

Action for Climate: How can lutruwita/Tasmania be a real leader?

A position paper by Climate Tasmania and
the Tasmanian Independent Science Council*

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* This paper reflects the views of the signatory organisations as at 3 November 2021. The organisations reserve the right to alter or update this paper as necessary, particularly in light of government policy announcements and the ongoing international negotiations under the UNFCCC 1992 and Paris Agreement 2017.

Summary of recommendations

- R.1 A revised Act should include a set of principles to guide climate action as recommended in the Final Report. 7
- R.2 Additional principles should be included in the revised Act covering intergenerational equity and protection of biodiversity. 7
- R.3 A revised Act should legislate a 2050 target of near zero net emissions excluding LULUCF. 8
- R.4 A revised Act should commit Tasmania to remain permanently below net zero emissions (including LULUCF) from 2022. 8
- R.5 A revised Act should set an objective to reduce emissions from all sectors excluding LULUCF by at least 60% by 2030 compared with 2005. 9
- R.6 A statutory body established under a revised Act should develop an independent capability to understand and forecast the capacity for the LULUCF sector in Tasmania to contribute to sequestration of CO₂ and hence to reaching and exceeding net zero emissions. 10
- R.7 The statutory body should publicly report annually on the current and projected impact of the Tasmanian LULUCF sector. 10
- R.8 A revised Act should require the development of emissions reduction targets for five-year periods between 2030 and 2050 and beyond aligned with the timing of COP meetings. 10
- R.9 Sector based Decarbonisation and Resilience Plans should be developed under a revised Act, as recommended by the Jacobs Final Report, and should be framed to achieve sectoral targets that are, in total, consistent with an overall 2030 emissions reduction target. 11
- R.10 As part of the introduction of a revised Act, the state government should commit to ensuring that no state government subsidies are paid for exploration or development of oil, gas or coal resources in Tasmania or its offshore waters. 12
- R.11 The state government should announce an investigation, to report in less than six months, on what legislative changes would be required to prevent any future development of oil, gas or coal resources in Tasmania or its offshore waters. 12
- R.12 Private entities whose fossil fuel use exceeds a nominated trigger point and all government agencies should be required to enter information on their annual fossil fuel use into a publicly accessible database. 13

- R.13 A revised Act should implement recommendation 4 from the Final Report that climate change be considered in the development of government policies, plans and strategies. 13
- R.14 A revised Act should make provision for the establishment and guaranteed ongoing resourcing of an independent advisory body to ensure that the best possible account is taken of emerging climate science in the overall program of activities established under the Act. 14
- R.15 A regulatory body established under a revised Act should be resourced to provide expert assistance and advice in the development of sectoral plans and plans for individual entities. 14
- R.16 A regulatory body established under a revised Act should have the mandate to collect and make public information on greenhouse gas emissions in Tasmania by sector and fuel type. 15
- R.17 A revised Act should provide for resourcing of public engagement and consultation activities across all aspects of climate adaptation and mitigation policies and plans. 15
- R.18 Parliament should establish a Standing Committee with representation of all political parties and independent members to monitor government activities in response to climate change. 15

Summary

A Tasmanian Climate Change Act that drives rapid action on emissions reduction and demonstrates leadership on climate action should include:

- A level of ambition in emissions reduction in all sectors that genuinely sets Tasmania on a path to being a global leader in climate action.
- Sectoral (e.g. transport, agriculture) and fuel specific (e.g. oil products, gas, coal) interim targets with dates.
- Explicit targets and mechanisms for phasing out use of fossil fuels.
- Provision and funding for an independent body to provide ongoing specialist advice to the Tasmanian government, Parliament, and the community.
- Establishment of a capability within Tasmania to collect, report and make public information on emissions sources by both fuel type and sector.
- Explicit mechanisms to ensure public participation and parliamentary oversight in the development of climate actions.
- A requirement to produce five-yearly state-wide climate risk assessments as recommended in the Jacobs Final Report.

Background

This paper focuses on actions required for Tasmania to show real leadership on climate action. It is framed in the context of changes to the Tasmanian Climate Change Act which are expected to be introduced in state parliament late in 2021.

Key documents and process referred to in this document include:

- The 2008 Act (the Act) as currently amended
- The conduct of a review into the Act (the review)
- The initial discussion paper prepared by Jacobs (the Discussion Paper)
- The Climate Tasmania submission to the review
- The final report produced by Jacobs (the Final Report)
- The government's response to the final report
- The exposure draft released by the Tasmanian Climate Change Office (TCCO) of proposed amendments to the Act implementing the government's response.

For more background on the Act and the process for amendments to the Act see our separate [briefing paper](#).

Response to the Jacobs final report and the government's response

Climate Tasmania and the Tasmanian Independent Science Council congratulate the state government on the conduct of a genuine consultation process on the revision of the Act.

The Jacobs Final Report and the government’s response have taken into account many of the concerns expressed by the community as part of the consultation process.

The Jacobs Final Report and the government’s response have moved the discussion on climate action in Tasmania forward and are strongly supported, but are not of themselves sufficient to ensure an adequate response to the challenges and opportunities of climate change.

Positive aspects of this progress include:

- Acknowledgment that “A distant State-wide target, without sustained pressure by way of interim or sectoral targets, can introduce complacency and a lack of urgency to act in the near- and mid-term resulting in increased risk of emissions growth and lagging in the low carbon transition.” (p.44 of the Final Report)
- Acknowledgment that Tasmania cannot continue to rely solely on land use sequestration to claim net zero emissions.
- Setting a process for development of sector-based decarbonisation plans.
- Formalising a process for development of state-wide climate risk assessment.
- Some recognition of the issue of stranded assets.

We welcome and support the government’s acceptance of recommendations 2 and 6 in the Final Report (‘consolidate the existing objects of the Act’ and ‘five-yearly state-wide climate risk assessment’).

Legislative strategy

While there is no doubt that the Jacobs Final Report and the draft amendments to the Act are a significant step forward in Tasmania’s plans to act on climate, those plans can be strengthened by considering whether the overall legislative strategy is a complete and comprehensive response to the problems posed by climate change. Table 1 is an overview of Climate Tasmania’s analysis of this issue.

Table 1: Does the Legislative Strategy Match the Problem?

Problem Dimension	Jacobs Legislative Strategy	How the strategy could be strengthened
Reducing emissions is urgent. The amount of global warming depends on total emissions. Any delay in reducing emissions results in greater warming.	No indication of urgency in the Jacobs final report or in the draft amendments to the Climate Change Act. For example, sector decarbonisation plans are scheduled for 2025. The draft Act can do very little to influence the pace of change.	A substantial Act that includes mechanisms and penalties will be able to control the pace of change. Mechanisms that put the onus on the largest users of fossil fuels to develop reduction plans will mean that multiple parties, not just the government, will drive change.

Problem Dimension	Jacobs Legislative Strategy	How the strategy could be strengthened
<p>Scale and scope of transformation. Adequate mitigation and adaptation responses will transform our society and bring about the rise and fall of industries, trades, and physical assets.</p>	<p>The Jacobs final report is silent on this issue, and it is not discernible in the draft amendments to the Climate Change Act. While the Parliament will debate the draft amendments, all the actions after that are up to the government of the day.</p>	<p>Such a major transformation should be controlled by Tasmania's supreme decision making body: its Parliament. This control should be exercised through the level of detail in the initial Act, and by an on-going parliamentary oversight process.</p>
<p>Clear communication to community. Tasmanians need to understand that "reducing emissions" requires the phasing-out of fossil fuels (coal, oil, and gas) and the implications for their current assets and possible future assets.</p>	<p>Neither the current Act nor the proposed amendments mention "fossil fuels" or coal, oil, and gas.</p>	<p>An Act which contains specific provisions about the phasing-out of coal, oil, and gas will make the clearest statement to Tasmanians that this is the necessary response to the climate emergency.</p>
<p>Powerful incumbents can delay, derail action. While all Tasmanians will benefit from the energy transformation, there will be losers. The oil and gas industry is large, rich, and powerful and has a history of delaying action on climate.</p>	<p>The strategy recommended by Jacobs and included in the draft amendments leaves the actual work of reducing emissions to the government of the day. Governments which are not protected by detailed ambitious legislation are susceptible to the influence of powerful lobby groups.</p>	<p>If the Tasmanian Parliament can overcome the efforts of incumbents and legislate in some detail for a just transition from fossil fuels, successive Tasmanian governments will have some protection from attempts by vested interests to delay or derail that transition. That protection will be strengthened if the legislation places the onus on the largest users of fossil fuels and if there is transparency and public accountability.</p>
<p>Long timescale for action. The phasing-out of fossil fuels is likely to take several decades, so actions to bring about and to manage a just transition will need to be sustained for several decades.</p>	<p>The main strategy is through the periodic review process; everything else is left up to the government of the day. Recent history has not been reassuring: successive Tasmanian governments published 6 climate change strategies/action plans over the period 2007 to 2017, with almost all of these being superseded prior to their full implementation.</p>	<p>Climate Tasmania's vision is for a State Climate Change Act that establishes policy mechanisms and a new statutory agency to implement them. Such an approach would set Tasmania up for the long haul. Not doing this would be akin to trying to respond to Covid-19 without a Public Health Act and without a public health agency.</p>
<p>Need to protect equity. There will be some really hard parts to the energy transformation. The Fingal Valley and Railton communities are currently dependant on the continued mining and use of coal, for example. The need to do the maximum possible to assist such communities through the transition should be recognised and built into the legislation.</p>	<p>The sector-based transition planning approach in the draft amendments to the Act will go a long way towards meeting this need. However, the draft amendments do not require equity (the "just" in "just transition") to be included in the planning process.</p>	<p>Climate Tasmania recommends the formation of an Energy Transition Authority which will be expressly charged with considering equity in all its considerations.</p>
<p>Some mandatory compliance necessary. A social transformation required to protect the whole community inevitably requires some mandatory requirements affecting a small group of individuals and businesses. Covid-19 vaccination mandates are a current example.</p>	<p>The draft amendments to the Act do not mention the possibility of penalties for non-compliance.</p>	<p>Climate Tasmania's vision for the Climate Change Act includes a regulatory agency (the Energy Transition Authority) and the ability to impose penalties if necessary.</p>

Principles to guide climate action

The Jacobs Final Report recommendation 3 is that a revised Act include a set of principles to guide climate action and suggests the following:

- Sustainable development and social equity;
- Transparency and reporting;
- Science-based approach;
- Integrated decision making;
- Risk management;
- Community engagement; and
- Complementarity with national and international climate change developments.

These are important principles that should be legislated. We do not accept the government response that legislating these principles would prevent desirable flexibility in the government's future climate action but rather they would underpin such flexibility.

R.1 A revised Act should include a set of principles to guide climate action as recommended in the Final Report.

R.2 Additional principles should be included in the revised Act covering intergenerational equity and protection of biodiversity.

Setting emissions reduction targets

The 2008 Act specified the State's target to reduce emissions to 60% below 1990 levels by 2050. The current government subsequently committed to achieving net zero emissions by 2050 and committed to "Undertake community consultation on an ambitious Net Zero Emissions Target" involving "a detailed analysis of the pathway Tasmania would need to take to achieve a target of net zero emissions prior to 2050". The results of this are the Emissions Pathway report [Point 2021b].

While the 60% target was seen as ambitious in 2008, many governments and businesses now accept that a minimum commitment towards a safe climate is a 50% reduction in emissions by 2030 and net zero by 2050 at the latest. Tasmania is well placed to set and achieve ambitious targets that are beyond commitments by other states and countries.

The Jacobs Final Report recommends that the Act legislates net emissions (gross emissions less any carbon removals) are not to exceed net zero beyond 31 December 2030. This is based on an acknowledgement that the current situation of claimed net-zero status (sequestration from land use exceeds emissions) is unlikely to continue without additional action.

2050 target

In summarising key themes from community consultation, the final report states that

“A 2050 net zero emissions target is conservative. Decarbonisation should be pursued to the extent possible across all sectors and not just rely on the land use, land use change and forestry (LULUCF) sector.” (p.2)

While 2050 targets, by themselves, can have little effect in reducing emissions in the short term, a legislated 2050 target does indicate an in-principle acknowledgement that full decarbonisation is the intended long term outcome.

R.3 A revised Act should legislate a 2050 target of near zero net emissions excluding LULUCF.

For example this could be a 90% reduction on 1990 emissions by 2050, excluding LULUCF.

An alternative formulation would be to achieve total net zero emissions excluding existing LULUCF. In other words, any remaining emissions would be offset by new sequestration that is not captured by existing land use calculation.

2030 target

The state government claims that Tasmania has met a net zero target in six of the last seven years. Given the necessity to reduce emissions substantially over the next decade, there is no reason why a legislated net zero target should be deferred until 2030.

R.4 A revised Act should commit Tasmania to remain permanently below net zero emissions (including LULUCF) from 2022.

The necessity of reducing emissions globally by 50% is now well documented and accepted by 733 cities, 31 regions, 3,067 businesses, 173 of the biggest investors, and 622 Higher Education Institutions who are part of the Race to Zero coalition who have pledged to:

“Set an interim target to achieve in the next decade, which reflects maximum effort toward or beyond a fair share of the 50% global reduction in CO₂ by 2030 identified in the IPCC Special Report on Global Warming of 1.5C” [Race to Zero website](#).

In this context the question arises as to what Tasmania’s 2030 emissions reduction target should be. This involves considerations of:

- what is achievable given ‘maximum effort’
- what is a ‘fair share’ given Tasmania’s natural advantages
- whether a Tasmanian target should include LULUCF sequestration
- what target would be seen as providing global leadership.

In addition to the international commitments listed above it is notable that the NSW government has recently announced that it expects to achieve emissions reductions of 47-52% below 2005 levels by 2030 [NSWGov 2021].

We believe that a Tasmanian 2030 target should exclude the impact of land use sector because:

- Estimates of LULUCF are very uncertain and the methodology is opaque.

- It is unclear which parts of LULUCF are natural and which have human causes.
- Carbon dioxide can move from forests to the atmosphere relatively quickly (for example, during a forest fire).
- Claiming Tasmania is already at net-zero emissions blunts the imperative to address other sectors.

A target of a 60% reduction in emissions (excluding land use) would:

- Provide genuine global leadership.
- Indicate a level of ambition that would drive sectoral Decarbonisation and Resilience Plans.

R.5 A revised Act should set an objective to reduce emissions from all sectors excluding LULUCF by at least 60% by 2030 compared with 2005.

The case for sectoral and interim targets

Overall emissions reduction targets set a level of ambition but because the challenges in each sector are different, and of differing levels of difficulty, more specific sectoral and interim targets are required for driving down emissions. For example further reductions in emissions from electricity generation in Tasmania are relatively straightforward (mainly requiring the construction of additional wind farms) whereas emissions from some industrial uses of gas and coal require greater planning.

The choice of sectors

Tasmania's greenhouse gas emissions are reported as part of the Australian National Greenhouse Accounts which are in turn based on international greenhouse reporting standards.

At the top level emissions (and sequestration) is reported under the headings:

- Energy (which includes both electricity and transport)
- Industrial processes and product use
- Agriculture
- Land use, land use change and forestry (LULUCF)
- Waste

Use of these standard categories allows for national and international comparisons but is not sufficient for detailed reporting and planning at the state level.

Energy is often treated as a single sector; however the dynamics of Tasmanian electricity generation are quite different from those of other stationary energy (gas, coal etc) let alone the different challenges of the transport sector.

Sequestration

Long term sustainability and a safe climate are likely to require drawdown (sequestration) of existing atmospheric CO₂ as well as reaching net zero emissions as rapidly as possible. Tasmania's large forested areas and fertile soils provide a basis for the state to contribute to nature based solutions to sequestration in the longer term. In the short to medium term (now to 2050) these capabilities provide the sequestration that allow the state to claim net zero status has already been achieved.

As argued above, emissions reduction targets should exclude Land Use, Land Use Change and Forestry (LULUCF). However, understanding and maximising the contribution from this sector is an important part of Tasmania's contribution to climate solutions.

R.6 A statutory body established under a revised Act should develop an independent capability to understand and forecast the capacity for the LULUCF sector in Tasmania to contribute to sequestration of CO₂ and hence to reaching and exceeding net zero emissions.

R.7 The statutory body should publicly report annually on the current and projected impact of the Tasmanian LULUCF sector.

This reporting should include a description of the methodology used and the potential impact of environmental, policy and technology changes. For example, this would include how CO₂ sequestration would be impacted by wildfires and changes to forestry policy.

In reporting sequestration capability it is necessary to differentiate between different types based on their 99% probable half lives of sequestration. For example, sequestration pathways could be classified as short term (half life 99% probability of 20 years), medium term (half life 99% probability of 100 years) or long term (half life 99% probability of 500 years).

For more information on the role of LULUCF and our reasons why we believe they should not be used as a basis for meeting an emissions reduction target see Appendix 3 and the Climate Tasmania fact sheet [Is Tasmania a world leader in mitigating climate change?](#)

Interim targets between 2030 and 2050

Interim targets should be set for five-yearly periods, aligning with the timing of UNFCCC COP meetings. As noted in the Discussion Paper, this is the approach taken in Victoria, New Zealand, Denmark, and the United Kingdom.

R.8 A revised Act should require the development of emissions reduction targets for five-year periods between 2030 and 2050 and beyond aligned with the timing of COP meetings.

These targets should be informed by both the latest scientific understanding at the time of the need for emissions reductions and the success or otherwise of Decarbonisation and Resilience Plans developed under the Act. Interim targets should be framed excluding LULUCF but in line with recommendation 7, the projected impact of land use should be reported separately.

Trade-off between sectors

Sectoral plans and targets can provide guidance to affected industries and allow the Government to apportion reductions between easy- and hard-to-mitigate sectors.

It is essential that these trade-offs take place within an overall target. Total emissions reduction are what matters. It is not sufficient that easier to abate sectors meet a target and more challenging sectors don't.

The UTas discussion paper [UTas 2021, p.27] includes an illustration of how, within an overall target (37% reduction by 2030 in their document), reductions could be apportioned differently across sectors depending on the difficulty of abatement in that sector.

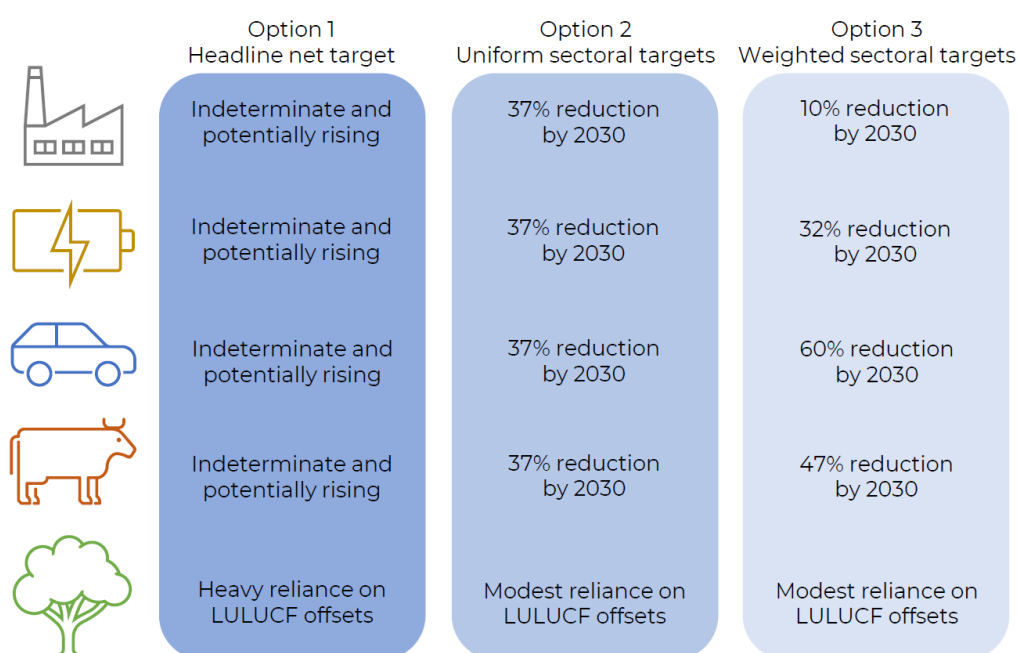


Figure 1: Sectoral reduction options (source UTas 2021, p.27)

R.9 Sector based Decarbonisation and Resilience Plans should be developed under a revised Act, as recommended by the Jacobs Final Report, and should be framed to achieve sectoral targets that are, in total, consistent with an overall 2030 emissions reduction target.

Challenges and opportunities in particular sectors

Emissions reduction provides many opportunities for the development of new industries and job creation. Tasmania has many advantages in the development of new, more sustainable industries. These arise from both natural advantages (wind and hydro potential, a rich coastal environment, fertile soils) and the skills and initiatives of Tasmanians.

These advantages provide a head-start in the development of Tasmania-specific sectoral emissions reduction plans with ambitious targets. We will not canvass these advantages in detail as they are well described in section 7.2 of the UTas Discussion Paper [UTas 2021] as well as in the Sectoral Opportunities and Challenges section of the Climate Tasmania submission to the Review [Climate Tasmania 2021]. Estimates of potential abatement are in the summary of the Emissions Pathway Review [Point 2021c, p.6-7].

Some particular highlights include:

- Short travel distances and renewable electricity make Tasmania an ideal location for reducing transport emissions through accelerated take-up of electric vehicles.
- A diverse agricultural sector with strong local interest in regenerative agriculture.
- The combination of renewable electricity, water availability and a deep-water port at Bell Bay provide a strong base for green hydrogen based industries.

Phasing out of fossil fuels

Preventing new fossil fuel developments

“If governments are serious about the climate crisis, there can be no new investments in oil, gas and coal, from now – from this year.”

Fatih Birol, the IEA’s executive director of the International Energy Agency. [The Guardian](#), 18 May 2021.

R.10 As part of the introduction of a revised Act, the state government should commit to ensuring that no state government subsidies are paid for exploration or development of oil, gas or coal resources in Tasmania or its offshore waters.

While it is clear that no serious plan for emissions reduction can allow the development of new fossil fuel resources, there are many existing regulations and frameworks that support and allow for resource development. A ban on new fossil fuel developments will need to be carefully planned to ensure that it is not subject to legal challenges.

R.11 The state government should announce an investigation, to report in less than six months, on what legislative changes would be required to prevent any future development of oil, gas or coal resources in Tasmania or its offshore waters.

Examples of changes required to the Mineral Resources Development Act, 1995 are included in the Climate Tasmania drafting instructions. There may be other relevant provisions.

Reporting and reducing existing fossil fuel usage

The Climate Tasmania drafting instructions recommend the establishment of an online database into which Government Departments, GBEs and other government-controlled entities are required to report their use of fossil fuels every quarter. Non-government entities whose fossil fuel use exceeds trigger levels must also report their use into the public database. The intention is to use fossil fuel quantities as surrogates for Scope 1 emissions: reporting fuel use in the measurement units used for trade is simple, direct, and easy to understand. All other non-government entities would be able to report their fuel use into the public database on a voluntary basis.

Entities (including Tasmanian operations of national or international businesses) whose fossil fuel use exceeds nominated trigger points would be required to develop Energy Transition Plans that publicly disclose their fossil fuel use and set out their plans for

reducing fossil fuel use. The trigger levels for the development of Energy Transition Plans would be higher than the trigger levels requiring just the reporting of fossil fuel use.

All entities required to report into the database would be required to reduce their fossil fuel use year on year, and develop reports from the database so any person can see how each entity is performing with respect to this requirement in absolute terms, and relative to other reporting entities.

In a recent budget estimates discussion the Premier accepted the logic of requiring government entities to publicly report their fossil fuel use:

Tuesday 7th September. Peter Gutwein (as Minister for Climate Change)

Ms WEBB - If we put aside land use and forestry, reducing greenhouse gas emissions requires a reduction in the use of fossil fuels - coal, petroleum fuels, natural gas and LPG. Would you commit to government departments publishing their use of those fuels, say, every quarter or on some periodic basis so that it's publicly available to see how the emission reduction effort is progressing on that front?

Mr GUTWEIN - I think in some annual reports that already occurs in some agencies. I would need to check. That level of information detail, I have no issues at all in working towards that. I think that is a sensible thing for government to do.

R.12 Private entities whose fossil fuel use exceeds a nominated trigger point and all government agencies should be required to enter information on their annual fossil fuel use into a publicly accessible database.

Consideration of climate change in all government strategies

The Jacobs final report recommendation 4. is to "Amend the Act to include the consideration of climate change in the development of relevant government policies, plans and strategies."

R.13 A revised Act should implement recommendation 4 from the Final Report that climate change be considered in the development of government policies, plans and strategies.

An independent body to provide science advice

The original Act provided for the establishment of a Tasmanian Climate Action Council to report directly to the Minister with independent advice on climate change issues as they affect Tasmania. In September 2014 [this section of the Act](#) was repealed.

Tasmania needs an independent body created by legislation to provide ongoing specialist advice for the Tasmanian government, the Parliament, and community. The Covid 19 pandemic is showing us the importance of understanding the science and developing good policies. Climate change is a much more complex set of problems and here for the long-term.

A new body would provide independent advice on State emissions targets and carbon budgets, adaptation measures, sectoral policies, and health impacts and draw on the best available science, energy and economic research. Its membership would include expertise in science, economics, business, government, public, environment, health and education.

As an independent body it would provide Tasmanian governments and members of Parliament with a non-political adviser. For too long, the State has suffered with policy churn in this area, resulting in short-lived or ineffective efforts to reduce emissions. An independent adviser could take a long-term view and support continuity of effort.

R.14 A revised Act should make provision for the establishment and guaranteed ongoing resourcing of an independent advisory body to ensure that the best possible account is taken of emerging climate science in the overall program of activities established under the Act.

Establishment of a regulatory agency

The Climate Tasmania drafting instructions propose the establishment of an independent statutory authority called the Energy Transition Authority tasked with ensuring that Tasmania's energy transition is a "just transition": speedy, equitable and as minimally disruptive as possible under the circumstances. The agency would also assist with the development of Energy Transition Plans.

The Climate Tasmania drafting instructions suggest Energy Transition Plans be mandatory for entities that exceed a trigger point for fossil fuel use and for all Government agencies, GBEs and local governments. Other organisation would be encouraged to develop voluntary Energy Transition Plans.

R.15 A regulatory body established under a revised Act should be resourced to provide expert assistance and advice in the development of sectoral plans and plans for individual entities.

Transparency and accountability

Collection and publication of emissions data

The Discussion Paper states that "The Act includes provisions for regulation, measurement and reporting of emissions". The reporting of emissions on the Tasmanian Climate Change Office's website consists only of figures taken from the national State and Territory Greenhouse Gas Inventories: 2019 (the latest figures).

This is not an adequate basis for informing policy development in Tasmania because of:

- the delay in collating data
- the fact that it is not possible to see emissions resulting from particular fossil fuel sources (oil, gas and coal) by state or for individual sectors
- the fact that LULUCF figures, which form by far the biggest component of the claimed net zero emissions for Tasmania, do not allow an analysis of what role particular forestry areas and management practices contribute to the calculated sequestration and how this will change over time.

While consistency with national and international reporting should be preserved, Tasmania should develop an independent capacity to analyse and report on use of fossil fuels and emissions from particular sectors and industries as a basis for developing sectoral targets.

R.16 A regulatory body established under a revised Act should have the mandate to collect and make public information on greenhouse gas emissions in Tasmania by sector and fuel type.

Public consultation and involvement

The development of climate adaptation and mitigation policies is of vital importance to all Tasmanians. The development of Decarbonisation and Resilience Plans should not be left to the Minister in consultation with directly affected industries.

R.17 A revised Act should provide for resourcing of public engagement and consultation activities across all aspects of climate adaptation and mitigation policies and plans.

Parliamentary oversight

Addressing climate change requires frameworks that remain effective across decades and across changes of government.

R.18 Parliament should establish a Standing Committee with representation of all political parties and independent members to monitor government activities in response to climate change.

The Standing Committee should have the power to request information, receive reports and question Ministers and senior public servants on all matters related to climate change.

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Commissioned as part of the process to review the Tasmanian Climate Change Act, this paper provides background information and preliminary analysis on Tasmania's emission profile, pathways and opportunities to set a net zero emissions target more ambitious than the current 2050 target.
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Appendices

Appendix 1: Summary of Climate Tasmania drafting instructions

More detailed recommendations on the content of a revised Act are in the Climate Tasmania Drafting Instructions [Climate Tasmania 2019]. These include proposals on:

- **Establishment of an Energy Transition Authority**
A regulatory body tasked with ensuring that Tasmania's energy transition is a "just transition": speedy, equitable and as minimally disruptive as possible under the circumstances.
- **Establishment of a Committee on Climate Change**
A high level advisory body on climate change and the energy transition. Its primary role will be to ensure that the best possible account is taken of emerging climate science in the overall program of activities established under the Act.
- The setting of sectoral **emissions reduction targets** to be reviewed annually by the Committee on Climate Change.
- The **control of methane emissions** to be regulated by the EPA.
- **Measurement and public reporting of fossil fuel use** to be mandated for state and local government organisations, GBEs and the largest private entities.
- The development of **Energy Transition Plans** by organisations
The development of Plans will be assisted by the Energy Transition Authority. Plans will be mandatory for the largest emitters and voluntary for other organisations.
- Requiring the development of **Climate Change Impact Assessments** for large projects.
- Assessment, planning and advice on the **Health Impacts of Climate Change**
The Director of Public Health to be responsible for providing scientific assessment, detailed planning and advice regarding the scope of known and emerging public health impacts.
- **Management of adaptation to climate change**
The Climate Change Act should amend a range of existing planning legislation to include climate impacts as a mandatory consideration.
- **Management of agricultural emissions**
Including that the Agriculture Minister establish a Carbon Farming Unit to work with farmers and land managers.
- **Prohibition of exploration for fossil fuels in Tasmania**
- **Public reporting and celebration of achievements.**

Appendix 2: Summary of Jacobs recommendations and government response

The government's response to the final report [TasGov 2021] lists (p.11) the following responses to the Jacobs recommendations:

Jacobs recommendation	Government response
1. Amend the Act to legislate an emissions reduction target of net zero emissions from 2030.	Support
2. Amend the Act to consolidate the existing objects of the Act around five themes.	Support
3. Amend the Act to include a set of principles to guide climate action.	Support in principle*
4. Amend the Act to include the consideration of climate change in the development of relevant government policies, plans and strategies.	Support in principle*
5. Amend the Act to make the development of a Climate Action Plan a statutory requirement.	Support
6. Amend the Act to require a five-yearly statewide climate risk assessment to be completed.	Support
7. Amend the Act to include the completion of sector-based Decarbonisation and Resilience Plans.	Support

* Although the government response says they support these recommendations 'in principle', implementation of them is not included in the exposure draft of legislative changes to the Act released by the Tasmanian Climate Change Office.

In relation to recommendation 3 the response argues that a government policy framework as part of a whole of government approach rather than legislated principles "provides for flexibility in the Government's future climate action".

In relation to recommendation 4 the government response again argues that a whole of government policy framework provides "flexibility for decision makers".

Appendix 3: A note on LULUCF

LULUCF is the acronym for “land use, land use change and forestry” – the sector which under the United Nations Framework Convention on Climate Change deals with terrestrial carbon sinks (processes, activities or mechanisms that remove greenhouse gases from the atmosphere).

Forests are a significant global carbon stock accumulated through growth of trees and an increase in soil carbon. Greenhouse gases are released when primary forests are converted to forests that are managed unsustainably. Conversely, sustainable management of degraded forests can increase carbon stocks and biodiversity.

The LULUCF sector has been the determining factor in Tasmania’s achievement of net-zero emissions in recent years, due mainly to decreased harvesting activity since 2005.

For more information on this issue, see the Climate Tasmania fact sheet [Is Tasmania a world leader in mitigating climate change?](#)