

<b>Connecting a New or Existing EV Charger to an Approved DR Aggregator; Residential or Small Energy Consuming Customer (SECC) Only</b>	<b>Activity No.</b>
	<b>EV1</b>

## 1. ACTIVITY SPECIFIC DEFINITIONS

**EV Charger** means a device designed to charge an Electric Vehicles (EV's) battery. The charger must comply with AS/NZS 62196.2 (2014).

**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 the 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 EV Charger to an Approved DR Aggregator.

## 3. ACTIVITY ELIGIBILITY REQUIREMENTS

- (1) Any residential or small energy consuming customer premises in South Australia where the installed product requirements and minimum installation requirements can be met.
- (2) Activity EV1 must not have previously been implemented for the EV Charger.

## 4. INSTALLED PRODUCT REQUIREMENTS

The connected EV Charger must comply with the Minimum requirements of:

- (1) Any EV charger installed shall be fitted with a smart control device.
- (2) Any additional installed product requirements placed, as a condition of approval, on the Approved DR Aggregator.

## 5. MINIMUM INSTALLATION REQUIREMENTS

The connection of the EV Charger 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) with 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 EV1 – PRODUCTIVITY FACTOR

Activity	Productivity Factor
Connecting EV charger to DR aggregator	5.27

## ACTIVITY EV1 – REPS TRANSITION FACTORS

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

## 7. GUIDANCE NOTES (INFORMATIVE ONLY – NOT MANDATORY)

Productivity factors assume the EV charger will remain connected to an Approved DR aggregator for on average at least 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. The DRM1 signal is utilised.

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; and
- 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.