

90814R



NEW ZEALAND QUALIFICATIONS AUTHORITY  
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD  
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

## Level 2 Education for Sustainability, 2016

### 90814 Demonstrate understanding of aspects of sustainability in different contexts

9.30 a.m. Friday 2 December 2016

Credits: Four

## RESOURCE BOOKLET

Refer to this booklet to answer the questions for Education for Sustainability 90814.

Check that this booklet has pages 2–4 in the correct order and that none of these pages is blank.

**YOU MAY KEEP THIS BOOKLET AT THE END OF THE EXAMINATION.**

## RESOURCE A: GREEN COLLAR JOBS IN THE WATER SECTOR

[Redacted] The promise of an economy that creates good jobs while [Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

grey water systems, rainwater harvesting systems, and low-flow fixtures and appliances.

Text sources (adapted):

<http://www3.epa.gov/region9/waterinfrastructure/green-collar-profiles.html>

<http://worldwater.org/wp-content/uploads/sites/22/2013/07/ww8-ch1-us-water-policy.pdf>

<http://www.stuff.co.nz/the-press/news/north-canterbury/75524111/Hanmer-Springs-runs-out-of-water>

Image source: [http://fm.cnb.com/applications/cnb.com/resources/img/editorial/2011/08/23/34451109-SS\\_Hot\\_sectors\\_and\\_majors\\_green.jpg](http://fm.cnb.com/applications/cnb.com/resources/img/editorial/2011/08/23/34451109-SS_Hot_sectors_and_majors_green.jpg)

## RESOURCE B: ELECTRIC VEHICLE REVOLUTION



Kaiwaka EV charging station.

The Northland electric car revolution sped up recently with the installation of electric fast-

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with the next charging station planned for Dargaville, Northland, in November 2016.

Text source (adapted): <http://northpower.com/news/2016/kawakawa-celebrates-opening-of-new-fast-charging-station>  
Image source: [www.stuff.co.nz](http://www.stuff.co.nz)

**RESOURCE C: BUILDING SOLUTIONS FOR WATER-STRESSED CITIES**

The SAHMRI Building, Adelaide, Australia.

Adelaide's South Australian Health and Medical Research Institute (SAHMRI) building,

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over 20 years can easily be higher than initial construction costs, so hopes are high that the design will save water, energy, and money over time.

Text sources (adapted):

<http://www.bloomberg.com/features/2015-the-edge-the-worlds-greenest-building/>

<http://theconversation.com/adelaides-sahmri-building-offers-a-glimpse-of-a-greener-future-21877>

<http://www.waterworld.com/articles/wwi/print/volume-25/issue-5/editorial-focus/rainwater-harvesting/rotterdam-the-water-city-of-the-future.html>

Image source: <http://theconversation.com/adelaides-sahmri-building-offers-a-glimpse-of-a-greener-future-21877>