



**Wastewater & Rainwater Specialists**

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## Taylex ABS Energy Consumption

For a regular household of 6 people, it is assumed that the average flow through the domestic Taylex ABS Aerated Wastewater Treatment System (AWTS) is approximately 900L per day. This gives a flow of 150L per person / per day.

It has been assumed that the Davey D25A Irrigation Pump has an average flow rate of 20L per minute at a head of 9m.

With 6 adults living in a house, the recommended run time for a Nitto 80L Blower is 60 minutes in the hour.

Electrical Equipment	Watts	Daily Operations (Hours)	KWh/year
Nitto 80L/min Blower	86	24	753.36
Davey D25A Irrigation Pump	250	1	81.25
Taylex ABS Control Panel	1	24	8.76
<b>Total per year</b>			<b>853.37</b>

- We have calculated **power costs** as 853.37 KWh /year x \$0.27 per/KWh = **\$230.40 per year**. (being 63c per day)
- Lower Occupancy Mode (if suitable) - **\$153.60 per year** (being 42c per day)
- The operating costs will depend on the electricity tariffs per KWh.
- The **servicing costs** for a domestic Taylex ABS will be from **\$260 per year** for 4 quarterly services – this cost will depend on the State and Locality of the system install.
- Where possible a Taylex ABS will be set to a **Low Occupancy Mode or Holiday Mode**. This will allow the Nitto 80L Blower to operate at either 20, 30 or 40 minutes per hour and provide extra power savings. Naturally, if this mode is in place it would be assumed that less water will be moving through the system, therefore, the Davey D25 Irrigation Pump would not be triggered to operate as often and this will also provide even more power savings.

Management - Taylex Tanks.