

Connecting a New or Existing Pool Pump to an Approved DR Aggregator; Residential Only	Activity No.
	APP4

1. ACTIVITY SPECIFIC DEFINITIONS

Pool pump means a circulating pump for use with a residential pool or spa.

Smart control device means an electrical device which meets the minimum levels of functionality to comply with AS/NZS 4755 or is otherwise approved by the Minister or their delegate

Demand Response (DR) Aggregator means an entity that commercially orchestrates electricity demand response services by aggregating electricity demand using smart control devices fitted to equipment, and exercising contractual rights to control the equipment

Approved DR Aggregator means a **DR Aggregator** approved by the Minister or their delegate

2. ACTIVITY DESCRIPTION (SUMMARY)

Connect a new or existing Pool Pump to an Approved DR Aggregator.

3. ACTIVITY ELIGIBILITY REQUIREMENTS

- (1) Any residential household in South Australia where the installed product requirements and minimum installation requirements can be met.
- (2) Activity APP4 has must not have previously been implemented for the Pool Pump.

4. INSTALLED PRODUCT REQUIREMENTS

- (1) The pool pump shall operate on single or three phase mains power.
- (2) The pool pump shall have an input rating of not less than 100W and not more than 1500W.
- (3) As a proclaimed product in South Australia, any pool pump shall meet the safety requirements of AS/NZS 60335.2.41:2004
- (4) The pool pump shall be fitted with a smart control device.
- (5) The connected Pool Pump must comply with any additional installed product requirements placed, as a condition of approval, on the Approved DR Aggregator.

5. MINIMUM INSTALLATION REQUIREMENTS

The connection of the Pool Pump must comply with the Minimum requirements of:

- (1) Additional installation requirements placed, as a condition of approval, on the Approved DR Aggregator, including but not limited to requirements for installation, maintenance, DR orchestration, contractual conditions, and consumer protection and
- (2) AS/NZS 3000 (2018) wiring regulations, with a certificate of compliance by a licenced electrician.

6. NORMALISED REPS GIGAJOULES

The normalised REPS Gigajoules achieved from undertaking this activity is equal to:

Normalised REPS Gigajoules = Productivity factor (as per table below) x number of eligible appliances x REPS Transition Factor (RTF)

ACTIVITY APP4 – PRODUCTIVITY FACTOR

Activity	Productivity Factor
Connecting a New or Existing Pool Pump to an Approved DR Aggregator	1.94

ACTIVITY APP4 – REPS TRANSITION FACTORS

Year of Installation	REPS Transition Factor
2021	4
2022	4
2023	3
2024	3
2025	2
2026 onwards	1

7. GUIDANCE NOTES (INFORMATIVE ONLY – NOT MANDATORY)

Details of the Equipment Energy Efficiency Program’s pool pump labelling scheme are available at: www.energyrating.gov.au/products-themes/other/swimming-pool-pumps/voluntary-labelling/

Productivity factors assume the pool pump remains connected to the aggregator for 8 years and that 100 per cent of maximum load will be shifted between 3pm – 1 AM on the 5 highest demand days of the year, utilising the DRM1 signal.

In approving an Approved Demand Response Aggregator, the Minister may consider requirements including but not limited to the DR Aggregator’s:

- Customer contract length, terms and conditions
- Consumer value proposition
- Demonstrated commercial capacity and capability, intent and practice to dispatch aggregated DR capacity for the duration and frequency required
- Smart control hardware, software and communications connections and operational capacity and capability for DR orchestration
- Smart control device product and installation quality and safety provisions
- Consumer protection provisions.

The Minister or their appointed delegate may approve demand response aggregators.

All demand response and VPP activities (APP4, EV1, VPP1, HC2C & WH4) are **not** mutually exclusive.

Transition factors have been applied to certain REPS activities to provide a pathway to transition the REPS toward delivery of a preferred mix of activities over the first five-year stage. Application of these factors provides a phased trajectory for retailers that addresses both the challenge of managing the downgrading of deemed gigajoules for lighting activities due to reducing additionality, as well as the pivot toward business models to deliver deeper retrofit activities and demand response activities.