

6.4.2 Water reuse measurement– UniMAP hiring three contractors for landscape maintenance work in different zone. Watering works are held twice daily for common newly planted species. Approximately 1 tank of 2271L water from retention pond is needed for each of contractor per zone. The calculation breakdown of water usage for watering is as below:

1. Water needed per contractor per day: 2271 L
2. Watering frequency: 2 times daily
3. Days of work per month: 25 days
4. Months of work per year: 12 months
5. Number of contractors : 3



$$\begin{aligned} \text{Water usage for watering per year} &= 2271\text{L water} \times 2 \text{ times daily} \times 25 \text{ days of work} \times 12\text{months} \times 3 \text{ contract/zone} \\ &= 4,087,800 \text{ L} \end{aligned}$$