

**Capital Charges**

| | | DSP 1 | DSP 2 | DSP 3 |
|---|---|---|---|---|
| Kew/Kendall | $ 17,687 | 100% | | |
| | | | | |
| Dunbogan | $ 8,390 | 47% | 100% | |
| | | | | |
| Lake Cathie/Bonny Hills | $ 6,459 | 37% | 77% | |
| | | | | |
| Wauchope | $ 5,733 | 32% | 68% | 100% |
| | | | | |
| Port Macquarie | $ 4,875 | 28% | 58% | 85% |

| Village | Current Population (2003 ET) | Future Population (2008 ET) | Growth for Period | Proportion of Total Growth |
|---|---|---|---|---|
| Port Macquarie | 16,570 | 18,112 | 1,542 | 58% |
| Dunbogan | 2,939 | 3,243 | 304 | 11% |
| Lake Cathie/Bonny Hills | 2,038 | 2,663 | 625 | 23% |
| Wauchope | 2,144 | 2,318 | 174 | 7% |
| Kew/Kendall | 390 | 420 | 30 | 1% |
| **Total** | **24,081** | **26,756** | **2,675** | **100%** |

| DSP | Village | Capital Charge | Proportion of Growth | Weighted Capital Charge for each location | Capital Charge for each DSP area |
|---|---|---|---|---|---|
| 1 | Kew/Kendall | $17,687 | 1% | $201 | $17,687 |
| 2 | Dunbogan | $8,390 | 11% | $954 | $7,091 |
| | Lk Cathie/Bonny Hills | $6,459 | 23% | $1,509 | |
| | **Total DSP 2** | | **35%** | **$2,463** | |
| 3 | Wauchope | $5,733 | 7% | $373 | $4,962 |
| | Port Macquarie | $4,875 | 58% | $2,809 | |
| | **Total DSP 3** | | **64%** | **$3,182** | |

**Weighted Average Capital Charge for Hastings** **$5,846**

**Reduction Amount** **$920**

**Developer Charges**

1 Kew/Kendall $16,767

2 Dunbogan
Lk Cathie/Bonny Hills $6,171

3 Wauchope
Port Macquarie $4,042

**Weighted Average Developer Charge** **$4,926**

## Calculation of Developer Charges using the NPV of Annual Charges Method

**Based on Input Reduction Amounts of** $800 /ET (1st iteration)

**Hastings Council Sewerage**

### Year

| Year No | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 |

### Developer Charges

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year 1 | 2003 /04 | | | | | | | | | | | | | | | | | | | |
| Base Year | 2003 /04 | | | | | | | | | | | | | | | | | | | |
| Average Capital Charges per ET (2003/04$) | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| Inflation from Base year to Year 1 (%) | 0.00% | | | | | | | | | | | | | | | | | | | |
| Capital Charges (2003/04$) | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 |
| **Input Reduction Amounts (2003/04$)** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** | **800** |
| Developer Charge per ET (2003/04$) | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 |
| Developer Charges per assessment - Residential (2003/04$) | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 |
| Developer Charges per assessment - Non-Residential (2003/04$) | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 |

### Assessments & ETs

| | 2002/03 | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Residential Assessments at year end | 22,584 | 23,149 | 23,705 | 24,274 | 24,857 | 25,429 | 26,014 | 26,586 | 27,171 | 27,769 | 28,352 | 28,947 | 29,528 | 30,117 | 30,689 | 31,272 | 31,866 | 32,440 | 33,024 | 33,585 | 34,156 |
| Non Residential Assessments at year end | 1,637 | 1,678 | 1,718 | 1,759 | 1,801 | 1,842 | 1,884 | 1,925 | 1,967 | 2,010 | 2,052 | 2,095 | 2,137 | 2,180 | 2,221 | 2,263 | 2,306 | 2,348 | 2,390 | 2,431 | 2,472 |
| Backlog Assessments at year end | | | 25 | 142 | 195 | 325 | | | | | | | | | | | | | | | |
| Total Assessments at year end | 24,221 | 24,827 | 25,423 | 26,033 | 26,658 | 27,271 | 27,898 | 28,511 | 29,138 | 29,779 | 30,404 | 31,042 | 31,663 | 32,297 | 32,910 | 33,535 | 34,172 | 34,788 | 35,414 | 36,016 | 36,628 |
| ET per Residential Assessment | 1 | | | | | | | | | | | | | | | | | | | | |
| ET per Non Residential Assessment | 1 | | | | | | | | | | | | | | | | | | | | |
| Total ETs | 24,221 | 24,827 | 25,446 | 26,175 | 26,853 | 27,596 | 27,898 | 28,511 | 29,138 | 29,779 | 30,404 | 31,042 | 31,663 | 32,297 | 32,910 | 33,535 | 34,172 | 34,788 | 35,414 | 36,016 | 36,628 |
| New ETs per year (excluding backlog) | - | 606 | 596 | 585 | 483 | 418 | 302 | 613 | 627 | 641 | 625 | 638 | 621 | 634 | 613 | 625 | 637 | 616 | 626 | 602 | 612 |
| Cumulative New ETs (excluding backlog) | - | 606 | 1,202 | 1,787 | 2,270 | 2,688 | 2,990 | 3,603 | 4,230 | 4,871 | 5,496 | 6,134 | 6,755 | 7,389 | 8,002 | 8,627 | 9,264 | 9,880 | 10,506 | 11,108 | 11,720 |
| **PV (new ETs excluding backlog) 30 years @ 7% pa** | - | 7,686 | 7,661 | 7,646 | 7,641 | 7,745 | 7,926 | 8,244 | 8,251 | 8,244 | 8,221 | 8,214 | 8,192 | 8,187 | 8,168 | 8,170 | 8,159 | 8,134 | 8,131 | 8,118 | 8,126 |

### Revenue and Expenditure

Rates & Charges Revenue, Trade Waste Charges, Other Sales and Charges, Pensioner Rebate Grant

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Revenue ($'000) (2003/04$) | 13,068 | 13,376 | 10,047 | 10,273 | 10,516 | 10,760 | 10,990 | 11,244 | 11,498 | 11,738 | 12,004 | 12,227 | 12,478 | 12,737 | 12,965 | 13,218 | 13,454 | 13,712 | 13,950 | 14,186 |
| OMA Expenditure ($'000) (2003/04$) | 7,031 | 7,215 | 7,411 | 7,618 | 7,826 | 8,039 | 8,468 | 8,718 | 8,900 | 9,076 | 9,256 | 9,436 | 9,615 | 9,793 | 9,974 | 10,154 | 10,333 | 10,513 | 10,694 | 10,879 |
| Revenue less OMA Expenditure ($'000) | 6,037 | 6,161 | 2,636 | 2,655 | 2,690 | 2,721 | 2,522 | 2,526 | 2,598 | 2,662 | 2,748 | 2,791 | 2,863 | 2,944 | 2,991 | 3,064 | 3,121 | 3,199 | 3,256 | 3,307 |
| Revenue less OMA Expenditure for new ETs ($'000) | 147 | 291 | 180 | 224 | 262 | 292 | 319 | 367 | 425 | 481 | 543 | 595 | 655 | 716 | 769 | 831 | 886 | 949 | 1,004 | 1,058 |
| **PV (Revenue less OMA Expenditure for new ETs) 30 years @ 7% pa ($'000)** | 7,829 | 6,519 | 5,158 | 7,345 | 7,477 | 7,719 | 8,096 | 8,541 | 8,720 | 8,767 | 8,847 | 8,852 | 8,993 | 9,042 | 9,077 | 9,217 | 9,259 | 9,383 | 9,416 | 9,559 |
| **Output (calculated) Reduction Amounts** | **1,019** | **851** | **675** | **961** | **965** | **974** | **982** | **1,035** | **1,058** | **1,066** | **1,077** | **1,081** | **1,098** | **1,107** | **1,111** | **1,130** | **1,138** | **1,154** | **1,160** | **1,176** |
| **Output with first 5 years averaged** | **894** | **894** | **894** | **894** | **894** | **974** | **982** | **1,035** | **1,058** | **1,066** | **1,077** | **1,081** | **1,098** | **1,107** | **1,111** | **1,130** | **1,138** | **1,154** | **1,160** | **1,176** |
| **% Difference Between the Input and Output** | **12%** | | | | | | | | | | | | | | | | | | | |

**Difference Greater Than 2%, Go to Next Iteration**

General Notes:

1. Approximately three iterations of the financial planning model are normally required until the Ouput Reduction Amount for the first 5 years is within 2% of the Input Reduction Amount.

**Specific Notes:**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 2023/24 | 2024/25 | 2025/26 | 2026/27 | 2027/28 | 2028/29 | 2029/30 | 2030/31 | 2031/32 | 2032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 | 2043/44 | 2044/45 | 2045/46 | 2046/47 | 2047/48 | 2048/49 | 2049/50 | 2050/51 | 2051/52 | 2052/53 |
| 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 |
| 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 |
| 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,050 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 | 5,046 |

| 2023/24 | 2024/25 | 2025/26 | 2026/27 | 2027/28 | 2028/29 | 2029/30 | 2030/31 | 2031/32 | 2032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 | 2043/44 | 2044/45 | 2045/46 | 2046/47 | 2047/48 | 2048/49 | 2049/50 | 2050/51 | 2051/52 | 2052/53 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34,737 | 35,328 | 35,929 | 36,540 | 37,161 | 37,793 | 38,435 | 39,088 | 39,752 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 |
| 2,514 | 2,557 | 2,600 | 2,644 | 2,689 | 2,735 | 2,781 | 2,828 | 2,876 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 |
| | | | | | | | | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 37,251 | 37,885 | 38,529 | 39,184 | 39,850 | 40,528 | 41,216 | 41,916 | 42,628 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 |
| 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 |
| 12,332 | 12,944 | 13,556 | 14,168 | 14,780 | 15,392 | 16,004 | 16,616 | 17,228 | 17,840 | 18,452 | 19,064 | 19,676 | 20,288 | 20,900 | 21,512 | 22,124 | 22,736 | 23,348 | 23,960 | 24,572 | 25,184 | 25,796 | 26,408 | 27,020 | 27,632 | 28,244 | 28,856 | 29,468 | 30,080 |
| 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14,441 | 14,691 | 14,937 | 15,204 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 | 15,463 |
| 11,065 | 11,255 | 11,448 | 11,646 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 |
| 3,376 | 3,436 | 3,489 | 3,558 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 | 3,615 |
| 1,137 | 1,214 | 1,291 | 1,376 | 1,459 | 1,519 | 1,580 | 1,640 | 1,700 | 1,761 | 1,821 | 1,882 | 1,942 | 2,002 | 2,063 | 2,123 | 2,184 | 2,244 | 2,304 | 2,365 | 2,425 | 2,486 | 2,546 | 2,606 | 2,667 | 2,727 | 2,788 | 2,848 | 2,908 | 2,969 |
| 9,731 | 9,563 | 9,393 | 9,217 | 8,913 | 8,620 | 8,620 | 8,620 | 8,620 | 8,620 | 8,620 | | | | | | | | | | | | | | | | | | | |
| 1,197 | 1,177 | 1,156 | 1,134 | 1,097 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | | | | | | | | | | | | | | | | | | | |
| 1,197 | 1,177 | 1,156 | 1,134 | 1,097 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | | | | | | | | | | | | | | | | | | | |

## Calculation of Developer Charges using the NPV of Annual Charges Method

**Based on Input Reduction Amounts of** $894 /ET (2nd iteration)

**Hastings Council Sewerage**

| Year | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year No | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Year | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 |
| **Developer Charges** | | | | | | | | | | | | | | | | | | | | |
| Year 1 | 2003/04 | | | | | | | | | | | | | | | | | | | |
| Base Year | 2003/04 | | | | | | | | | | | | | | | | | | | |
| Average Capital Charges per ET (2003/04$) | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| Inflation from Base year to Year 1 (%) | 0.00% | | | | | | | | | | | | | | | | | | | |
| Capital Charge (2003/04$) | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 |
| **Input Reduction Amounts (2003/04$)** | **894** | **894** | **894** | **894** | **894** | **974** | **982** | **1,035** | **1,058** | **1,066** | **1,077** | **1,081** | **1,098** | **1,107** | **1,111** | **1,130** | **1,138** | **1,154** | **1,160** | **1,176** |
| Developer Charge per ET (2003/04$) | 4,960 | 4,960 | 4,960 | 4,960 | 4,960 | 4,880 | 4,870 | 4,810 | 4,790 | 4,780 | 4,770 | 4,770 | 4,750 | 4,740 | 4,740 | 4,720 | 4,710 | 4,700 | 4,690 | 4,670 |
| Developer Charges per assessment - Residential (2003/04$) | 4,960 | 4,960 | 4,960 | 4,960 | 4,960 | 4,880 | 4,870 | 4,810 | 4,790 | 4,780 | 4,770 | 4,770 | 4,750 | 4,740 | 4,740 | 4,720 | 4,710 | 4,700 | 4,690 | 4,670 |
| Developer Charges per assessment - Non-Residential (2003/04$) | 4,960 | 4,960 | 4,960 | 4,960 | 4,960 | 4,880 | 4,870 | 4,810 | 4,790 | 4,780 | 4,770 | 4,770 | 4,750 | 4,740 | 4,740 | 4,720 | 4,710 | 4,700 | 4,690 | 4,670 |
| **Assessments & ETs** | 2002/03 | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 |
| Residential Assessments at year end | 22,584 | 23,149 | 23,705 | 24,274 | 24,857 | 25,429 | 26,014 | 26,586 | 27,171 | 27,769 | 28,352 | 28,947 | 29,526 | 30,117 | 30,689 | 31,272 | 31,866 | 32,440 | 33,024 | 33,585 | 34,156 |
| Non Residential Assessments at year end | 1,637 | 1,678 | 1,718 | 1,759 | 1,801 | 1,842 | 1,884 | 1,925 | 1,967 | 2,010 | 2,052 | 2,095 | 2,137 | 2,180 | 2,221 | 2,263 | 2,306 | 2,348 | 2,390 | 2,431 | 2,472 |
| Backlog Assessments at year end | - | - | 25 | 142 | 195 | 325 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Assessments at year end | 24,221 | 24,827 | 25,423 | 26,033 | 26,658 | 27,271 | 27,898 | 28,511 | 29,138 | 29,779 | 30,404 | 31,042 | 31,663 | 32,297 | 32,910 | 33,535 | 34,172 | 34,788 | 35,414 | 36,016 | 36,628 |
| ET per Residential Assessment | 1 | | | | | | | | | | | | | | | | | | | | |
| ET per Non Residential Assessment | 1 | | | | | | | | | | | | | | | | | | | | |
| Total ETs | 24,221 | 24,827 | 25,448 | 26,175 | 26,853 | 27,596 | 27,898 | 28,511 | 29,138 | 29,779 | 30,404 | 31,042 | 31,663 | 32,297 | 32,910 | 33,535 | 34,172 | 34,788 | 35,414 | 36,016 | 36,628 |
| New ETs per year (excluding backlog) | - | 606 | 596 | 565 | 483 | 418 | 302 | 613 | 627 | 641 | 625 | 638 | 621 | 634 | 613 | 625 | 637 | 616 | 626 | 602 | 612 |
| Cumulative New ETs (excluding backlog) | - | 606 | 1,202 | 1,767 | 2,270 | 2,688 | 2,990 | 3,603 | 4,230 | 4,871 | 5,496 | 6,134 | 6,755 | 7,389 | 8,002 | 8,627 | 9,264 | 9,880 | 10,506 | 11,108 | 11,720 |
| PV (new ETs excluding backlog) 30 years @ 7% pa | - | 7,686 | 7,661 | 7,646 | 7,641 | 7,745 | 7,926 | 8,244 | 8,251 | 8,244 | 8,221 | 8,214 | 8,192 | 8,187 | 8,188 | 8,170 | 8,159 | 8,134 | 8,131 | 8,116 | 8,126 |
| **Revenue and Expenditure** | | | | | | | | | | | | | | | | | | | | | |
| Rates & Charges Revenue, Trade Waste Charges, Other Sales and Charges, Pensioner Rebate Grant | | | | | | | | | | | | | | | | | | | | | |
| Revenue ($'000) (2003/04$) | 13,068 | 13,376 | 10,100 | 10,327 | 10,569 | 10,813 | 11,071 | 11,298 | 11,553 | 11,818 | 12,056 | 12,306 | 12,556 | 12,788 | 13,042 | 13,296 | 13,531 | 13,788 | 14,026 | 14,261 | |
| OMA Expenditure ($'000) (2003/04$) | 7,031 | 7,215 | 7,411 | 7,618 | 7,826 | 8,039 | 8,468 | 8,718 | 8,900 | 9,076 | 9,256 | 9,436 | 9,615 | 9,793 | 9,974 | 10,154 | 10,333 | 10,513 | 10,694 | 10,879 | |
| Revenue less OMA Expenditure ($'000) | 6,037 | 6,161 | 2,689 | 2,709 | 2,743 | 2,774 | 2,603 | 2,580 | 2,653 | 2,742 | 2,800 | 2,870 | 2,941 | 2,995 | 3,068 | 3,142 | 3,198 | 3,275 | 3,332 | 3,382 | |
| Revenue less OMA Expenditure for new ETs ($'000) | 147 | 291 | 184 | 229 | 267 | 297 | 329 | 375 | 434 | 496 | 553 | 612 | 673 | 728 | 789 | 852 | 908 | 972 | 1,028 | 1,082 | |
| PV (Revenue less OMA Expenditure for new ETs) 30 years @ 7% pa ($'000) | 8,010 | 8,719 | 5,379 | 7,536 | 7,675 | 7,931 | 8,323 | 8,725 | 8,959 | 9,014 | 9,040 | 9,126 | 9,199 | 9,256 | 9,391 | 9,455 | 9,503 | 9,641 | 9,691 | 9,846 | |
| **Output (calculated) Reduction Amounts** | **1,042** | **877** | **704** | **986** | **991** | **1,001** | **1,010** | **1,057** | **1,087** | **1,096** | **1,101** | **1,114** | **1,124** | **1,133** | **1,150** | **1,159** | **1,168** | **1,186** | **1,194** | **1211.9** | |
| **Average Calculated Reduction for a 5 yr Period** | **920** | **920** | **920** | **920** | **920** | **1,001** | **1,010** | **1,057** | **1,087** | **1,096** | **1,101** | **1,114** | **1,124** | **1,133** | **1,150** | **1,159** | **1,168** | **1,186** | **1,194** | **1211.9** | |
| **% Difference Between the Input and Output** | **3%** | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Developer Che | 4,930 | 4,930 | 4,930 | 4,930 | 4,930 | 4,849 | 4,840 | 4,793 | 4,763 | 4,754 | 4,749 | 4,736 | 4,726 | 4,717 | 4,700 | 4,691 | 4,682 | 4,664 | 4,656 | 4,638 | |

**Difference Greater Than 2%, Go to Next Iteration**

**General Notes:**

1. Approximately three iterations of the financial planning model are normally required until the Ouput Reduction Amount for the first 5 years is within 2% of the Input Reduction Amount.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 2023/24 | 2024/25 | 2025/26 | 2026/27 | 2027/28 | 2028/29 | 2029/30 | 2030/31 | 2031/32 | 2032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 | 2043/44 | 2044/45 | 2045/46 | 2046/47 | 2047/48 | 2048/49 | 2049/50 | 2050/51 | 2051/52 | 2052/53 |
| 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| 1,197 | 1,177 | 1,156 | 1,134 | 1,097 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 | 1,061 |
| 4,650 | 4,670 | 4,690 | 4,720 | 4,750 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 |
| 4,650 | 4,670 | 4,690 | 4,720 | 4,750 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 |
| 4,650 | 4,670 | 4,690 | 4,720 | 4,750 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 | 4,790 |

| 2023/24 | 2024/25 | 2025/26 | 2026/27 | 2027/28 | 2028/29 | 2029/30 | 2030/31 | 2031/32 | 2032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 | 2043/44 | 2044/45 | 2045/46 | 2046/47 | 2047/48 | 2048/49 | 2049/50 | 2050/51 | 2051/52 | 2052/53 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34,737 | 35,328 | 35,929 | 36,540 | 37,161 | 37,793 | 38,435 | 39,088 | 39,752 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 |
| 2,514 | 2,557 | 2,600 | 2,644 | 2,689 | 2,735 | 2,781 | 2,828 | 2,876 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 37,251 | 37,885 | 38,529 | 39,184 | 39,850 | 40,528 | 41,216 | 41,916 | 42,628 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 |
| 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 |
| 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 |
| 12,332 | 12,944 | 13,556 | 14,168 | 14,780 | 15,392 | 16,004 | 16,616 | 17,228 | 17,840 | 18,452 | 19,064 | 19,676 | 20,288 | 20,900 | 21,512 | 22,124 | 22,736 | 23,348 | 23,960 | 24,572 | 25,184 | 25,796 | 26,408 | 27,020 | 27,632 | 28,244 | 28,856 | 29,468 | 30,080 |
| 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14,516 | 14,766 | 15,036 | 15,277 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 |
| 11,065 | 11,255 | 11,448 | 11,646 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 |
| 3,451 | 3,511 | 3,588 | 3,631 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 |
| 1,162 | 1,241 | 1,328 | 1,404 | 1,498 | 1,560 | 1,622 | 1,684 | 1,746 | 1,808 | 1,870 | 1,933 | 1,995 | 2,057 | 2,119 | 2,181 | 2,243 | 2,305 | 2,367 | 2,429 | 2,491 | 2,553 | 2,615 | 2,677 | 2,739 | 2,801 | 2,863 | 2,925 | 2,987 | 3,049 |
| 10,039 | 9,883 | 9,726 | 9,437 | 9,275 | 8,854 | 8,854 | 8,854 | 8,854 | 8,854 | 8,854 | | | | | | | | | | | | | | | | | | | |
| 1,235 | 1,216 | 1,197 | 1,161 | 1,141 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | | | | | | | | | | | | | | | | | | | |
| 1,235 | 1,216 | 1,197 | 1,161 | 1,141 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | | | | | | | | | | | | | | | | | | | |

## Calculation of Developer Charges using the NPV of Annual Charges Method

**Hastings Council Sewerage**

**Based on Input Reduction Amounts of $920 /ET (3rd iteration)**

### Year

| Year No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 |

### Developer Charges

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Year 1 | 2003/04 | | | | | | | | | | | | | | | | | | | |
| Base Year | 2003/04 | | | | | | | | | | | | | | | | | | | |
| Average Capital Charges per ET (2003/04$) | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| Inflation from Base year to Year 1 (%) | 0.00% | | | | | | | | | | | | | | | | | | | |
| Capital Charges (2003/04$) | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 |
| **Input Reduction Amounts (2003/04$)** | **920** | **920** | **920** | **920** | **920** | **1,001** | **1,010** | **1,057** | **1,087** | **1,096** | **1,101** | **1,114** | **1,124** | **1,133** | **1,150** | **1,159** | **1,168** | **1,186** | **1,194** | **1,212** |
| Developer Charge per ET (2003/04$) | 4,930 | 4,930 | 4,930 | 4,930 | 4,930 | 4,850 | 4,840 | 4,790 | 4,760 | 4,750 | 4,750 | 4,740 | 4,730 | 4,720 | 4,700 | 4,690 | 4,680 | 4,660 | 4,660 | 4,640 |
| Developer Charges per assessment - Residential (2003/04$) | 4,930 | 4,930 | 4,930 | 4,930 | 4,930 | 4,850 | 4,840 | 4,790 | 4,760 | 4,750 | 4,750 | 4,740 | 4,730 | 4,720 | 4,700 | 4,690 | 4,680 | 4,660 | 4,660 | 4,640 |
| Developer Charges per assessment - Non-Residential (2003/04$) | 4,930 | 4,930 | 4,930 | 4,930 | 4,930 | 4,850 | 4,840 | 4,790 | 4,760 | 4,750 | 4,750 | 4,740 | 4,730 | 4,720 | 4,700 | 4,690 | 4,680 | 4,660 | 4,660 | 4,640 |

### Assessments & ETs

| | 2002/03 | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Residential Assessments at year end | 22,584 | 23,149 | 23,705 | 24,274 | 24,857 | 25,429 | 26,014 | 26,586 | 27,171 | 27,769 | 28,352 | 28,947 | 29,526 | 30,117 | 30,689 | 31,272 | 31,866 | 32,440 | 33,024 | 33,585 | 34,156 |
| Non Residential Assessments at year end | 1,637 | 1,678 | 1,718 | 1,759 | 1,801 | 1,842 | 1,884 | 1,925 | 1,967 | 2,010 | 2,052 | 2,095 | 2,137 | 2,180 | 2,221 | 2,263 | 2,306 | 2,348 | 2,390 | 2,431 | 2,472 |
| Backlog Assessments at year end | - | - | 25 | 142 | 195 | 325 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Assessments at year end | 24,221 | 24,827 | 25,448 | 26,175 | 26,853 | 27,596 | 27,898 | 28,511 | 29,138 | 29,779 | 30,404 | 31,042 | 31,663 | 32,297 | 32,910 | 33,535 | 34,172 | 34,788 | 35,414 | 36,016 | 36,628 |

| | |
|---|---|
| ET per Residential Assessment | 1 |
| ET per Non Residential Assessment | 1 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total ETs | 24,221 | 24,827 | 25,448 | 26,175 | 26,853 | 27,596 | 27,898 | 28,511 | 29,138 | 29,779 | 30,404 | 31,042 | 31,663 | 32,297 | 32,910 | 33,535 | 34,172 | 34,788 | 35,414 | 36,016 | 36,628 |
| New ETs per year (excluding backlog) | - | 606 | 596 | 585 | 483 | 418 | 302 | 613 | 627 | 641 | 625 | 638 | 621 | 634 | 613 | 625 | 637 | 616 | 626 | 602 | 612 |
| Cumulative New ETs (excluding backlog) | - | 606 | 1,202 | 1,787 | 2,270 | 2,688 | 2,990 | 3,603 | 4,230 | 4,871 | 5,496 | 6,134 | 6,755 | 7,389 | 8,002 | 8,627 | 9,264 | 9,880 | 10,506 | 11,108 | 11,720 |
| **PV (new ETs excluding backlog) 30 years @ 7% pa** | - | 7,886 | 7,661 | 7,646 | 7,641 | 7,745 | 7,928 | 8,244 | 8,251 | 8,244 | 8,221 | 8,214 | 8,192 | 8,187 | 8,168 | 8,170 | 8,159 | 8,134 | 8,131 | 8,116 | 8,126 |

### Revenue and Expenditure

Rates & Charges Revenue, Trade Waste Charges, Other Sales and Charges, Pensioner Rebate Grant

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Revenue ($'000) (2003/04$) | 13,068 | 13,376 | 10,100 | 10,327 | 10,569 | 10,813 | 11,071 | 11,298 | 11,553 | 11,818 | 12,056 | 12,306 | 12,556 | 12,788 | 13,042 | 13,298 | 13,531 | 13,788 | 14,028 | 14,261 |
| OMA Expenditure ($'000) (2003/04$) | 7,031 | 7,215 | 7,411 | 7,616 | 7,826 | 8,039 | 8,468 | 8,718 | 8,900 | 9,076 | 9,256 | 9,436 | 9,615 | 9,793 | 9,974 | 10,154 | 10,333 | 10,513 | 10,694 | 10,879 |
| Revenue less OMA Expenditure ($'000) | 6,037 | 6,161 | 2,689 | 2,709 | 2,743 | 2,774 | 2,603 | 2,580 | 2,653 | 2,742 | 2,800 | 2,870 | 2,941 | 2,995 | 3,068 | 3,142 | 3,198 | 3,275 | 3,332 | 3,382 |
| Revenue less OMA Expenditure for new ETs ($'000) | 147 | 291 | 184 | 229 | 267 | 297 | 329 | 375 | 434 | 496 | 553 | 612 | 673 | 728 | 789 | 852 | 908 | 972 | 1,028 | 1,082 |
| **PV (Revenue less OMA Expenditure for new ETs) 30 years @ 7% pa ($'000)** | 8,010 | 6,719 | 5,379 | 7,536 | 7,675 | 7,931 | 8,323 | 8,725 | 8,959 | 9,014 | 9,040 | 9,128 | 9,199 | 9,256 | 9,391 | 9,455 | 9,503 | 9,641 | 9,691 | 9,648 |
| **Output (calculated) Reduction Amounts** | **1,042** | **877** | **704** | **986** | **991** | **1,001** | **1,010** | **1,057** | **1,087** | **1,096** | **1,101** | **1,114** | **1,124** | **1,133** | **1,150** | **1,159** | **1,168** | **1,186** | **1,194** | **1,212** |
| **Average Calculated Reduction for a 5 yr Period** | **920** | **920** | **920** | **920** | **920** | **1,001** | **1,010** | **1,057** | **1,087** | **1,096** | **1,101** | **1,114** | **1,124** | **1,133** | **1,150** | **1,159** | **1,168** | **1,186** | **1,194** | **1,212** |
| **% Difference Between the Input and Output** | **0%** | | | | | | | | | | | | | | | | | | | |

**Difference Less Than 2%, Calculation Complete**

**Developer Charges for the first 5 years = $4930 per ET in year 2003/04 $**

General Notes

1. Approximately three iterations of the financial planning model are normally required until the Ouput Reduction Amount for the first 5 years is within 2% of the Input Reduction Amount.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2023/24 | 2024/25 | 2025/26 | 2026/27 | 2027/28 | 2028/29 | 2029/30 | 2030/31 | 2031/32 | 2032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 | 2043/44 | 2044/45 | 2045/46 | 2046/47 | 2047/48 | 2048/49 | 2049/50 | 2050/51 | 2051/52 | 2052/53 |
| 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,850 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 | 5,846 |
| 1,235 | 1,216 | 1,197 | 1,161 | 1,141 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 |
| 4,610 | 4,630 | 4,650 | 4,690 | 4,710 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 |
| 4,610 | 4,630 | 4,650 | 4,690 | 4,710 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 |
| 4,610 | 4,630 | 4,650 | 4,690 | 4,710 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 | 4,760 |

| 2023/24 | 2024/25 | 2025/26 | 2026/27 | 2027/28 | 2028/29 | 2029/30 | 2030/31 | 2031/32 | 2032/33 | 2033/34 | 2034/35 | 2035/36 | 2036/37 | 2037/38 | 2038/39 | 2039/40 | 2040/41 | 2041/42 | 2042/43 | 2043/44 | 2044/45 | 2045/46 | 2046/47 | 2047/48 | 2048/49 | 2049/50 | 2050/51 | 2051/52 | 2052/53 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34,737 | 35,328 | 35,929 | 36,540 | 37,161 | 37,793 | 38,435 | 39,088 | 39,752 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 | 40,428 |
| 2,514 | 2,557 | 2,600 | 2,644 | 2,689 | 2,735 | 2,781 | 2,828 | 2,876 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 | 2,925 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 37,251 | 37,885 | 38,529 | 39,184 | 39,850 | 40,528 | 41,216 | 41,916 | 42,628 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 | 43,353 |
| 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 | 36,628 |
| 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 | 612 |
| 12,332 | 12,944 | 13,556 | 14,168 | 14,780 | 15,392 | 16,004 | 16,616 | 17,228 | 17,840 | 18,452 | 19,064 | 19,676 | 20,288 | 20,900 | 21,512 | 22,124 | 22,736 | 23,348 | 23,960 | 24,572 | 25,184 | 25,796 | 26,408 | 27,020 | 27,632 | 28,244 | 28,856 | 29,468 | 30,080 |
| 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,126 | 8,128 | 8,126 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14,516 | 14,766 | 15,036 | 15,277 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 | 15,561 |
| 11,065 | 11,255 | 11,446 | 11,646 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 | 11,848 |
| 3,451 | 3,511 | 3,588 | 3,831 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 | 3,713 |
| 1,182 | 1,241 | 1,328 | 1,404 | 1,498 | 1,560 | 1,622 | 1,684 | 1,746 | 1,808 | 1,870 | 1,933 | 1,995 | 2,057 | 2,119 | 2,181 | 2,243 | 2,305 | 2,367 | 2,429 | 2,491 | 2,553 | 2,615 | 2,677 | 2,739 | 2,801 | 2,863 | 2,925 | 2,987 | 3,049 |
| 10,039 | 9,883 | 9,726 | 9,437 | 9,275 | 8,854 | 8,854 | 8,854 | 8,854 | 8,854 | 8,854 | | | | | | | | | | | | | | | | | | | |
| 1,235 | 1,216 | 1,197 | 1,161 | 1,141 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | | | | | | | | | | | | | | | | | | | |
| 1,235 | 1,216 | 1,197 | 1,161 | 1,141 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | 1,090 | | | | | | | | | | | | | | | | | | | |