



CITY OF HOBART

CLIMATE SUMMARY 1999–2019



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The City's actions on climate change seek to:

- Deliver better and more efficient services and programs;
- Manage risks and transitions to a low carbon economy;
- Reduce the Council's exposure to potential liability in decision making; and
- Provide leadership at local, regional, national and international levels.

The City of Hobart formally engaged in climate change action in 1999.

Its current climate work program covers:

- **Corporate emissions (and energy) reduction:** reducing energy and emissions across Council owned assets, buildings, fleet and services; to realise cost savings.
- **Community emissions (and energy) reduction:** programs to influence and assist: households, business, commercial and community groups to reduce emissions and energy use and realise cost savings.
- **Corporate adaptation:** increase the Council's capacity to: protect and future proof its assets/services; respond to increased and intensified natural hazards: flooding, bushfire, sea level rise, heat and storms; mitigate exposure to potential liability in decision making; and minimise financial risks that arise from the transition to a low carbon economy.
- **Community adaptation:** assist and facilitate community resilience building and adaptive capacity by providing information on local climate change risks to enable informed decision making and risk assessment.
- **Local government leadership:** as the Capital City, lead and share knowledge/ expertise across Tasmanian councils to: build capacity, coordinate and avoid duplication of effort for mitigation and adaptation responses, develop policy and advocate to State and Federal Government, research sector and peak organisations.

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The City of Hobart cut its own carbon emissions and is now working towards further greenhouse gas emission reduction:

- 70% emissions reduction on 2000 levels by 2010 (achieved 75% reduction)
- 17% emissions reduction on 2010 levels by 2020 (endorsed 2014)
- 35% energy reduction on 2010 levels by 2020 (achieved 30% by 2015)

The City of Hobart areas of action to reduce its greenhouse gas emissions and improve its energy use include:

ENERGY

- Saving over \$1 million a year since 2010 on its power bills, with accumulated savings of over \$6 million. The City has implemented more than 200 energy efficiency measures, with a further 40 proposed, 1,000 tCO₂-e total savings (from 2010 to 2018) equivalent emissions to 250 cars.
- Installing, on the Doone Kennedy Hobart Aquatic Centre, one of the largest commercial solar PV systems in Tasmania –400kW with over 1,400 panels, 11 sites have solar photovoltaic systems and two additional are almost completed. At completion a total of 750kW capacity installed.
- Reducing energy use in the Doone Kennedy Hobart Aquatic Centre by 35% in seven years by installing solar panels,





efficient lighting, new building controls and a more efficient heat pump system extracting energy from treated wastewater effluent that passes near the Centre.

- Upgrading lighting at all of the City's multi storey car parks, saving about 40% of electricity use at those sites.
- Upgrading 98% of the 2600 street lights owned by the City of Hobart to more efficient LED technology. The total annual electricity savings are equivalent to the consumption of about 100 typical households.
- Reducing fuel use by 44% across the City's fleet of vehicles and heavy machinery since 2010, by minimising the kilometres travelled, driver training and considering fuel efficiency when purchasing vehicles.
- Supporting increased electric vehicle uptake through having five electric hybrid trucks in the City's fleet and installing slow charging stations and planning for further stations.
- Undertaking regular reviews of new technologies for vehicles and part of the Tasmanian Climate Change Office *Smarter Fleets Program* to identify further ways to reduce emissions and fuel use.
- Commencing the review of its *Energy Savings Action Plan 2018-2020* and the identification of new energy and greenhouse emission targets for its buildings and operations.

WASTE

- Capturing methane from the McRobies Gully Landfill site, which is converted to over 6000 MWh of electricity annually, that can power up to 1000 average households and is equivalent to removing over 10,000 cars from the road.
- Reducing landfill gas emissions from the McRobies Gully Landfill site from over 55,000 tonnes CO₂-e in the early 2000s to under 15,000 tCO₂-e.
- Committing to a target of zero waste to landfill by 2030.
- Repurposing, recycling or reusing the 42% or 16,500 tonnes of the 39,000 tonnes of waste that is generated in Hobart each year.
- Reducing landfill waste by 75% over the past 10 years. In 2017/18 the City of Hobart landfilled less than 20,000 tonnes of waste.



Ten years ago around 60,000 tonnes was sent to landfill.

- Diverting approximately 6,000 tonnes of material from landfill since starting a green waste collection service in 2016. This equates to over 700 trucks of waste per year. Green waste is turned into mulch and compost for use on open spaces and for public sale, and minimises greenhouse gases.
- The City collects approximately 4,900 tonnes of recycling from the kerbside annually, the contamination rate is less than 4% making Hobartians some of the best recyclers. A Recycling Unit has been introduced at the City's Customer Service Centre that can recycle a range of things from toothbrushes, makeup, batteries to x-rays.
- Transitioning to compostable takeaway packaging at the Doone Kennedy Hobart Aquatic Centre with the aim of achieving a rate of 70% diversion from landfill.
- Introducing a single use plastic by-law in 2019.
- Continuously improving recycling and waste minimisation at events run by the City. The 2017 Taste diverted 70% of the events waste from landfill.

COMMUNITY

- Developing the *Home Energy Audit Toolkit (HEAT)*, a resource available for free that can be borrowed by households to understand their energy use, how it can be reduced and they save on bills.
- Developing the *Take it Home* program, working with primary and secondary teachers to develop curriculum resources for Year 5 and 6 and Year 8 and 9 using the HEAT.
- Coordinating the Regional Climate Change Group's *Southern Tasmanian Home Energy Bulk Buy* that had the following savings: Annual cost savings to households estimated at \$195,852 per annum and \$4,006,508 over the lifetime of the products and emissions reductions of 14,836 eCO₂t and energy savings of 28,412 MWh.

ACTING ON CLIMATE CHANGE 2019

YEAR	ACTION
1999	<ul style="list-style-type: none"> • First Tasmanian council to commit to climate action and join the Cities for Climate Protection [CCP]. • Milestone 1 CCP achieved
2000	<ul style="list-style-type: none"> • City commits to reducing its greenhouse emissions by 70% by 2010 from 2000 levels. • Corporate Greenhouse Gas Inventory completed. • Milestone 2 CCP achieved.
2001	<ul style="list-style-type: none"> • <i>Corporate and Community Greenhouse Local Action Plan 2001–08</i> Endorsed. • <i>Energy Efficiency Design Guidelines</i> (for buildings) publication. • Milestone 3 CCP achieved. • Around the World in 80 Ways - sponsored two cyclists to ride from Hague Climate Change convention to Hobart to raise awareness of climate change and sustainable transport.
2003	<ul style="list-style-type: none"> • McRobies Gully Landfill flaring commences, resulting in 50% emissions reduction. • Sustainable Transport Week Council initiative to promote alternative transport opportunities, included display of technologies, community seminars, commissioned 'commuter' train trip from Brighton to Hobart. • Recruited Glenorchy City, Kingborough and Brighton Councils to join the CCP program.
2004	<ul style="list-style-type: none"> • Liverpool Street (Elizabeth to Murray Streets) closed for day-long climate street party and market.
2005	<ul style="list-style-type: none"> • Community Energy Awareness workshops delivered across Hobart suburbs. • 'Kapunda' Council-owned heritage residence at 827 Sandy Bay Road retrofitted as an energy efficiency case study.
2006	<ul style="list-style-type: none"> • Power generation from landfill gases starts and results in 20% emissions reduction. • Renovation of the City's Annexe building reduces energy use by 60%. • Walking School Bus - developed walking school bus with South Hobart Primary School.
2007	<ul style="list-style-type: none"> • City Energy Management Team established to upgrade key assets, including lighting, machinery, heating and air-conditioning. • Milestone 4 CCP achieved.
2008	<ul style="list-style-type: none"> • <i>Beat the Winter Chills and Bills</i> - energy awareness workshops delivered by Sustainable Living Tasmania. • Milestone 5 CCP achieved.
2007 – 2013	<ul style="list-style-type: none"> • Energy Rate Rebate program available for households to install solar hot water, insulation for rental properties and for energy efficient design.
2009	<ul style="list-style-type: none"> • <i>Hobart's Climate Change Strategies x 5 2008 - 13</i> and endorses Hobart's Climate Change Policy. • Council's Climate Change Adaptation Forum hosted by the City to encourage climate adaptation planning and collaborative and cooperative regional action by councils.
2010 – ongoing	<ul style="list-style-type: none"> • Regional Climate Change Initiative established, following the City of Hobart's recommendation, to provide a forum for southern local governments to share knowledge and collaborate.
2011	<ul style="list-style-type: none"> • <i>Home Energy Audit Toolkit</i> developed and made available to all 29 Tasmanian councils.
2011 – 2012	<ul style="list-style-type: none"> • <i>Regional Council's Climate Adaptation Project</i> co-founder and co-funder. The project developed Climate Adaptation Plans for the 12 southern Tasmanian councils and a Regional Climate Adaptation Strategy for southern Tasmania. • Feasibility study into the City of Hobart's wind farm to offset corporate energy use and greenhouse gas emissions.

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YEAR	ACTION
2012	<ul style="list-style-type: none"> • Hobart City Council Climate Change Adaptation Plan 2013–16 endorsed. • City Climate Change Adaptation Implementation team established.
2013	<ul style="list-style-type: none"> • Inclusion of an electric car and two CNG trucks into the City fleet.
2014	<ul style="list-style-type: none"> • City of Hobart Energy Action Plan 2014–17 released.
2015	<ul style="list-style-type: none"> • Nutgrove and Long Beach Coastal Adaptation Pathway project delivered
2016	<ul style="list-style-type: none"> • Hobart Climate Profiles and Climate Change Adaptation Policy endorsed. • Global Covenant of Mayors for Climate and Energy joined and started reporting under the international Carbon Disclosure Project. • Australian Climate Action Roundtable participant and signatory to the communiqué: transitioning to low carbon societies, 26 August 2016. • Energy Tour - delivered an energy tour of City buildings and assets for southern Tasmanian councils. • Community emissions methodology developed for the City of Hobart.
2017	<ul style="list-style-type: none"> • Marieville Esplanade Coastal Adaptation Pathway project delivered. • European Union World Cities partnered with Katowice in Poland. • Home Energy Bulk Buy coordinated for southern Tasmanian communities following savings: annual cost savings to households estimated at \$195,852 per annum and \$4,006,508 over the lifetime of the products and emissions reductions of 14,836 eCO₂t and energy savings of 28,412 MWh. • 'Responding to Climate Change' and 'Managing Greenhouse Gas Emissions' back ground papers released.
2018	<ul style="list-style-type: none"> • Community consultation and development of a new climate change strategy for Hobart. • Conference of Parties 24 Katowice – attended at invitation of the host, the City of Katowice and presented in Marrakech Partnership Talks and participated in Katowice International Partners Program. • Coordination of the Southern Tasmanian Councils Regional Climate Change Initiative: Regional and community municipal emissions profiles.
2019	<ul style="list-style-type: none"> • Appointment of Climate Communication Officer and Climate Technical Officer. • Energy Tour – coordinated a tour of the City's buildings and assets for southern Tasmanian councils. • Coordination of the Southern Tasmanian Councils Regional Climate Change Initiative Work program valued at \$215,000 which includes the development of: <ul style="list-style-type: none"> - <i>Regional Coastal Hazards Strategy</i>; and - <i>Regional Climate Change Strategy and Council Climate Action templates.</i>