

Our Ref: PR/R/15-15

24<sup>th</sup> June 2025



Mr J Cape  
SmartDrop Advisory Chair  
The Water Conservancy  
Level 6, 75 Elisabeth St  
SYDNEY NSW 2000

7 Orchard Avenue Armadale  
Western Australia 6112  
Locked Bag 2 Armadale  
Western Australia 6992  
T: (08) 9394 5000  
F: (08) 9394 5184  
info@armadale.wa.gov.au  
www.armadale.wa.gov.au  
ABN: 798 6326 9538

RE: CONFIRMATION OF WATER SAVINGS AT GWYNNE PARK, WA WITH PW400  
PRESIDENT WATER VORTEX GENERATOR

Dear Jermey,

I am writing to provide you with the confirmed water savings achieved at Gwynne Park following the installation of the PW400 President Water Vortex Generator on 6 March 2024. This letter outlines the significant improvements in water usage efficiency, supported by consistent weather patterns and detailed usage data.

To ensure the accuracy of our findings, we reviewed seasonal rainfall data from the Jandakot weather station, which remained stable over the past three years, averaging 621 mm annually, with individual years recording 654 mm, 594 mm, and 615 mm respectively, for the periods from 6 March to 5 March in each irrigation season.

Below is a summary of the annual metered water usage from four bores, covering the irrigation years from 1 July to 30 June, with a licensed limit of 62,000 kL per year:

Season	kL Used	% of License Used
2022/23	81,702	131.72%
2023/24*	80,244	129.43%
2024/25	71,983	116.10%

\*Note: For the 2023/24 season, the device was installed on 6 March 2024, leading to an immediate 20% reduction in watering from March to June. Without the device, usage for this period would have been 49,070 kL, compared to the actual 39,472 kL, resulting in savings of 9,598 kL for those months. This adjustment means the hypothetical total for 2023/24 without the device would have been 89,842 kL, or 144.90% of the license.

For the 2024/25 season, actual usage was 71,983 kL, reflecting savings of 8,261 kL compared to the 2023/24 actual usage, or approximately 80.02% of the hypothetical 2023/24 usage without the device. This demonstrates a significant improvement in water efficiency and savings.



Additionally, the device has contributed to notable savings in fertilizers, energy costs, labor, and hardware, though these may not be directly relevant to your certification process.

Please feel free to contact me directly if you have any further questions or require additional information.

Yours sincerely,

A handwritten signature in dark ink, appearing to be 'Alex Pass', with a long horizontal flourish extending to the right.

Alex Pass  
**Supervisor Irrigation**