



# Trial Tariffs 2023-24



# Contents

Electrify	3
Electrify Two Way	5
Small Business Electrify	8
Flexible Demand Large Business	10
Diversify	12

The total cumulative revenue of all sub-threshold tariffs is \$1.39 million, equivalent to 0.167% Forecast AAR and 0.164% Forecast TAR for the 2023-24 regulatory year.

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# Electrify

## Trial Tariff

### Objectives of trial

As our society works towards a decarbonised future, SA Power Networks expects to see the continued electrification of residential households. It is imperative that through this transition we establish customer behaviour that encourages maximum utilisation of the existing distribution network.

Electrify is designed for customers who predominantly or solely meet their energy needs through electricity, but have sufficient flexibility in their appliances, e.g. electric vehicles (EV), heat pumps, energy storage etc, to optimise their usage outside peak demand periods. These customers are expected to have an above average energy consumption, so the tariff is structured to provide more opportunities throughout the day to access lower cost electricity outside of distribution network peak periods.

The trial tariff Electrify provides stronger pricing signals than Residential Time of Use and a simpler structure than Residential Prosumer with no demand component.

This trial is an evolution from 2022-23. Electrify in 2023-24 has an extended Solar Sponge window of 6 hours, 10:00am – 4:00pm. This reduces the Shoulder time windows to 14 hours.

The trial will provide insight into customer behaviour to shift electricity consumption outside of peak distribution network times to access cheaper distribution network pricing.

### Retailer engagement

SA Power Networks has consulted with a number of retailers of varying market share. This consultation has led to Electrify in its current form. Those retailers who currently have residential customers on Electrify will be notified of the change in tariff structure ahead of its commencement on 1 July 2023.

### Consumer engagement

SA Power Networks has consulted with a number of key external stakeholders in the development of Electrify. This consultation has led to Electrify in its current form.

External stakeholders comprise of the SA Power Networks' Reset Tariff Working Group which include representatives from the Electric Vehicle Council, SA Government, solar industry, and business and social service advocates.

### Expected consumer and/or retailer response

Through its price signals and structure, Electrify aims to encourage residential customers to manage their electricity consumption at peak times, when the distribution network is under its greatest constraint. The tariff also creates large windows of time where flexible usage can be accessed, e.g. storage of energy in a battery, charging an EV, heating/cooling a home or hot water. This tariff may also reward those homes with efficient insulation that enables lower peak energy usage for heating and cooling.

# Proposed tariff (structure and pricing)

Local time	
<b>Peak:</b>	5pm – 9pm
<b>Shoulder:</b>	All other times
<b>Solar Sponge:</b>	10am – 4pm

	Indicative only at 2022-23 NUoS prices	Price vs Residential Single Rate
<b>Supply – \$/Day</b>	\$0.5206	
<b>Peak – \$/kWh</b>	\$0.2957	220%
<b>Shoulder – \$/kWh</b>	\$0.0874	65%
<b>Solar Sponge – \$/kWh</b>	\$0.0269	20%

<b>Forecast revenue</b>	\$0.2 million, equivalent to 0.023% AAR for the upcoming regulatory year.
<b>Trial start date</b>	1 July 2023
<b>Duration of trial</b>	1 July 2023 to 30 June 2025
<b>Forecast volumes</b>	500 Customers
<b>Location of trial</b>	Available to any residential customer in South Australia with an interval meter

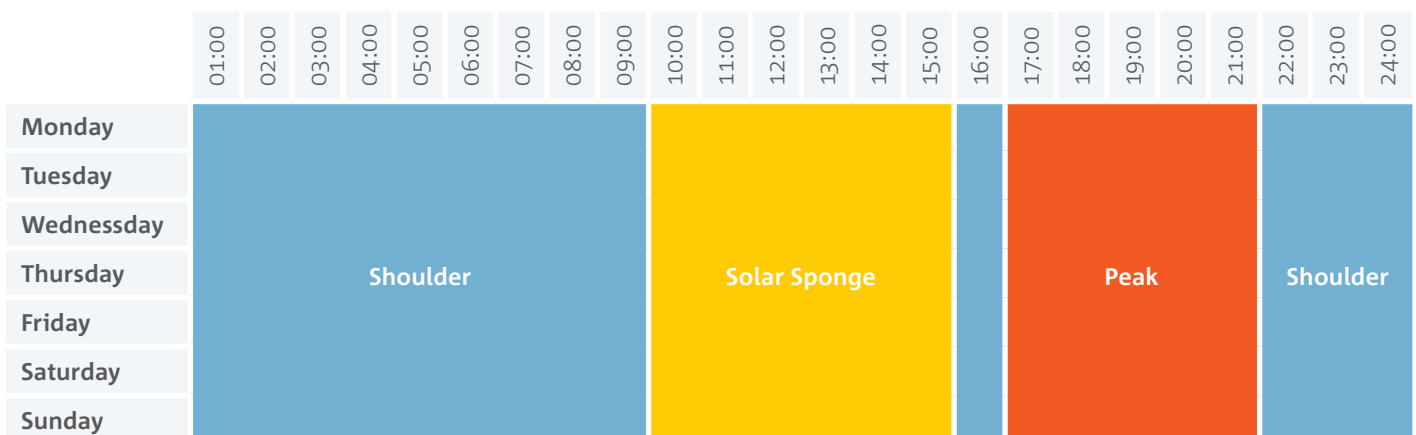
## Links to TSS strategy

Learnings from this trial tariff will help inform the design and pricing of the tariff which we intend to offer in the next regulatory period as part of the Tariff Structure Statement.

## Potential changes and triggers

The details of the trial, including forecast revenues, will be reviewed before each subsequent year in February. Updates to the trial tariff will be advised through the trial tariff notification process with the AER.

## Energy usage all year



# Electrify Two Way

## Trial Tariff

### Objectives of trial

As our society works towards a decarbonised future, SA Power Networks expects to see the continued electrification of residential households. It is imperative that through this transition we establish customer behaviour that encourages maximum utilisation of the existing distribution network.

Electrify Two Way is designed for customers who predominantly or solely meet their energy needs through electricity, but have sufficient flexibility in their appliances, e.g. electric vehicles (EV), heat pumps, energy storage etc, to optimise their usage outside peak demand periods. These customers are expected to have an above average energy consumption, so the tariff is structured to provide more opportunities throughout the day to access lower cost electricity outside of distribution network peak periods.

In addition to a consumption charge, this trial tariff also has export charge and credit components, making it a two way tariff for those customers who have distributed energy resources, such as solar PV and batteries. The pricing signals and structure are designed to encourage self consumption rather than export during the Solar Sponge window of 10:00am – 4:00pm. In the summer peak of November to March, 5:00pm – 9:00pm, customers are encouraged to export into the distribution network to access a credit.

The trial will provide insight into customer behaviour to shift electricity consumption outside of peak distribution network times to access cheaper distribution network pricing. It will also identify any administrative issues in the billing process for SA Power Networks and retailers.

### Retailer engagement

SA Power Networks has consulted with a number of retailers of varying market share. This consultation has led to Electrify Two Way in its current form.

### Consumer engagement

SA Power Networks has consulted with a number of key external stakeholders in the development of Electrify Two Way. This consultation has led to Electrify Two Way in its current form.

External stakeholders comprise of the SA Power Networks' Reset Tariff Working Group which include representatives from the Electric Vehicle Council, SA Government, solar industry, and business and social service advocates.

### Expected consumer and/or retailer response

Through its price signals and structure, Electrify Two Way aims to encourage residential customers to manage their electricity consumption and export at peak times, when the distribution network is under its greatest constraint. The tariff also creates large windows of time where flexible usage can be accessed, e.g. storage of energy in a battery, charging an EV, heating a home or hot water. This tariff may also reward those homes with efficient insulation that enables lower peak energy usage for heating and cooling.

# Proposed tariff (structure and pricing)

Local time	
<b>Peak (consumption):</b>	5pm – 9pm
<b>Shoulder:</b>	All other times
<b>Solar Sponge:</b>	10am – 4pm
<b>Peak (Export):</b>	5pm – 9pm Nov - Mar

	Indicative only at 2022-23 NUoS prices	Price vs Residential Single Rate
<b>Supply – \$/Day</b>	\$0.5206	
<b>Peak (consumption) – \$/kWh</b>	\$0.2957	220%
<b>Peak (export credit) – \$/kWh</b>	(\$0.1450)	
<b>Shoulder – \$/kWh</b>	\$0.0874	65%
<b>Solar Sponge (consumption) – \$/kWh</b>	\$0.0269	20%
<b>Solar Sponge (export charge) – \$/kWh</b>	\$0.0100	

Customers can export up to 9kWh per day between 10:00am – 4:00pm free of charge. If exports between 10:00am – 4:00pm are less than 9kWh, the remainder of the free allowance rolls over to the next day, within a single billing period. A billing period of 30 days would include 270kWh of free export between 10:00am – 4:00pm. Remaining export between 10am - 4pm incurs a charge.

## Links to TSS strategy

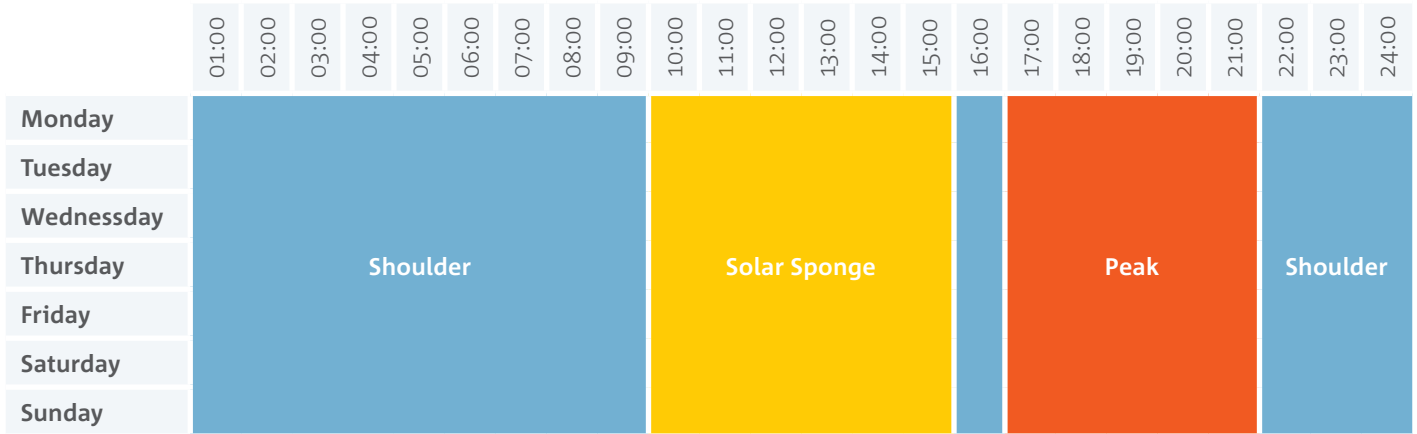
Learnings from this trial tariff will help inform the design and pricing of the tariff which we intend to offer in the next regulatory period as part of the Tariff Structure Statement.

<b>Forecast revenue</b>	\$0.03 million, equivalent to 0.003% AAR for the upcoming regulatory year.
<b>Trial start date</b>	1 July 2023
<b>Duration of trial</b>	1 July 2023 to 30 June 2025
<b>Forecast volumes</b>	100 Customers
<b>Location of trial</b>	Available to any residential customer in South Australia with an interval meter and distributed energy resources, including solar PV and batteries.

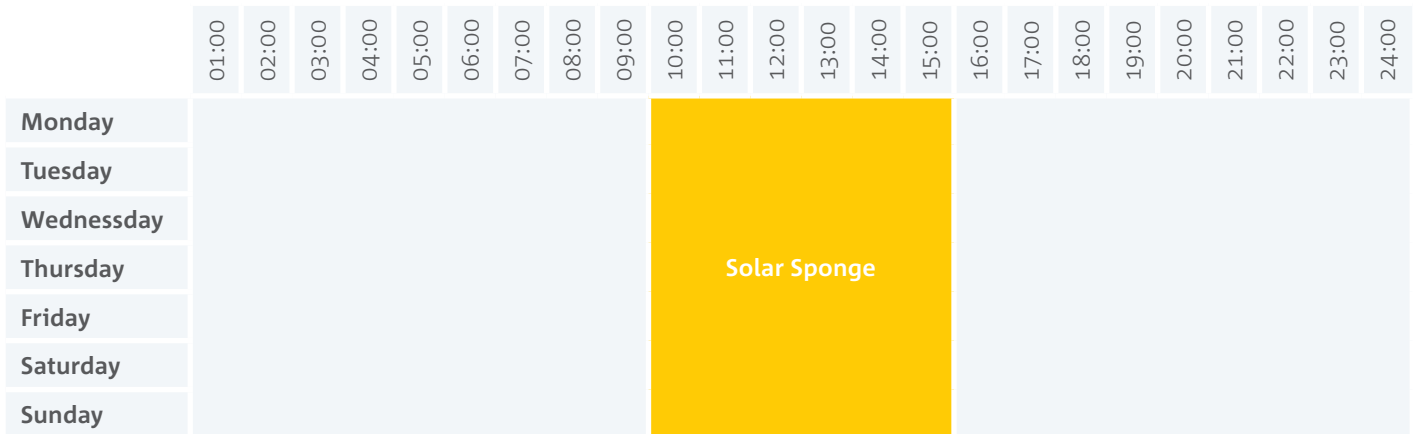
## Potential changes and triggers

The details of the trial, including forecast revenues, will be reviewed before each subsequent year in February. Updates to the trial tariff will be advised through the trial tariff notification process with the AER.

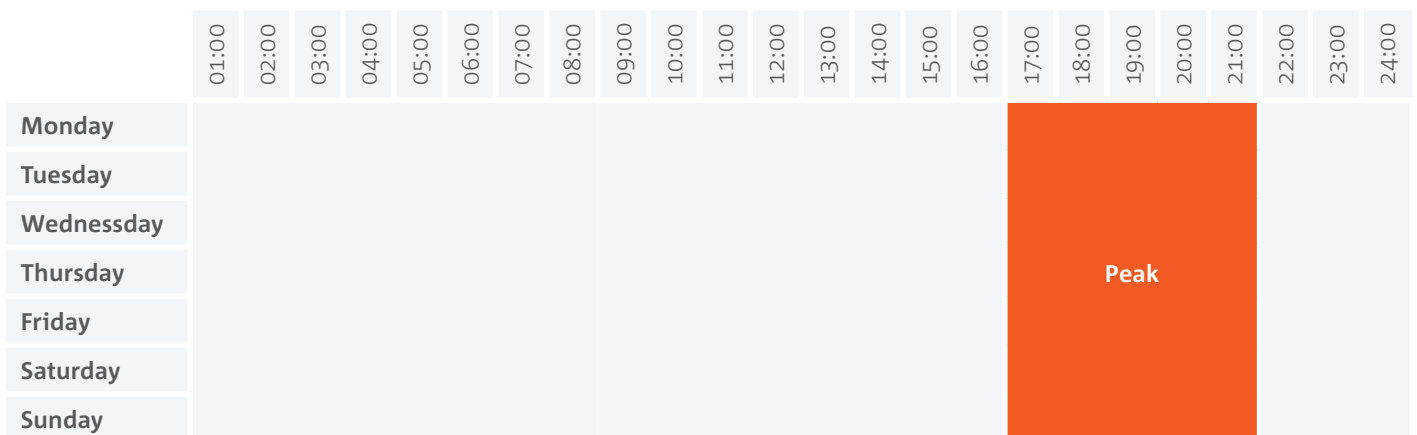
# Energy usage all year



# Export charge



# Export credit - November to March



# Small Business Electrify

## Trial Tariff

### Objectives of trial

The trial tariff Small Business Electrify is designed for customers who have sufficient flexibility to concentrate their electricity consumption to the middle of the day and/or off peak times overnight and on weekends to utilise the abundance of solar energy during the day.

The trial will provide insight into customer behaviour and their ability to shift electricity consumption outside of peak distribution network times to access cheaper distribution network pricing.

### Retailer engagement

SA Power Networks has consulted with a number of retailers of varying market share. This consultation has led to Small Business Electrify in its current form.

### Consumer engagement

SA Power Networks developed this trial tariff as a direct result of consumer feedback via the SA Power Networks' Reset Tariff Working Group which includes representatives from the Electric Vehicle Council, SA Government, solar industry, and business and social service advocates.

### Expected consumer and/or retailer response

Through its price signals and structure, Small Business Electrify aims to encourage small business customers to avoid peak times when the distribution network is under its greatest constraint and shift electricity consumption to the middle of the day and/or off peak times overnight and on weekends to utilise the abundance of solar energy during the day.

The tariff allows those small businesses who are unable to access distributed energy resources, namely solar PV, due to physical barriers such as no suitable rooftop space or they lease their premises, to access cheaper distribution network pricing.



# Proposed tariff (structure and pricing)

Local time		
<b>Peak:</b>	5pm – 9pm	
<b>Shoulder:</b>	Shoulder: 7am – 10am and 4pm – 5pm Work Days	
<b>Off Peak:</b>	All other times	
	Indicative only at 2022-23 prices	Price vs Business Single Rate
<b>Supply – \$/Day</b>	\$0.6164	-
<b>Peak – \$/kWh</b>	\$0.2861	190%
<b>Shoulder – \$/kWh</b>	\$0.1475	98%
<b>Off Peak – \$/kWh</b>	\$0.0843	56%

## Links to TSS strategy

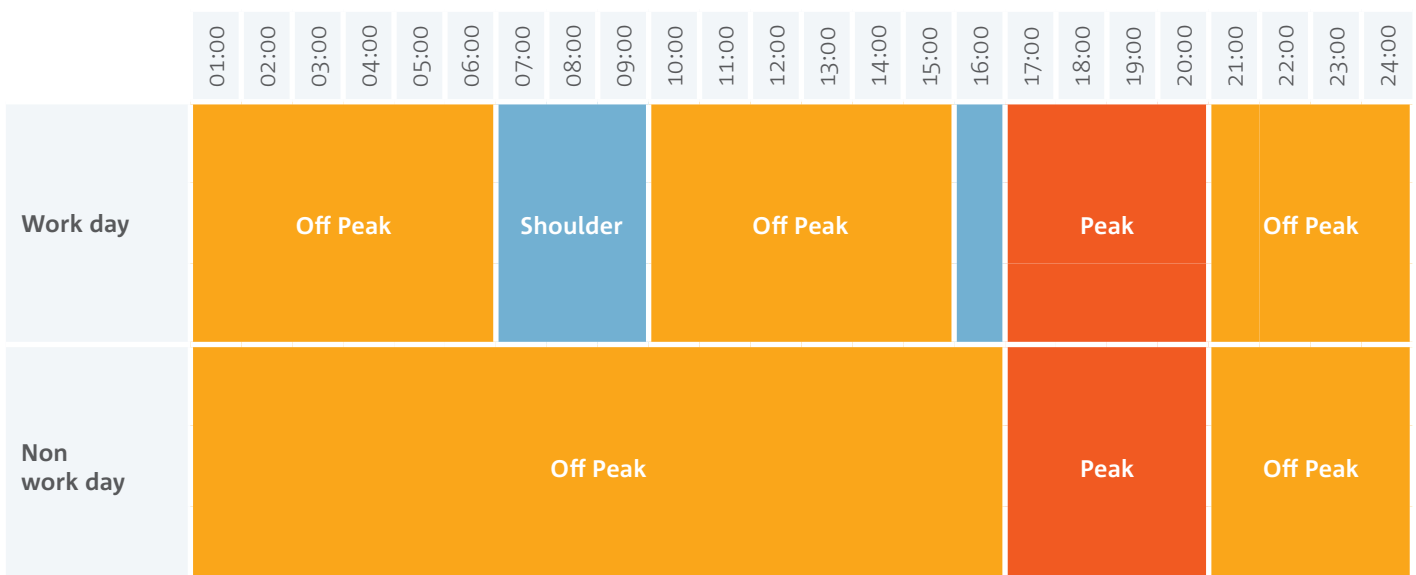
Learnings from this trial tariff will help inform the design and pricing of the tariff which we intend to offer in the next regulatory period as part of the Tariff Structure Statement.

<b>Forecast revenue</b>	\$0.9 million, equivalent to 0.108% AAR for the upcoming regulatory year.
<b>Trial start date</b>	1 July 2023
<b>Duration of trial</b>	1 July 2023 to 30 June 2025
<b>Forecast volumes</b>	500 Customers
<b>Location of trial</b>	Available to any small business customer (<160 MWh p.a.) in South Australia with an interval meter.

## Potential changes and triggers

The details of the trial, including forecast revenues, will be reviewed before each subsequent year in February. Updates to the trial tariff will be advised through the trial tariff notification process with the AER.

## Energy usage all year



# Flexible Demand Large Business

## Trial Tariff

### Objectives of trial

Rewarding flexible demand on the distribution network increases its utilisation and decreases the need for augmentation.

The proposed trial tariff Flexible Demand Large Business aims to incentivise large businesses who can be flexible with their demand. If demand can be flexible a large business will only pay 50% Anytime Demand tariff price on the flexible demand component.

The trial tariff also redefines the Peak Demand window so that utilisation of the distribution network is encouraged except on extreme heat days when the Peak Demand charge still applies.

The trial will provide insight into customer behaviour and their ability to shift electricity consumption outside of peak distribution network times to access cheaper distribution network pricing.

This trial is a continuation from 2022-23.

### Retailer engagement

The trial tariff is only available to large business and as such all network charges are typically directly passed onto the customer by the retailer. Retailers do not need to bundle these charges into a retail offer however SA Power Networks has consulted with a number of retailers of varying market share.

Many of the potential customers using this tariff will be market participants, i.e. they won't use a retailer. SA Power Networks will work in conjunction with the customer and their retailer (if applicable) to ensure the trial tariff is incorporated into the customer's retail bill correctly.

### Consumer engagement

SA Power Networks has consulted with a number of key external stakeholders in the development of Flexible Demand Large Business. This consultation has led to Flexible Demand Large Business in its current form.

External stakeholders comprise of the SA Power Networks' Reset Tariff Working Group which include representatives from the Electric Vehicle Council, SA Government, solar industry, and business and social service advocates.

### Expected consumer and/or retailer response

Through its price signals and structure, Flexible Demand Large Business aims to encourage large businesses to manage their electricity consumption at peak times, when the distribution network is under its greatest constraint.

### Proposed tariff (structure and pricing)

The structure of the trial tariff will mimic existing SA Power Networks tariff structures for large business:

- Large Business Annual Demand
- HV Business Annual Demand
- Zone Substation kVA
- Sub-transmission kVA
- Large Business Generation
- HV Business Generation

For the component of Anytime Demand which the large business elects to be flexible, the Anytime

Demand tariff price will be 50% of the published tariff in 2023–24.

Peak Demand will only apply during November to March between 11:00am – 5:00pm (CBD) or 5:00pm–9:00pm (Rest of SA) local time, on days when the following days temperature forecast at West Tce Adelaide at 4:00pm is 38 degrees or above.

Demand values will be agreed with the customer.

The usage component of the tariffs remains unchanged.

## Links to TSS strategy

Learnings from this trial tariff will help inform the design and pricing of the tariff which we intend to offer in the next regulatory period as part of the Tariff Structure Statement.

<b>Forecast revenue</b>	\$0.33 million, equivalent to 0.04% AAR for the upcoming regulatory year.
<b>Trial start date</b>	1 July 2022
<b>Duration of trial</b>	1 July 2022 to 30 June 2025
<b>Forecast volumes</b>	10 Customers
<b>Location of trial</b>	State-wide

## Potential changes and triggers

The details of the trial, including forecast revenues, will be reviewed in collaboration with affected retailers before each subsequent year in February. Updates to the tariff trial will be advised through the trial tariff notification process with the AER.

# Diversify

## Trial Tariff

### Objectives of trial

The trial tariff Diversify offers a daily rebate to incentivise residential customers with an Electric Vehicle (EV) to allow SA Power Networks to regulate the charging rate of their smart EV chargers on the rare occasions when the distribution network has limited capacity. This will enable SA Power Networks to increase the diversity of EV charging load, thereby avoiding inefficient distribution network investment.

The trial will also provide insight into customer sentiment towards dynamic EV charging, as well as guidance for future EV technical standards. This trial is a continuation from 2022-23.

### Retailer engagement

SA Power Networks has consulted with a number of retailers of varying market share. This consultation will continue as the technical specifications and processes are refined to ensure that retailers are able to develop and successfully implement a retail offer for customers.

### Consumer engagement

SA Power Networks has consulted with a number of key external stakeholders in the development of the Diversify rebate. This consultation has led to the Diversify rebate in its current form.

External stakeholders comprise of the SA Power Networks' Reset Tariff Working Group and DER Integration Working Group. These groups include representatives from the Electric Vehicle Council, SA Government, solar industry, as well as business and social service advocates.

### Expected consumer and/or retailer response

No consumer response is expected as retailers will deliver demand response on their behalf and provide a retail offer to the customer.

# Proposed tariff (structure and pricing)

Indicative only at 2022-23 NUoS prices

<b>\$/Day Rebate</b>	(\$0.33)
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Accessible to those residential customers who allow SA Power Networks to occasionally limit their rate of EV charging through a smart EV charger. The rebate is independent of the meter type and residential tariff.

The rebate is only available to retailers that have engaged with SA Power Networks and who have agreed to comply with SA Power Networks' technical specifications.

## Links to TSS strategy

Learnings from this trial tariff will help inform the design of the rebate pricing which we intend to offer in the next regulatory period as part of the Tariff Structure Statement.

<b>Forecast revenue</b>	\$0.06 million, equivalent to 0.007% AAR for the upcoming regulatory year.
<b>Trial start date</b>	1 July 2022
<b>Duration of trial</b>	1 July 2022 to 30 June 2025
<b>Forecast volumes</b>	500 Customers
<b>Location of trial</b>	Available to any residential customer in South Australia.

## Potential changes and triggers

The details of the trial, including forecast revenues, will be reviewed in collaboration with affected retailers before each subsequent year in February. Updates to the trial tariff will be advised through the trial tariff notification process with the AER.

