	7. DEMAND MANAGEMENT INCENTIVE ALLOWANCE MECHANISM		
7.1	Identify each demand management eligible project (DMIAM) for which Powercor seeks approval.	 Residential demand management program – the purpose of this program is to further our understanding of the effectiveness of residential demand management as an alternative non-network solution across different customer segments Trial Tariff project – the purpose of this project is to trial new network tariffs from 1 July 2022 which could shift demand away from peak demand times to minimum demand times These projects are a combined undertaking between CitiPower and Powercor, given we operate the same systems, and the programs will benefit customers across both networks. 	
7.2	 For each demand management eligible project (DMIAM) identified in the response to paragraph 7.1: (a) explain how it complies with project criteria detailed at section 2.2.1 of the demand management innovation allowance mechanism; 	 Residential demand management program The proposed residential demand management program is intended to provide research and analysis on the effectiveness of residential demand management as an alternative non-network solution across different customer segments such as geographies, demographics and load profiles. The research will provide insights to enable us to identify the customer segments where demand response programs are expected to provide efficient alternatives to network augmentation. It will also aim to provide insights on the best approach for implementing demand response programs to enable the most effective customer response. The proposed residential demand management program is innovative because it will enable greater understanding of behavioural response across different customer segments (geographies, demographics, and load profiles). Given the diversity of customers across CitiPower & Powercor, it is critical to learn about different behavioural responses to understand where deploying demand response solutions is expected to be efficient and how to effectively design demand response programs. The trial provides the potential to reduce long term network costs by identifying where demand response is a long-term efficient solution for deferring and potentially avoiding network augmentation works. The findings will also enable us to identify the efficient design of demand response programs across customer segments. Trial Tariff project The trial tariffs are new for the network and initiated implementation in 2021-22 to commence on 1 July 2022. These tariffs were designed to encourage demand shifting: Davtime Saver tariff which is to encourage demand transfer to 10am-3pm when energy is free 	

		HV storage tariff which discourages demand from 4-9pm
		 Community battery tariff which discourages demand from 4-9pm and rewards exports from 4-
		9pm and imports from 10am-3pm
		These tariffs target subgroups of customers not previously targeted:
		 Daytime Saver targets residential customers who don't own rooftop solar
		 HV storage tariff targets HV storage which is a new technology
		 Community battery tariff targets community batteries which are a new technology
		Since the trial tariffs are designed to either reduce peak demand or increase minimum demand, they have
		the potential to reduce long term network costs
		The costs for our residential demand management program and tariff trial project are not recoverable
		under any other jurisdictional or other scheme and are not included in our forecast capital or operating
		expenditure approved for the 2021–2026 regulatory period.
7.2	(b) submit a compliance report in	1. Residential demand management program
	accordance with section 2.3 of the	The proposed residential management program is intended to provide research and analysis on the
	demand management innovation	effectiveness of residential demand management as an alternative non-network solution across different
	allowance mechanism.	customer segments such as geographies, demographics and load profiles. The research will provide
		insights to enable us to identify the customer segments where demand response programs are expected
		to provide efficient alternatives to network augmentation. It will also aim to provide insights on the best
		approach for implementing demand response programs to enable the most effective customer response.
		The proposed residential demand management program is innovative because it will enable greater
		understanding of behavioural response across different customer segments (geographies, demographics,
		and load profiles). Given the diversity of customers across CitiPower & Powercor, it is critical to learn
		about different behavioural responses to understand where deploying demand response solutions is
		expected to be efficient and how to effectively design demand response programs
		The trial provides the potential to reduce long term network costs by identifying where demand response
		is a long term efficient solution for deferring and notentially avoiding network augmentation works. The
		findings will also enable us to identify the efficient design of demand response programs across sustomer
		componts

	In a similar manner to Energy Partners Program (EPP), we targeted customers supplied by distribution substations where peak demand is predicted to exceed their maximum capacity. Eligible customers' only requirement to participate is to have a smart meter, as well as have no sensitive equipment and/or life support devices on premise.
	The program was implemented through minimal viable solution utilising existing customer notification systems and analytics tool in the business. Using analytics and data from smart meter, we were able to determine each customer's baseline consumption against similar weather days. Customers who successfully reduce their load below their baseline would receive a reward proportionate to the load reduced.
	The success of the program is measured by kW reduced per event per distribution substation, as well as program uptake and participation rate. There were 535 Powercor customers registered to the program, representing an uptake rate of 6% from total eligible customer of 9,654. Powercor dispatched 6 events and yielded a total energy reduction of 4.5 MWh. Load reduction ranged up to 15.2 kW across selected distribution substations.
	The program trial uncovered several learnings for future success. One of the key learnings was the program provided similar outcomes whether it is implemented in regional areas or metro areas, and customers with higher baselines tend to perform better than those otherwise. Further trials are required to provide data evidence on the relationship of baseline and customer demographics, including age, income level, number of people in household, and other demographic points.
	Crucially, program success requires a program construct that is strongly integrated with educational engagements to customers throughout the year. This requires capturing customer's consent to receive information from us about similar programs, tips on how to manage their costs, and other educational information. The success of the program also depends on selecting constrained assets that are forecasted to have constraint beyond one regulatory period.
	2. Trial tariff Project The trial tariffs are new for the network and initiated implementation in 2021-22 to commence on 1 July 2022. These tariffs were designed to encourage demand shifting:
	• Daytime Saver tariff which is to encourage demand transfer to 10am-3pm when energy is free

	HV storage tariff which discourages der	mand from 4-9pm		
	 Community battery tariff which discour 9nm and imports from 10am-3nm 	rages demand from 4-9	9pm and reward	s exports from 4-
	These tariffs target subgroups of customers not	t previously targeted:		
	Daytime Saver targets residential custo	mers who don't own r	ooftop solar	
	HV storage tariff targets HV storage wh Community bottom to siff targets again	lich is a new technolog	sy ana a navy taaba	
	Community battery tarm targets comm	iunity batteries which	are a new techno	ology
	Since the trial tariffs are designed to either reduted to either reduted the potential to reduce long term network cost	uce peak demand or ir s	ocrease minimun	n demand, they have
	The cost in 2021-22 relate to the design and im trial tariffs was not completed by 30 June 2022 incurred in 2022-23. Additionally, any addition will also incur implementation costs. We anticip All tariff trials are being designed to end on 30.	plementation of the tr and therefore further al trial tariffs planned pate a similar level of e June 2026.	ial tariffs. Imple implementation to be introduced expenditure on to	mentation of the costs will be from 1 July 2023 rial tariffs in 2022-23.
	Once more than a year of data becomes availab data to see if any demand response could be ob statement and regulatory proposal.	ble from customers on oserved, which will the	the trial tariffs, ven inform our tar	we will analyse the iff structure
	Cost overview			
	The costs of the (1) Residential demand manag shown below:	ement program and (2	!) Trial Tariff proj	ject for 2021-22 are
	Residential demand management program	Trial Tariff Project	Total DMIA	
	\$63,880.52	\$37,795	\$101,675.52	
	It is estimated that the total expected cost for t residential demand management program, \$1.2 commencing the development of the registration	the tariff trial project v 2M is estimated across on and event manager	vill be \$80,000 fc s CitiPower and F nent portal.	or Powercor. For the Powercor, subject to

		The costs proposed for our residential demand management program and tariff trial project are not recoverable under any other jurisdictional or other scheme and are not included in our forecast capital or operating expenditure approved for the 2021–2026 regulatory period.
		The total amount of DMIA spent for 2021-22 year by Powercor for the abovementioned projects was \$101,675.52.
7.3	Provide an overview of developments in relation to projects or programs completed in previous years of the regulatory control period, and of any results to date.	Residential demand management program and Trial Tariff project were not initiated in previous years of the regulatory control period.
7.4	Provide any other required information as specified by the demand management innovation allowance mechanism	Not applicable.