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Calculating open space contributions

DCP approach to calculating open space contributions

- 2020 Monash population = 200,148
- 2030 Monash population = 225,133
- Increment 2020-2030 = 24,985
- Parkland needed by the increment in population = $24,985 \times 30 = 74.96$ ha
- Increment as % of 2030 population = $24,985/225,133 = 11.1\%$
- Increment in population would, on average, represent 11.1% of the usage of the 74.96 ha increase in needed parkland ($74.96 \times 11.1\% = 8.31$ hectares would be provided by new development)
- This equates to 3.32 square metres per capita (8.31 ha /24,985 residents)

Inclusionary approach to calculating open space contributions

- 2020 Monash population = 200,148
- 2030 Monash population = 225,133
- Increment 2020-2030 = 24,985
- At occupancy rate of 2.2 this equates to 11,377 dwellings
- At an average density of 70/ha this requires 162.52 ha
- A contribution rate of 10% would generate 16.25 ha of parkland
- This equates to 6.5 m² per capita (16.25/24,985)

