

19 November 2021

15th OERC Symposium 2021 The Challenge of New Zero by 2050

Kāinga Ora Emissions Reduction and Renewable Energy Programmes

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Renewable Energy Lead



New Zealand's biggest landlord



We own or manage more than
68,370
Properties

Value of property portfolio
\$38.8b



186,668
People who live in
our state housing

\$635m
Spent on maintenance, upgrades and improvements to our properties

New Housing

Our Pipeline of Construction Starting 2021-2024

All of New Zealand

Auckland								
\$4.2 - 4.3b		IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
indicative investment		4,700		2,300		1,600		
CONSTRUCTION STARTING				Building Type				
2021	2022	2023	2024	TOTAL	House	Walkup	Appt	
2,400	3,450	850	250	6,950	1,820	2,400	2,730	

Hamilton								
\$300-325m		IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
indicative investment		700		50		140		
CONSTRUCTION STARTING				Building Type				
2021	2022	2023	2024	TOTAL	House	Walkup	Appt	
100	200	250	175	725	689	36	-	

Rest of South Island								
\$200-225m		IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
indicative investment		494		45		49		
CONSTRUCTION STARTING				Building Type				
2021	2022	2023	2024	TOTAL	House	Walkup	Appt	
158	177	144	60	539	539	-	-	

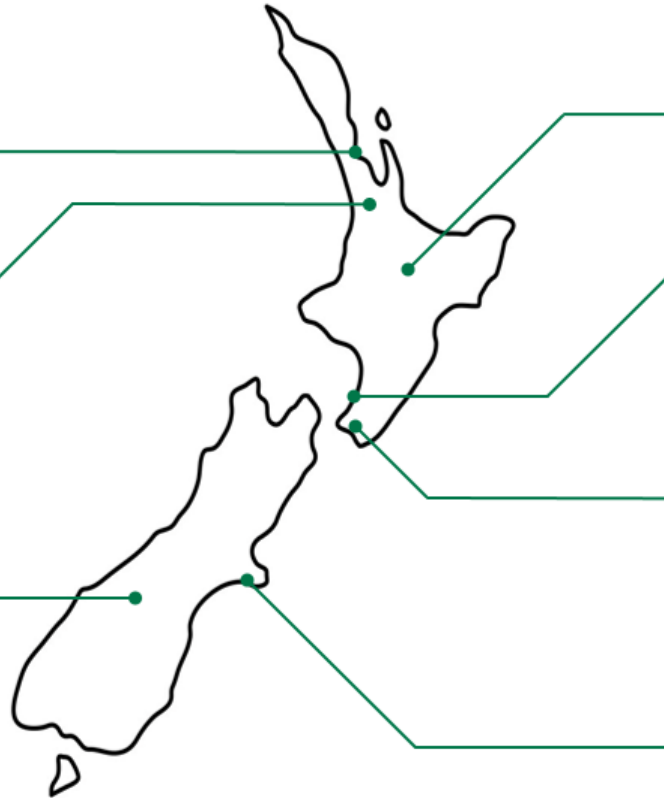
\$7.2 - 7.2b	IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
	indicative investment		10,770		3,310		- 2,620

Rest of North Island								
\$1.2 - 1.2b		IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
indicative investment		2,966		262		256		
CONSTRUCTION STARTING				Building Type				
2021	2022	2023	2024	TOTAL	House	Walkup	Appt	
837	1,278	796	315	3,226	3,122	104	-	

Porirua & Hutt Valley								
\$450-500m		IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
indicative investment		790		143		130		
CONSTRUCTION STARTING				Building Type				
2021	2022	2023	2024	TOTAL	House	Walkup	Appt	
210	310	220	190	930	746	184	-	

Wellington								
\$300-350m		IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
indicative investment		380		260		115		
CONSTRUCTION STARTING				Building Type				
2021	2022	2023	2024	TOTAL	House	Walkup	Appt	
200	350	50	40	640	315	80	245	

Christchurch								
\$350-400m		IN PLANNING		CONSENTING & PROCUREMENT		UNDER CONSTRUCTION		
indicative investment		740		250		330		
CONSTRUCTION STARTING				Building Type				
2021	2022	2023	2024	TOTAL	House	Walkup	Appt	
380	260	200	150	990	966	24	-	



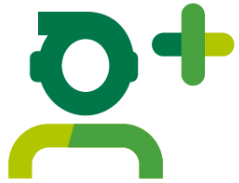
- The volumes are limited to construction planned to start from January 2021 – December 2024 in new construction and redevelopment and construction on land which we currently own or intend to procure. information correct as at 31/1/2021
- 'Indicative investment' is an indicative value of the proportion of the total development costs for our intentions in that region. This is subject to budgets being confirmed in future years, but are shown here for planning purposes

Ngā Kāinga Anamata – Homes of the Future



See <https://virtualpavilion.co/nga-kainga-anamata>

Maori and Public Housing Renewable Energy Fund



Goal 1

Renewable energy generation contributes to **affordable energy and improved wellbeing**



Goal 2

Decarbonisation is supported through integration of renewable energy resource into housing and electricity infrastructure



Goal 3

Empower tangata whenua/Māori to harness clean energy in line with kaitiakitanga and tikanga Maori



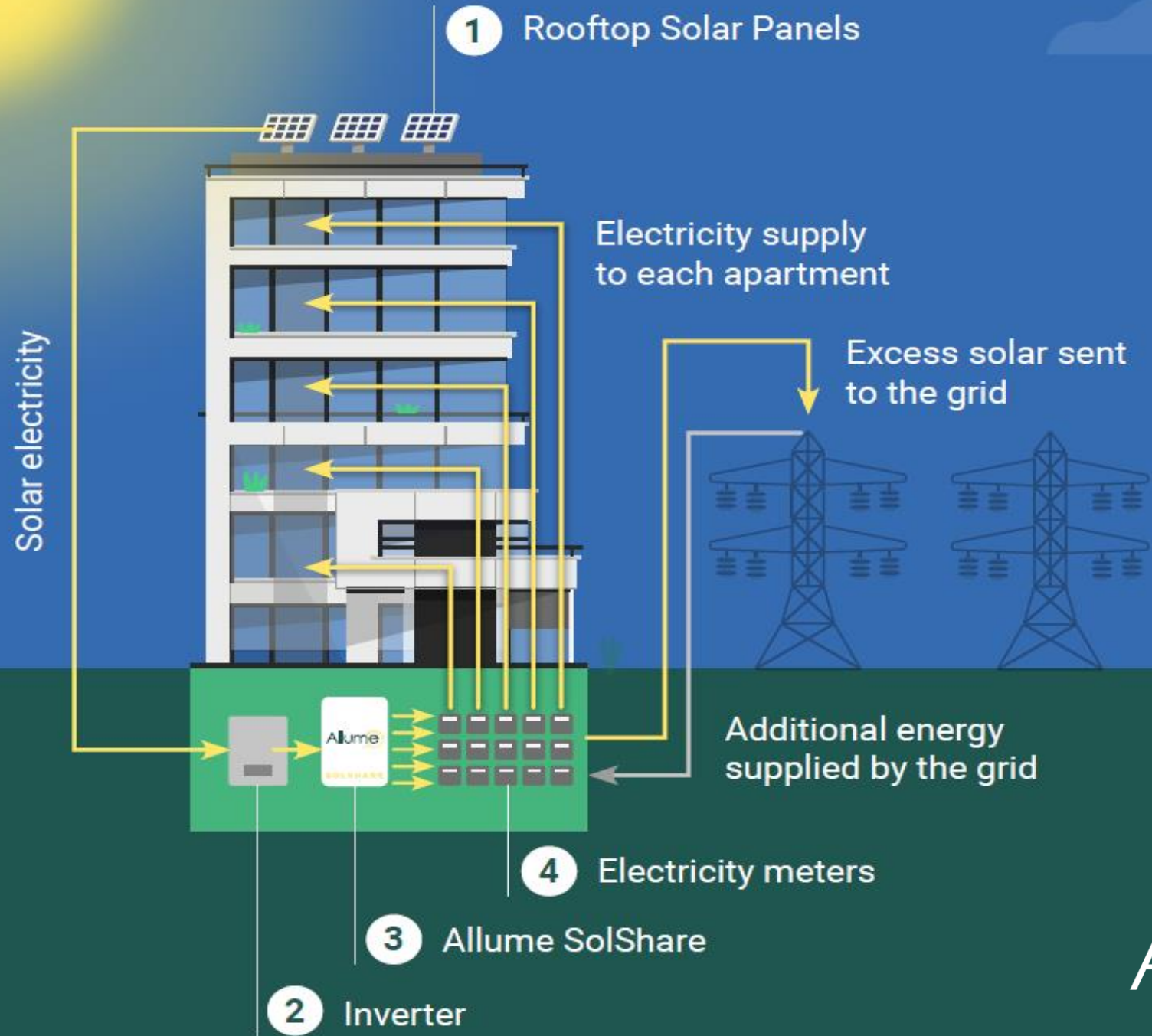
To trial renewable energy technology for public and Māori housing

Individual Homes

- new and retrofitted
- Wi-Fi issue
- Ethical Supply Chain issue



Apartment Buildings





28 homes

13 homes

23 homes

18 homes

44 homes

Thoughts on Evaluation



Should public housing roof space be leveraged as a renewable energy asset, and if so how can it be successfully deployed and managed?

Jenny van der Merwe

Decentralised Energy Lead

Sustainability Programme

Kāinga Ora – Homes and Communities

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