

# Green Property Summit 2019



# EECA's Strategic Focus Areas

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**Low Carbon  
Productive  
Business**

**Efficient and  
Low Emissions  
Transport**

**Energy  
Efficient  
Homes**

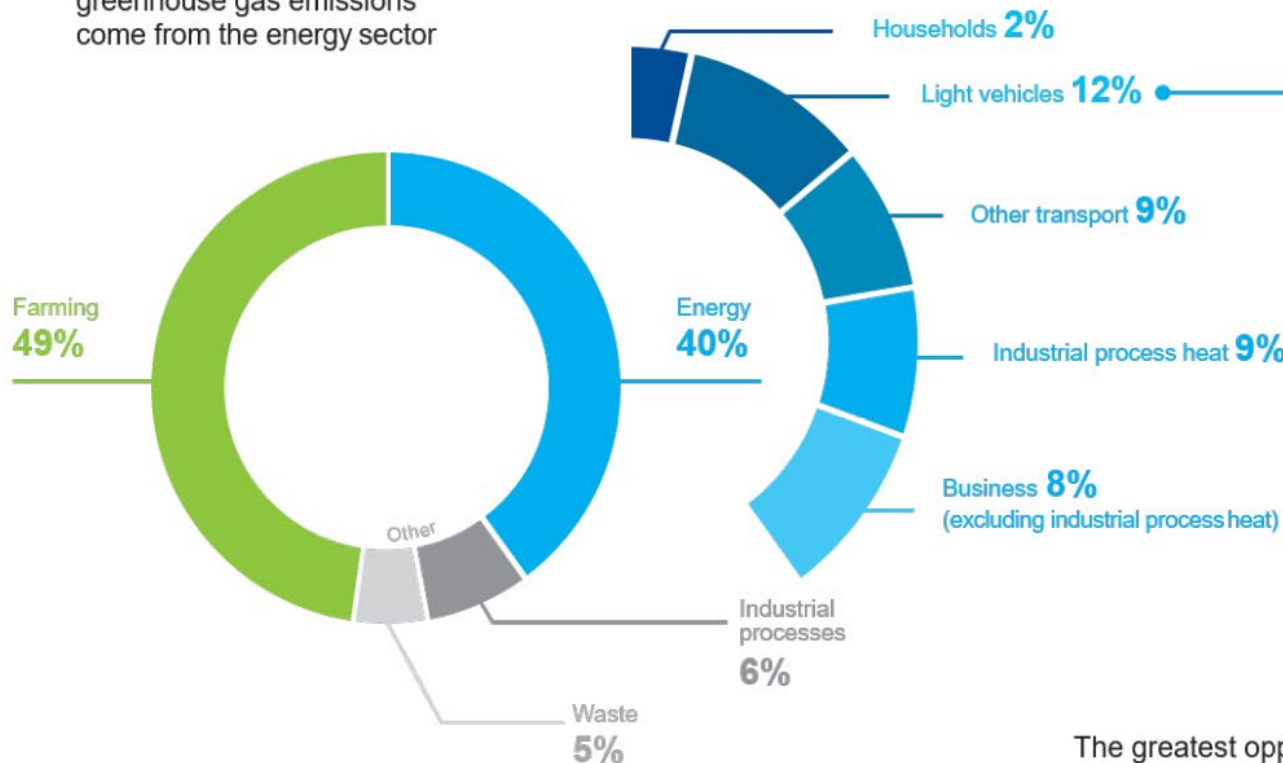
**Government  
Leadership**

**Engage Hearts  
and Minds**



# New Zealand's greenhouse gas emissions

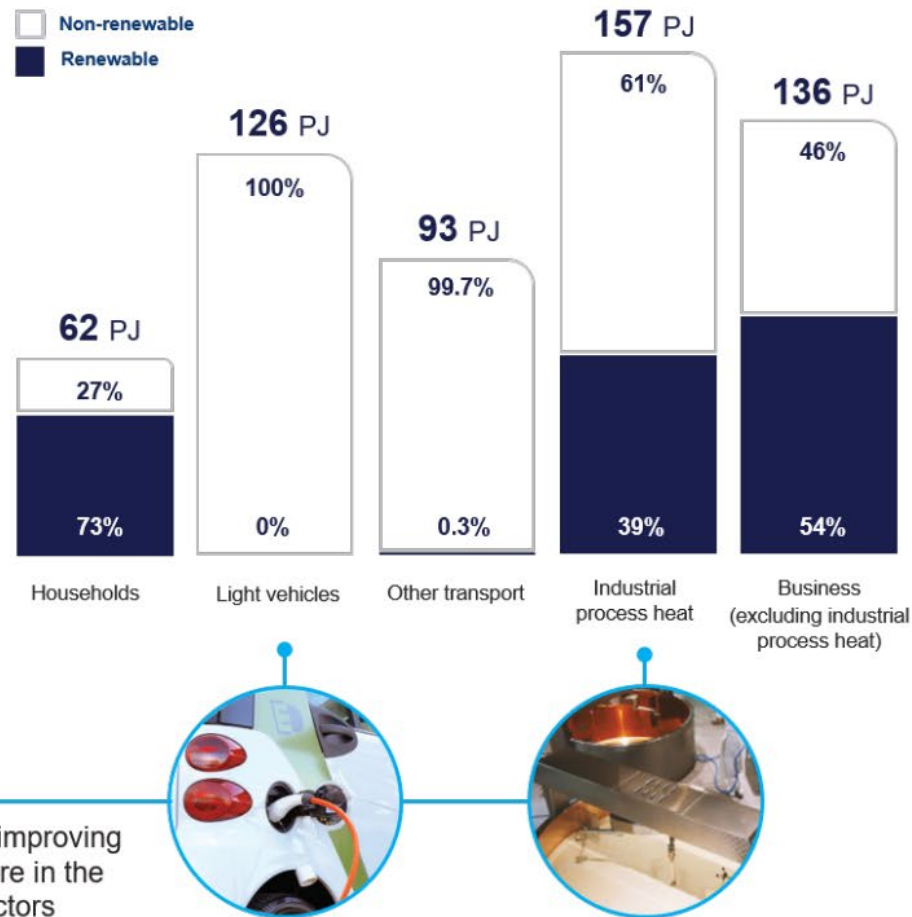
40% of New Zealand's greenhouse gas emissions come from the energy sector



Source: Greenhouse Gas Inventory 1990-2016, MIE (2018) and the Energy End Use Database 2016, EECA (2018)

# Energy use in New Zealand

Source: Energy End Use Database 2016, EECA (2018)

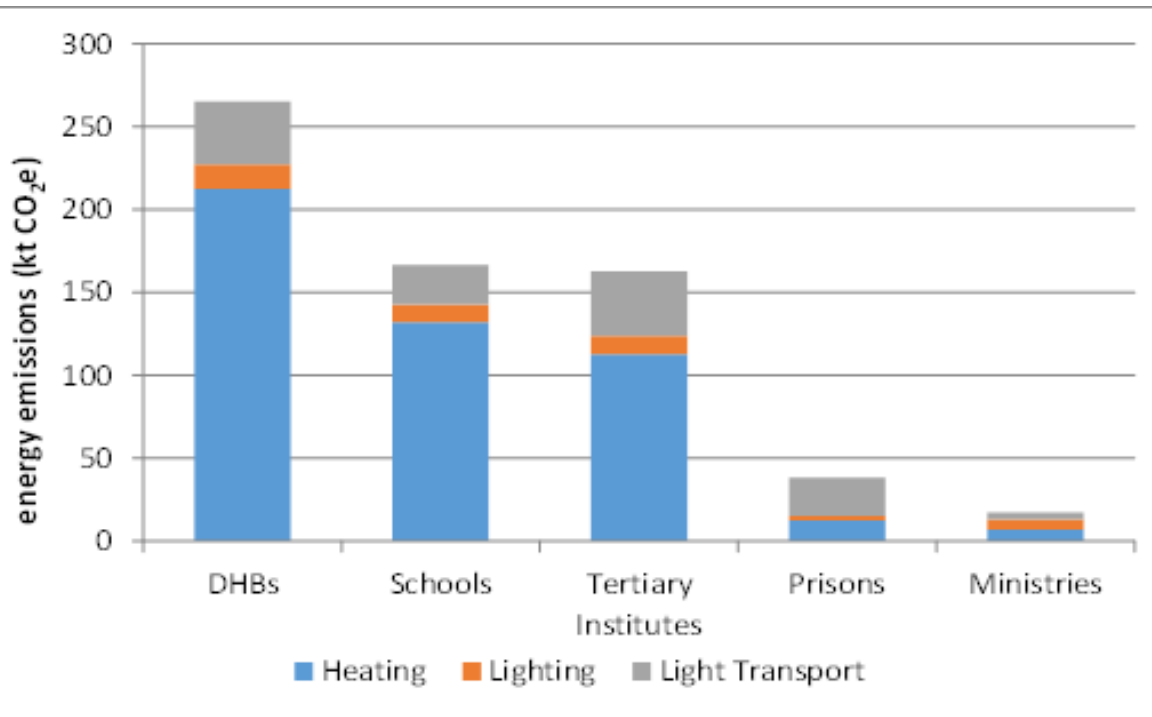


The greatest opportunities for improving the use of renewable energy are in the transport and process heat sectors

# Opportunities in the state sector

## State sector energy emissions split by sector and energy end use for 2016

**Figure 1 – State sector energy emissions split by sector and end use for 2016**



**Table 1 – Number of organisations in each subsector, largest energy users and their consumption, plus total subsector energy use in 2016**

| Organisation                  | Number | Total combined energy use GWh per annum (2016) |
|-------------------------------|--------|--|
| DHBs                          | 20     | 1681   |
| Schools                       | 2500   | 938  |
| Tertiary Education Institutes | 32     | 819  |
| Ministries                    | 30     | 230  |
| Prisons                       | 17     | 86   |

# Northland DHB Reduces Emissions with Heat pumps

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“Northland DHB has made a commitment to reduce its carbon emissions by 15% by 2025. Aside from the clear financial benefits, replacing the boilers is part of the strategy to reduce our carbon footprint,” the DHB’s general manager, finance, funding and commercial services Meng Cheong said. “The EECA Crown loans go a long way towards reducing the use of stationary diesel on its sites and in turn significantly reduces our emissions.”

Dargaville set to save \$111,000 on energy costs and \$41,600 on maintenance.

Kaitaia predicted to save \$89,000 on annual energy costs and \$53,900 on maintenance.

Potential diesel saving at both hospitals is 282,000 litres.

Reduction in carbon emissions at Dargaville and Kaitaia projected to total 794 tonnes.

