

Energise Ōtaki Solar Farm

ENERGISE ŌTAKI AUGUST MEETING

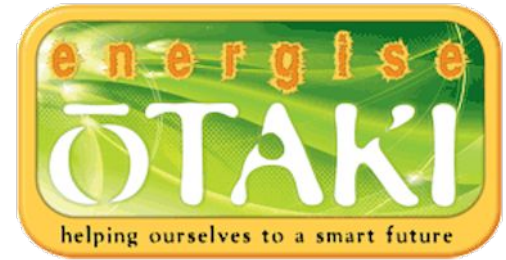
AGM & ŌTAKI SOLAR FARM
INFORMATION

WEDNESDAY
14 AUGUST, 2019

6PM - 8PM
TE WHARE NUI, ŌTAKI
COLLEGE 233 MILL ROAD

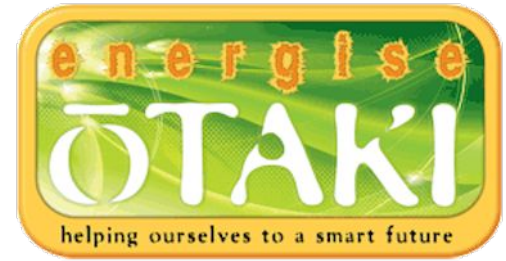


What is Energise Ōtaki?



- Incorporated society
- Charitable community organisation
- Operating since 2010
- focused on taking action in the community to address:
 - climate change issues
 - reduce energy costs, particularly for Ōtaki's low income households experiencing energy hardship,
 - creating a town which supplies its own clean energy,
 - supporting local businesses with access to clean energy,
 - educating young people about climate change and energy links, and
 - creating local job opportunities in the energy space.

Energise Ōtaki Solar Farm



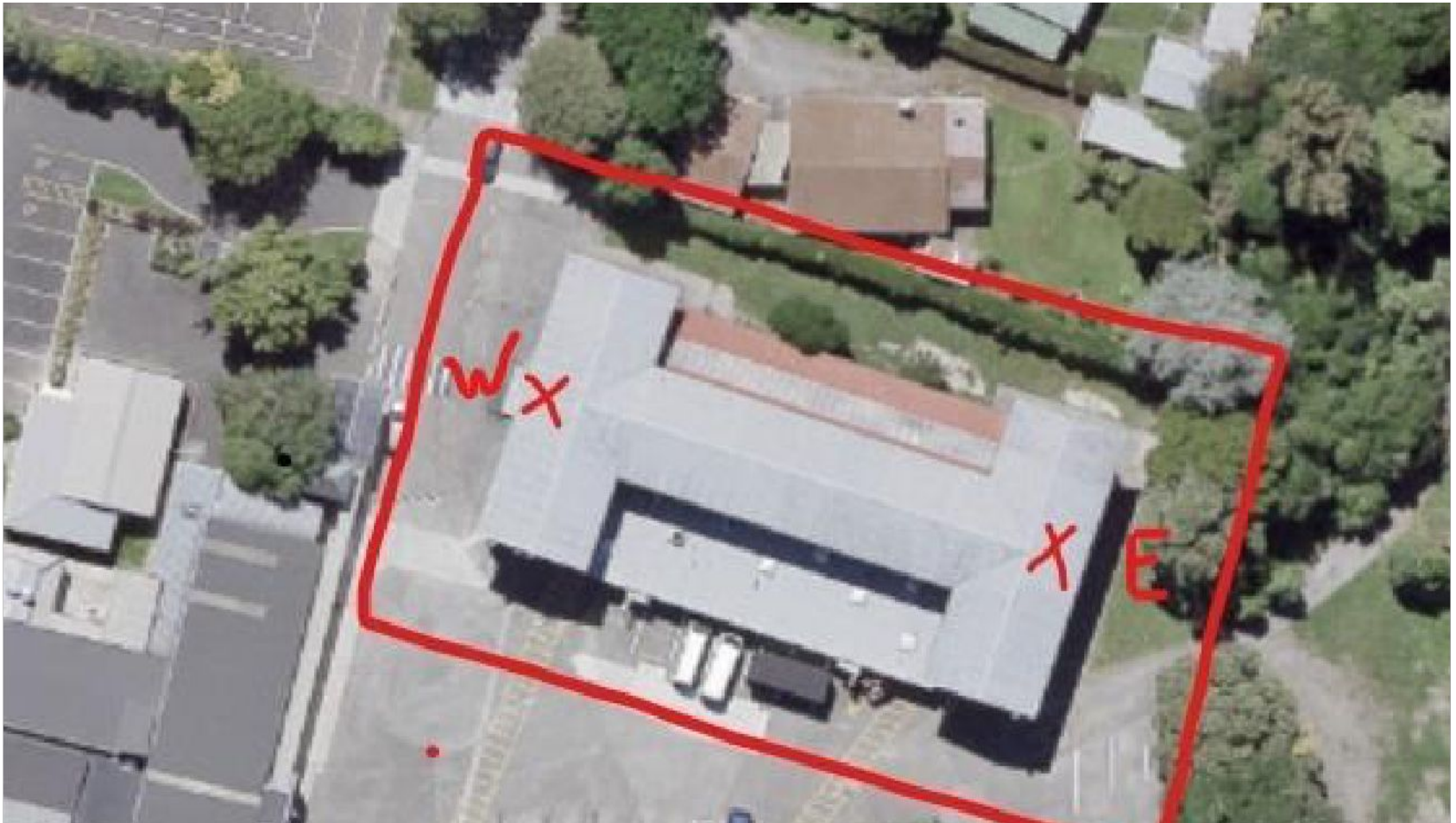
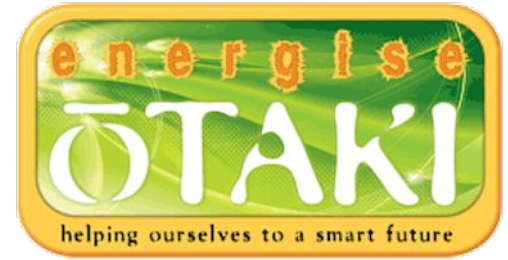
- Three years of planning for behind the meter installations
- System will be owned and managed by Energise Ōtaki
- Lease agreements with Ōtaki College and Kāpiti Coast District Council
- \$407,000 confirmed from Wellington Community Trust
- Anticipated 600 PV panels, producing over 160kWp

Energise Ōtaki Solar Farm

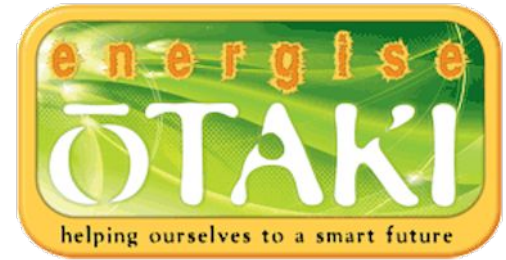


- Estimated \$29k annual revenue from the two installations
- battery storage at both sites to maximise return as a second stage
 - returns likely to be higher once installed
- Revenue for community reinvestment
- Unique for funders: on-going return on their social investment

Ōtaki College Site

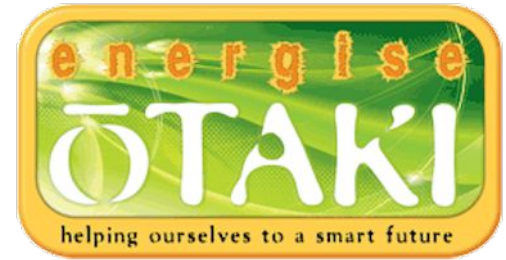


Ōtaki College Site



- North facing roof of the N Block
- Roof Mount PV System
- Solar Inverters
- Panels
- (Please note there are already existing Arrays on Administration Block funded by Pub Charity and Philip Foundation and administered by XŌtaki Alumni – approximately \$6k in scholarships / year)

Ōtaki WWTP Site



Proposed site
for solar farm

Image1: The agreed location within the Treatment Plant is shown as a white triangle

Ōtaki WWTP Site



- Site Works
- Ground Mount PV System
- Solar Inverters
- Panels



Energise Ōtaki Community Investment Fund



Energise Ōtaki's solar farm generates power from the PVC panels at the Ōtaki Wastewater Treatment Plant



The power is then sold to Council for the supply of the Ōtaki Wastewater Treatment Plant's main building



The revenue from the sale goes to Energise Ōtaki's Community Investment Fund



COMMUNITY

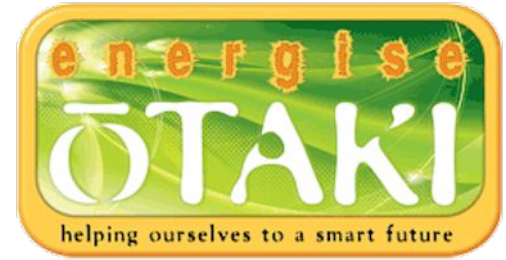
Projects



The Community Investment Fund is used for a range of community projects:

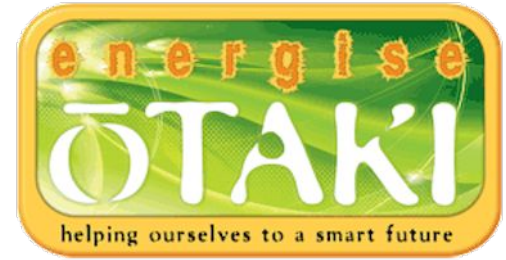
- Insulation projects for Ōtaki households
- Education and learning projects which promote sustainable development
- Local employment projects

How the Model Works



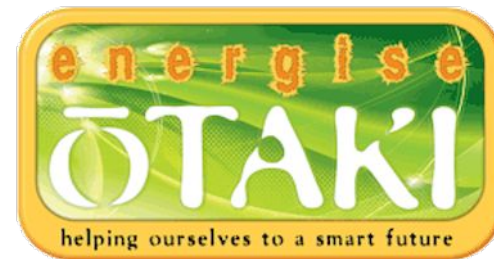
- Revenue placed in a separate Energise Ōtāki Community Investment Fund account
- Disbursed on an annual basis, according to funding criteria
- Governance of the fund via EO sub-committee
 - EO Chair and two appointees
 - Nga Hapu o Otaki will be asked if also wish to appoint a member
 - Representatives from KCDC or Community Board and Wellington Community Trust

Next Steps – Installation



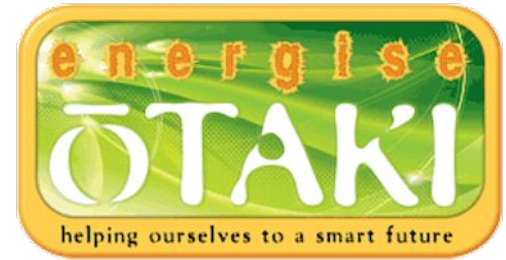
- Currently finalising:
 - Final technical designs of the project
 - Supply agreements with KCDC and College
 - Supply payment at same rate as other providers
- Finalise formal lease agreement with KCDC – agreed by Council
 - Lease agreement with College in place
- Finalise supply agreements with College and KCDC
 - Agreed in principle – at same rate as external suppliers
- Tender for design and installation – goal by Christmas
- Finalise sub-committee terms of reference and set up sub-committee

Next Steps – Strategic Goals



- Goal to have about \$100,000 into the community fund by 2023
- 5 sites with ‘behind the meter’ potential identified so far (College and WWTP first two)
- Start looking at opportunities for:
 - Battery installations for the 2 current sites – funding
 - Further sites and funders

Any Questions?



Thank you ■ ■ ■ ■ Questions please