

# Application PACLS000202

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## Application Summary

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Application ID  
PACLS000202

Application Title  
PACLS - ENZEN AUSTRALIA PTY LTD

Program Name  
Preparing Australian Communities - Local Stream

Applicant  
ENZEN AUSTRALIA PTY LTD

Submitted Date  
6/01/2022

## Program selection

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ENZEN AUSTRALIA PTY LTD

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Are you a trustee on behalf of a trust?  
No

Do you have an ABN?  
Yes

## Entity details

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ABN  
54608963775

Legal name  
ENZEN AUSTRALIA PTY LTD

Business name  
ENZEN AUSTRALIA PTY LTD

Date of registration  
29/10/2015

GST Registered  
Yes

Are you a charity registered with the Australian Charities and Not-for-profits Commission (ACNC)?  
No

Are you a not-for-profit?  
No

## Program Selection

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Program  
Preparing Australian Communities - Local Stream

Program Element  
Preparing Australian Communities - Local Stream

# Eligibility

Select which entity type you are.  
an entity incorporated in Australia

Do you agree that you will deliver your project in accordance with relevant legislation, policies and industry standards?  
Yes

Is your project aimed at reducing the risk to and/or improving the resilience of your community against bushfire, flood and/or tropical cyclones?  
Yes

Will your proposed project increase the community's ability to mitigate, avoid, withstand and/or recover from the increasing effects of tropical cyclone, bushfire or flood as a result of climate change, in a timely and efficient manner, through activities targeting or delivering resilience in the social, economic, natural and/or built environments?  
Yes

Does your project have at least \$20,000 in eligible project expenditure?  
Yes

Are you able to provide all mandatory attachments as outlined in section 8.2 of the grant opportunity guidelines?  
Yes

Can you declare that you and any project partner/s are not included on the National Redress Scheme's list of 'Institutions that have not joined or signified their intent to join the Scheme'?  
(see website: <https://www.nationalredress.gov.au/>)  
Yes

Can you declare that you and any project partner/s have not been named by the Workplace Gender Equality Agency as an organisation that has not complied with the Workplace Gender Equality Act (2012)?  
(see website: <https://www.wgea.gov.au/what-we-do/compliance-reporting/non-compliant-list>)  
Yes

Are you able to meet your share of project costs and provide evidence of your cash or in kind contribution?  
See section 3.1 of the guidelines to determine if you are required to provide a co-contribution to your project.  
Not applicable

Are any required approvals planned for or already in place in order to commence your project around May 2022?  
Yes

Can you declare that you have not previously submitted an application under the Preparing Australian Communities Program - Local?  
Yes

## Applicant address

Applicant street address

Is the address located in Australia?  
Yes

Address Details  
L 7 1 King William St  
ADELAIDE SA 5000  
Australia

Applicant postal address

Is the address located in Australia?  
Yes

Address Details  
L 7 1 King William St  
ADELAIDE SA 5000  
Australia

## About your organisation

We collect the following data from all applicants. We use this data to better understand your organisation and to help us develop better policies and programs.

## Latest financial year figures

Has your organisation existed for a complete financial year?

Yes

What was the latest complete financial year?  
2020/21

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Provide the following figures for the financial year you have entered above.

Values must be that of the entity applying (the 'applicant'), regardless of whether the entity belongs to a consolidated group for tax purposes.

These fields are mandatory and entering \$0 is acceptable if applicable for your organisation.

Sales revenue (turnover)

Total revenue from the sale of goods and services, as reported in your organisation's Business Activity Statement (BAS).

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Export revenue

Total revenue from export sales, as reported in your organisation's Business Activity Statement (BAS).

s47G

R&D expenditure

Expenditure on research and development, i.e. creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this stock of knowledge to devise new applications.

s47G

Taxable income

Taxable income or loss as per your organisation's income tax return form.

s47G

Number of employees (headcount)

Number of individuals who are entitled to paid leave (sick and holiday), or generate income from managing your organisation.

This should include working proprietors and salaried directors.

s47G

Number of independent contractors (headcount)

Number of individuals engaged by your organisation under a commercial contract (rather than an employment contract) to provide employee-like services on site.

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## ANZSIC code

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Provide the Australian and New Zealand Standard Industrial Classification (ANZSIC) details for your organisation.

ANZSIC division

M - Professional, Scientific and Technical Services

ANZSIC class

6923 - Engineering Design and Engineering Consulting Services

## Indigenous organisations

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Is your organisation Indigenous owned?

An organisation is considered Indigenous owned where at least 51% of the organisation's members or proprietors are Indigenous.

No

Is your organisation Indigenous controlled?

An organisation is considered Indigenous controlled where at least 51% of the organisation's board or management committee is Indigenous.

No

## Project information

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### Natural Hazard

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Select the natural hazard/s your project is aimed at reducing the risk to and/or improving the resilience of your community against.

You may choose one or more natural hazard/s.

Bushfire

Yes

Tropical Cyclones

No

Flood

Yes

## Project domains

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See section 6.1 of the grant opportunity guidelines for further details on each domain.

Select the domain/s your project will fall under.

You may select one or more domains relevant to your project.

Social environment

Yes

Economic environment

Yes

Natural environment

Yes

Built environment

Yes

## Project Category

See section 6.2 of the grant opportunity guidelines for further details on each eligible activity category.

If your project contains infrastructure of \$100,000 or more, you should select 'infrastructure' as your eligible project category.

Infrastructure projects that are \$100,000 and over require a 50 per cent cash or in kind contribution.

Select the eligible activity category your project will fall under.

Your project may have elements of more than one category. However, you must select which of these categories is the most relevant.

Planning

## Priority Local Government Area (LGAs)

Your project may be addressing more than one of the hazard risks across more than one LGA. However, you must nominate the most relevant for your project.

Projects that address the hazard risks in the priority LGAs identified in Appendix A will receive an additional 20 points. You can only receive a maximum of 20 additional points per application.

Is your project addressing bushfire risk in one of the Priority LGAs listed in Appendix A of the guidelines?

Yes

Select the most relevant LGA.

TAS - s47G

Is your project addressing bushfire risk in more than one LGA?

Yes

Provide details of where and how project activities will be delivered across the locations.

s47G

Is your project addressing flood risk in one of the Priority LGAs listed in Appendix A of the guidelines?

Yes

Select the most relevant LGA.

TAS - s47G

Is your project addressing flood risk in more than one LGA?

No

## Project title and description

If your application is successful, we will publish some grant details on GrantConnect and other government publications. Published details include:

- name of the grant recipient
- a project title
- a brief project description and its intended outcome
- amount of grant funding awarded

Provide a project title.

Disaster Smart Tasmanian Communities

NEMA FOI 2526-09

Document 1

Provide a brief project description for publication.

Ensure your project description focuses on your project's key activities and outcomes. Outline what it is you are going to do and how it will benefit the community.

We will develop a unique engineering grade digital twin of the natural and built environments of 7 adjacent Tasmanian Local Government Areas (LGA) prioritised by the NRRRA.

Our Disaster SMART (Sense, Model, Analyse, Respond & Transform) Communities solution will provide a sophisticated deep-analysis platform that will deliver significant value against the NRRRA's eligible activity categories of Planning, and Awareness and Capacity.

An annual refresh of spatial data and situational intelligence using a tailored Internet of Things (IoT) will enable accurate time-comparative assessment of disaster risk and consequence.

Using this insight our disaster management experts will work with the targeted communities to improve disaster resiliency.

## Detailed project description and key activities

This information will be included in your grant agreement if your application is successful.

Provide a detailed description of your project including the project scope and key activities.

For applications seeking a grant amount over \$100,000 you must also provide a project plan later in your application.

Our Disaster SMART Communities project is unique and transformative. We will bring together domain knowledge, experience, technology, locational intelligence, partners, stakeholders and beneficiaries to significantly advance the disaster resiliency

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At its core our project is about enabling these local communities to improve resiliency through greater situational intelligence and actionable insights into disaster risk and consequence.

This project delivers

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to create a digital twin of unprecedented detail and accuracy of the target natural and built environments. We will achieve local results with economies of scale in our data acquisition, processing, and advisory. Our solution will be scalable to all other LGAs in Tasmania.

Our digital environment and initiatives will enable and drive disaster risk reduction that visibly benefits the target communities and Tasmania. This will reduce the potential impacts on people, society, the natural environment, community assets, and the burden of post-event recovery. We will integrate with community leaders and build unprecedented non-traditional capabilities for resilience to bushfire and flood.

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Enzen will lead the project planning and execution and focus relentlessly on benefits realisation and assuring the outcomes. Our formal project partner is 42-24, part of TasNetworks, and a provider of premium telecommunications, information technology and data centre services, proudly delivered by a team of professionals throughout Tasmania.

We will:

- Exploit our globally-unique digital environment of Tasmania in the target LGAs.
- Augment our technology environment physically and digitally in those communities.
- Advance our situational intelligence and toolset for increased risk measurement data.
- Collaborate and share locally to enable and drive disaster risk reduction with measurable and visible benefits that extend beyond the immediate community.
- Work with the community to develop resilience that includes risk forecasting and consequence modelling, risk strategies, event impact minimisation plans, and restoration strategies.

Our approach:

Provide a comprehensive and previously unmatched digital twin of the target LGA's natural and built environments.

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Our team is highly competent in the development of plans, prevention, mitigation, and disaster response. We will:

- Provide the expertise and leadership to develop specific collaborative community-scale resilience strategies and initiatives.
- Demonstrate how to use this information to develop and lead resilience and disaster risk mitigation.
- Assist with specific local community investment or business case development and technical studies.
- Build on the current LGA awareness and guide the development of future capacity.

## Project outcomes

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This information will be included in your grant agreement if your application is successful.

Provide a summary of the expected project outcomes.

### Alignment

The successful delivery of this project will directly serve the intended outcomes of the Preparing Australia Program for the target LGAs, for Tasmania, and for Australia.

1. Increasing disaster preparedness and resilience: Using our engineering grade digital twin we will collaborate with our partners, stakeholders, and the communities to identify risk and quantify consequence for stakeholders to incorporate into disaster prevention, planning, response, and recovery. Using the temporal element of the digital twin we will measure compliance and improvement over time. Situational intelligence enabled by our IoT and other data sources will ensure greater preparedness.
- 2&3. Reducing the time and cost of recovery following future disasters: By identifying and reducing the risk of fire starts and reducing the vulnerability of key strategic and high costs assets we will reduce the recovery time and cost. By working with businesses on their disaster and resiliency plans we can ensure that the cost to business is reduced, and people can get back to work earlier.
4. Encouraging reductions in insurance premiums through reduction in disaster risks: The intent is to ultimately see the target communities become more insurable with improved premiums and cover due to improved mitigation and planning.

### Outcomes

The 110 bushfires on Black Tuesday in 1967 were within a 56 km radius of Hobart. Since then, several deliberately lit and natural fires have taken lives, nature, timber reserves, buildings and homes, and farming infrastructure. Fuel build-up, strong winds, and hot air will continue to present community risk and may exacerbate with climate change.

Australia has repeatedly seen the impact of fire, flood, and cyclone disasters directly on the impacted communities and well beyond those communities. Enzen, our Tasmanian partners, and our global network, have very specific and broad expertise and experience in disaster event modelling, prevention, mitigation, and response.

The people, the economy, and the natural and built environments in the LGAs will benefit measurably through significantly advanced information and tools for bushfire risk.. They will have the ability and data to prepare for and mitigate major events, reduce the cost and time of recovery, and actively seek reduced improved insurance outcomes.

Our comprehensive "Digital Twin" of the natural and built environment will host and present compelling information for disaster risk analysis and mitigation.

During and at the conclusion of this project, the LGAs will be part of and engaged in the advancement of disaster mitigation technology on the ground in Tasmania. They will develop new expertise and explore solutions in unprecedented ways: solutions to problems that have significantly impacted on Tasmanian communities for many years and challenges yet to emerge as our planet's environment continues to be impacted. New challenges will require new decisions informed by new information, learning, and continuously evolving knowledge. Our time-based and real time data will be the foundation for this information.

The target communities will have the opportunity for new conversations about resilience, in terms of immediately actionable initiatives and longer-term prevention, planning, and preparation. This should draw the different essential community organisations together to strengthen social networks and align their contributions to plans and restoration efforts. The new information provided by this project will very differently inform current and emerging community disaster recovery plans. Our data will show potential and possible impacts geospatially to enable planning to recover socially and commercially as safely and as quickly as possible, by physical location. For example, this recovery could be temporary in a safe location followed by full restoration.

The natural environment in the target LGAs will have increased resilience based on the unprecedented aerial scan and data modelling. This will be conflated with flood and fire risk modelling data, and new technology applications developed. Decisions and strategies can then be based on this new modelling from new and existing applications.

These outcomes are scalable and largely reusable. The principles can be extended to other Tasmanian LGAs and to other critical risks or challenges. This is not one-off, but temporal with continuing application.

We will bring powerful temporal data, analytics, and modelling to the table in these communities and work with key organisations to renew their energy and efforts towards long-term strategies that work. Our goal is long-term resilience, not reactive or narrow low-return activity. Time-based comparative analysis is critical to ensuring the continuing relevance and usability of models and plans based on those models. As the natural and built environments evolve, so must the data, the modelling, and the strategies.

## Project duration

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Your project must be completed in line with the dates provided in the grant opportunity guidelines.

We expect you will be able to commence your project around May 2022 and your project must be completed by 31 March 2025.

Estimated project start date

01/05/2022

Estimated project end date

31/03/2025

Estimated project length (in months)

35

## Project milestones

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Provide details on the project milestones including the key activities occurring at each milestone.

The milestones start and end dates must be between the project start and end dates. You may add up to 10 milestones.

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Document 1

Milestone title  
Project Initiation

Description

Funding Approval and formal Project start up. Develop detailed Project Execution plan to set-up, lead, manage, and control the project through to benefits realisation. Will include project Health-Safety-Security-Environment, Risk, Procurement and Contracting, Scope and Quality, Cost and Funding, Schedule, Resources and Team, Communications and Stakeholder management plans.

Key stakeholders notified and Project Team formed.

Estimated start date

1/05/2022

Estimated end date

30/06/2022

Milestone title  
Stakeholder Engagement Plan

Description

Detailed Stakeholder Engagement strategy for three year life of project, with detail for 2022. Include all communications and engagement approaches.

Estimated start date

01/05/2022

Estimated end date

30/06/2022

Milestone title  
Year 1 Data Available

Description

Year 1 data available for stakeholder engagement: Public domain: BOM, disaster centres, power, water, sewerage, communications, roads.

Estimated start date

01/12/2022

Estimated end date

31/03/2023

Milestone title  
Year 1 Stakeholder Engagement

Description

Stakeholders actively engaged in reviewing first round of data, digital twin, and comprehensive risk and consequence reporting to form the basis of increased resilience. Stakeholders can update or create disaster recovery or resilience plans, and develop further capability and awareness.

Estimated start date

01/12/2022

Estimated end date

31/03/2023

Milestone title  
Year 2 Data Available

Description

Year 2 data available for stakeholder engagement: Community data conflated with updated public domain data: BOM, disaster centres, power, water, sewerage, communications, roads.

Estimated start date

01/12/2023

Estimated end date

31/03/2024

Milestone title

Year 2 Stakeholder Engagement

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Description

Stakeholders actively engaged in reviewing second round of data, digital twin, and comprehensive risk and consequence reporting to form the basis of increased resilience. Stakeholders can update or create disaster recovery or resilience plans, and develop further capability and awareness.

Estimated start date

1/12/2023

Estimated end date

31/03/2024

Milestone title

Year 3 Data Available

Description

Year 3 data available for stakeholder engagement: Business data conflated with updated community, public domain data: BOM, disaster centres, power, water, sewerage, communications, roads.

Estimated start date

01/10/2024

Estimated end date

31/12/2024

Milestone title

Year 3 Stakeholder Engagement

Description

Stakeholders actively engaged in reviewing third round of data, digital twin, and comprehensive risk and consequence reporting to form the basis of increased resilience. Stakeholders can update or create disaster recovery or resilience plans, and develop further capability and awareness.

Estimated start date

01/10/2024

Estimated end date

31/12/2024

Milestone title

Project Closeout and Benefits Realisation

Description

Formal project closure, including benefits realisation reporting and plans, stakeholder engagement success, future opportunities, lessons logged etc.

Estimated start date

1/1/2025

Estimated end date

31/03/2025

## Project location

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### Project Site 1

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134-136 Main Rd  
MOONAH TAS 7009  
Australia

Estimated % of project value expected to be undertaken at site  
100

## Project geolocation

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A [mapping tool](#) is available to assist you in determining the location of your project. The latitude and longitude must be in numeric format. You must provide a geolocation for each project location entered above.

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Document 1

Project site number

Enter the project site number from the section above

1

Project site address latitude

The latitude must be expressed in numeric format (including the negative symbol). For example, the latitude of Alice Springs is -23.6980.

-42.84515

Project site address longitude

The longitude must be expressed in numeric format. For example, the longitude of Alice Springs is 133.8807.

147.29313

## Disclosure of financial penalties

Have any of your board members, management or persons of authority been subject to any pecuniary penalty, whether civil, criminal or administrative, imposed by a Commonwealth, state, or territory court or a Commonwealth, state, or territory entity?  
No

## Project budget

Provide a summary of your eligible project expenditure over the life of the project.

If you are registered for GST, enter the GST exclusive amount. If you are not registered for GST, enter the GST inclusive amount. We only provide grant funding based on eligible expenditure. Refer to the grant opportunity guidelines for guidance on eligible expenditure.

The minimum project expenditure for this grant opportunity is \$20,000.

If your application is successful, we may ask you to verify the project budget that you provided in your application when we negotiate your grant agreement. You may need to provide evidence such as quotes for major costs.

## Project budget summary

Type of expenditure	Head of expenditure	Financial Year	Costs
Project expenditure			\$2,572,000
	Equipment/ Materials (purchase or hire)		s47G
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Labour		
		2021/22	
		2022/23	
		2023/24	
		2024/25	

Type of expenditure	Head of expenditure	Financial Year	Costs
NEMA FOI 2526-09		2025/26	s47G
	Labour on-costs		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Contract (including expert advice)		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Workshops, conferences and events		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Domestic travel		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Approvals - Planning, environment or regulatory		
		2021/22	
		2022/23	
		2023/24	
		2024/25	

Type of expenditure	Head of expenditure	Financial Year	Costs
<b>NEMA FOI 2526-09</b>		2025/26	<b>s47G</b>
	Staff training		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Contingency costs (up to 10% of total eligible project costs)		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Audit costs		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
		2025/26	
	Other eligible expenditure		\$0
		2021/22	\$0
		2022/23	\$0
		2023/24	\$0
		2024/25	\$0
		2025/26	\$0
Total project expenditure			\$2,572,000

Financial Year	Costs
2021/22	<b>s47G</b>
2022/23	
2023/24	

Financial Year	Costs
NEMA FOI 2526-09 2024/25	s47G
Total project expenditure	\$2,572,000

## Source of funding

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In this section you must provide details of how you will fund the project.

The total of all sources of funding should be equal to your total project expenditure in the section above. Sources of funding include:

- grant amount sought
- your contribution
- other contributions as allowed in the grant opportunity guidelines.

If your project will receive cash contributions from other sources, you must provide formal documentation confirming the cash contributions from those sources (e.g. state government) such as a commercial finance agreement or letter of offer later in this application.

### Grant amount sought

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Enter the grant amount sought. We will add GST to this where applicable.

The minimum grant amount under this grant opportunity is \$20,000. The maximum grant amount under this grant opportunity is \$10 million.

\$ 2,572,000

### Your contribution

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Enter your organisation name. In the description field, provide additional details. Indicate whether your contribution is sourced from cash flow, loans, equity etc.

You must enter '0' in the field where no contribution is being provided as both amount fields are mandatory. The visible zero is a display only.

### Other non-government contribution

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Enter the organisation name. In the description field, provide additional details.

If you have project partners we will ask you for their details later in the application. You must provide their name and their contribution here.

You must enter '0' in the field where no contribution is being provided as both amount fields are mandatory. The visible zero is a display only.

### Other non-Commonwealth government grants

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Enter the government organisation name. In the description field, provide additional details. Provide the name of the grant.

You must enter '0' in the field where no contribution is being provided as both amount fields are mandatory. The visible zero is a display only.

### Other Commonwealth Government grants

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Enter the government organisation name. In the description field, provide additional details. Provide the name of the grant.

You must enter '0' in the field where no contribution is being provided as both amount fields are mandatory. The visible zero is a display only.

## Assessment criteria

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We will assess your application based on the weighting given to each criterion and against the indicators listed beneath each criterion. We will only consider funding applications that score at least 60 per cent against each criterion, as these represent best value for money. **NEMA FOI 2526-09** **Document 1**

The amount of detail and supporting evidence you provide should be commensurate with the project size, complexity and grant amount requested. You should define, quantify and provide evidence to support your answers.

To support your responses you must include mandatory attachments later in the application.

## Assessment criterion 1

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Project alignment with policy intent (program objectives/outcomes) **(Score out of 50)**

You must demonstrate how your project:

- will support a community that is at increased risk of bushfire, tropical cyclone and/or flood due to climate change
- reduces the risk or increases the long term resilience of the community against disruption/disaster arising from bushfire, tropical cyclone and/or flood
- aligns with the objectives of the National Disaster Risk Reduction Framework.

**s47G**

The 110 Black Tuesday bushfires in 1967 were within a 56 km radius of Hobart. Since then, several deliberately lit and natural fires have taken lives, nature, timber reserves, buildings and homes, and farming infrastructure. Fuel build-up, strong winds, and hot air continues to heighten community risk.

The climate forecast for the priority LGAs shows with very high confidence that average temperatures will continue to increase in all seasons, with more hot days and warm spells, and fewer frosts. There will be less rainfall in spring (high confidence) and little change in winter rainfall with a tendency for decrease in summer. A harsher fire-weather climate in the future is projected with high confidence. The target LGAs are already experiencing rising temperatures, rapid drying of fire fuel, and lower humidity.

Our goals are the NRRRA Framework goals: to take action to reduce existing disaster risk; minimise creation of future disaster risk through decisions taken across all sectors; and equip decision-makers with the capabilities and information they need to reduce disaster risk and manage residual risk. We will target the framework priorities: Understand disaster risk (through new and enhanced data and analysis), Accountable decisions (locally developed strategies with our facilitation and expertise), Enhanced investment (targeting areas described by our modelling), and Governance, ownership, and responsibility (through local leadership, programs, and resilience plans).

The NRRRA states "Across all sectors, there is an urgent and growing demand for trusted and authoritative disaster risk information and services to inform operational and strategic decisions. This information must be matched by investments in the capabilities and technology required to meet these demands. Disaster risk can be unintentionally created or exacerbated when decisions are made without understanding future consequences, including climate change impacts." "...much existing data relates to historical natural hazard patterns and while useful, it cannot be relied on as a sole predictor of future risk."

Our goal is long-term resilience, rather than reactive or narrow low-return activity. We want to bring powerful data, analytics, and modelling to the table in these communities and work with Councils and key organisations to renew their energy towards long-term contiguous strategies that work. **s47G**

This project will provide the first comprehensive engineering-grade "Digital Twin" of the natural and built environment across these LGAs. This will present compelling new temporal information – a single source of the truth of democratised data across sectors, to measurably improve resilience plans and investments.

The target LGAs will be part of the advancement of disaster mitigation technology on the ground in Tasmania. They will develop new expertise and explore solutions in unprecedented ways: solutions to challenges yet to emerge as our planet's environment continues to be impacted. New challenges will require new decisions informed by new information, learning, and continuously evolving knowledge. Our information will enable new thinking for understanding risk and consequence, planning, surviving, and returning to (better) normal. The target communities will have the opportunity for new conversations about resilience, for immediately actionable initiatives and longer-term prevention, planning, and preparation. This should draw the different essential community organisations together to strengthen social networks and align their contributions to plans and restoration efforts. The new information provided by this project will very differently inform current and emerging community disaster recovery plans. Our data will show potential and possible impacts geospatially to enable planning to recover socially and commercially as safely and as quickly as possible, by physical location. The natural environment in the target LGAs will have increased resilience based on the unprecedented aerial scan and data modelling. This will be conflated with flood and fire risk modelling data, and new technology applications developed. Decisions and strategies can then be based on this new modelling from new and existing applications.

## Assessment criterion 2

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Capacity, capability and resources to deliver the project **(Score out of 30)**

You must demonstrate this by:

- proving your track record, and your project partner/s track record (if you have project partners), to successfully manage and deliver similar projects (including project budget and scale)
- outlining your plan for managing the project, including implementation methodology, timeframes, risk management (including mitigation of risks associated with the current COVID-19 pandemic), and maintaining the benefits of your project beyond the program funding.

A project plan must be attached later in the form for projects with a grant amount over \$100,000 (refer to section 8.1 in guidelines for guidance).

Project lead Enzen is a global knowledge enterprise with deep domain expertise, innovative technologies, and collaboration with the best and brightest people. Our three main areas of focus are Digitalisation, Decentralisation and Decarbonisation.

We have consistently demonstrated our project leadership and our digital, utility, analytical capability, and organisational engagement ability in Australia.

Example project 1

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Example project 2

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Enzen's Project Management Plan is attached. Our methods and resource capacity and expertise will be drawn from our teams, our partners, and our proven suppliers, providing the best possible people for this project. Project Management is one of Enzen's core competencies. Our best and brightest people will work directly with Tasmanian communities to bring our technology, data, analysis, and planning capability to the local level for future-ready resilience.

Our plan is to exploit and augment our globally unique digital environment of Tasmania within the target LGAs. We will collaborate and share this information locally to enable and lead new and improved resilience planning, awareness and capacity, and response to disaster.

### Assessment criterion 3

Community support and broader public benefit **(Score out of 20)**

You must demonstrate this by identifying:

- evidence of community support for your project, including any contributions to the project
- the broader public benefits that your project will deliver for the region and community, including how the project supports the needs of group(s) within communities who are at greater risk.

SUPPORT

Enzen and partner 42-24 have been working with key Tasmanian stakeholders for several years on the development of our projects and we are consolidating this engagement with this proposal. Project partner 42-24's main office is in Moonah and their regional Tasmanian teams in three locations have well established relationships with local stakeholders and local, interstate and overseas industry service providers and manufacturers.

This application has tangible community leader support:

s47G

In these letters and commitments of support, councils, utilities, businesses, and other stakeholders have committed resources and time to collaborate with us to identify opportunities and drive benefits.

NEMA FOI 2526-09

Document 1

Between 1900 and 2015, 4555 people died from extreme heat in Australia: five times the fatalities from bushfires. The 2019-20 Black Summer bushfires were unprecedented in terms of scale and damage. During the fires, 33 people died, over 3,000 homes were destroyed, 24 million hectares of land were burnt, and (est) three billion animals were killed or displaced. An estimated 400 people died from the effects of toxic smoke. The financial impact is estimated to be over \$10 billion.

The insurance industry paid out \$5.3bn for damage caused by bushfire, flood, and hailstorms during the first quarter of 2020. If we do not make a difference, general insurance might become unaffordable or unavailable in parts of Tasmania. This might have a domino and negative effect on investment confidence, credit, community disaster recovery times, demand on social support networks, and the financial burden on Governments and taxpayers.

Climate Change Australia reports that all of Tasmania has warmed since 1910, annual average rainfall has decreased since 1900, and the number of days with dangerous weather conditions for bushfires has increased across the region. Further, Tasmania will continue to get hotter into the future, and can expect longer fire seasons with around 40% more very high fire danger days. Sea levels are projected to rise by around 26 cm along the Tasmania coast, and extreme rain events in Tasmania are projected to become more intense.

The possible consequences of disasters for these communities and vulnerable people would include loss of power, water, homes, local services, shopping for essentials, and everything Australia witnessed in the "Black Summer" bushfires in 2019-20.

Our project will provide unprecedented opportunities to mitigate similar catastrophe in Tasmania, by providing and democratising extensive data and a virtual model of the natural and built environment. This data could be further conflated with existing and future data sets: this is not a one-off solution, but one for the future.

The National Recovery and Resilience Agency recently clearly expressed a strong desire to Enzen for new, extended, reliable data for prediction, planning, and recovery. These Tasmanian LGAs will know, and be able to visualise their environments, and use the powerful year-to-year data from our modelling and our sensing network.

This proposed project will not just provide the opportunity for increased resilience from local government, but from industry and commerce as well. Industrial and commercial awareness and planning is critical to a more holistic approach to community resilience.

This Project may well trigger future projects for stronger community alignment and disaster infrastructure such as Disaster and Recovery Community Centres.

Our Project Management Plan includes a Stakeholder Engagement Plan and Communications Plan aligned to global project management standards, including the Project Management Body of Knowledge (PMBOK®), and contemporary change management approaches.

The project team will detail our engagement and communication plans during the Initiation Phase using specific instruments, and then actively maintain our engagement with the target communities. Our Communications Plans are updated regularly according to emerging needs and stakeholder analysis.

## Assessment criterion 4

---

Priority locations

### **Score out of 20**

Applications for projects that address the hazard risks in the selected LGAs identified in Appendix A of the guidelines will be awarded an additional 20 points. You can only receive a maximum of 20 additional points per application.

## Project partners

---

Provide details about all project partners.

You must have a formal arrangement in place with all parties prior to execution of the grant agreement.

See section 8.3 in the guidelines for further details about joint applications.

If you do not have project partners, press Save and continue to move to the next page.

## Project partners

---

FORTYTWO24 PTY LTD

---

Is the project partner a trustee on behalf of a trust?

No

Does the project partner have an ABN?

Yes

## Project partner details

---

52117987925

Legal name  
NEMA FOI 2526-09  
FORTYTWO24 PTY LTD

Document 1

Business name  
FORTYTWO24 PTY LTD

Date of registration  
9/05/2018

GST Registered  
Yes

Is the project partner charity registered with the Australian Charities and Not-for-profits Commission (ACNC)?  
No

Is the project partner a not-for-profit?  
No

## Project partner street address

---

Is the address located in Australia?  
Yes

Address Details  
134-136 Main Rd  
MOONAH TAS 7009  
Australia

## Project partner postal address

---

Is the address located in Australia?  
Yes

Address Details  
134-136 Main Rd  
MOONAH TAS 7009  
Australia

## Bank account details

---

If your application is successful we will need to set up a payment process to pay your grant. We need your bank account details to do this. If your application is not successful we will not process these details.

We can only pay grant funding to the applicant organisation, who if successful will be party to a grant agreement with the Commonwealth. You must provide bank account details for this organisation.

## Account details

---

Account name

s47G

BSB

s47

Account number

s47G

## Payment contact

---

We will send the payment remittance advice to this person. All other notifications are sent to the primary contact whose details you provide on the last page of this application.

Given name

s2

Family name

s

Email address

s22 @enzen.com

## Application finalisation

---

### Conflict of interest

---

Do you have any perceived or existing conflicts of interest to declare?

Refer to the grant opportunity guidelines for further information on your conflict of interest responsibilities.

No

### Program feedback

---

How did you hear about this grant opportunity?

Direct mail/email

### Additional information

---

You should attach any additional supporting documentation here. You should only attach documents that we have requested or you have referred to in your application.

Project plan (if applicable)

You must attach a project plan outlining all the project activities including a timetable in support of assessment criterion 2 (for projects with a grant amount over \$100,000).

2 MB Enzen PMP V1.pdf

Evidence of how you will provide your share of the project costs (if applicable)

For infrastructure projects with eligible project expenditure over \$100,000 only. For your own cash/in-kind contribution to the project use the Accountant Declaration form available on [business.gov.au](http://business.gov.au) and GrantConnect. For contributions from other sources, you must provide formal documentation confirming the contributions. Refer to the guidelines for more information.

Evidence of incorporated association or not for profit organisation (if applicable)

Where you have indicated you are applying as an incorporated association or not for profit organisation, you must demonstrate your entity status through one of the documents provided in section 5.1 of the guidelines.

Trust documents (if applicable)

Where you have indicated your entity type is a trustee applying on behalf of a trust, you must attach trust documents showing the relationship of the incorporated trustee to the trust.

Supporting documents

If we have asked you to provide additional documents you should attach them here.

42 24 Support Letter PACG[2].pdf

### Primary contact

---

Title

Mr

Given Name

[REDACTED]

Family Name

[REDACTED]

Position Title

Director Smart Energy

Email Address

[REDACTED]@enzen.com

Phone Number

[REDACTED]

Mobile Number

[REDACTED]

Business postal address of the primary contact

Is the address located in Australia?

Yes

NEMA FOI 2526-09

Document 1

Address Details

1 King William St

ADELAIDE SA 5000

Australia

## Declaration

---

### Applicant declaration – WWC

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#### Privacy and confidentiality provisions

---

I acknowledge that this is an Australian Government program and that the Department of Industry, Science, Energy and Resources (the department) will use the information I provide in accordance with the following:

- Australian Government Public Data Policy Statement
- Commonwealth Grants Rules and Guidelines
- grant opportunity guidelines
- applicable Australian laws.

Accordingly, I understand that the department may share my personal information provided in this application within this department and other government agencies:

- a. for purposes directly related to administering the program, including governance, research and the distribution of funds to successful applicants
- b. to facilitate research, assessment, monitoring and analysis of other programs and activities

unless otherwise prohibited by law.

I understand that where I am successful in obtaining a grant, the financial information that I provide for the purposes of payment will be accessible to departmental staff to enable payments to be made through the department's accounts payable software system.

I understand that information that is deemed 'confidential' in accordance with the grant opportunity guidelines may also be shared for a relevant Commonwealth purpose.

The department will publish information on individual grants in the public domain, including on the department's website, unless otherwise prohibited by law.

### Applicant declaration

---

I declare that I have read and understood the grant opportunity guidelines, including the privacy, confidentiality and disclosure provisions.

I declare that the proposed project outlined in this application and any associated expenditure has been endorsed by the applicant's board/management committee or person with authority to commit the applicant to this project.

I declare that the applicant will comply with, and require that its subcontractors and independent contractors comply with, all applicable laws.

I declare that the information contained in this application together with any statement provided is, to the best of my knowledge, accurate, complete and not misleading and that I understand that giving of false or misleading information is a serious offence under the **Criminal Code Act 1995** (Cth).

I acknowledge that I may be requested to provide further clarification or documentation to verify the information supplied in this form and that the department may, during the application process, consult with other government agencies, including state and territory government agencies, about the applicant's claims and may also engage external technical or financial advisors to advise on information provided in the application.

I agree to participate in the periodic evaluation of the services undertaken by the department.

I approve the information in this application being communicated to the department in electronic form.

I understand that the applicant is responsible for ensuring that it has met relevant state or territory legislation obligations related to working with children, and that any person that has direct, unsupervised contact with children as part of a project under this grant opportunity, has undertaken and passed, a working with children check, if required under relevant state or territory legislation. The applicant is also responsible for assessing the suitability of people engaged on this project to ensure children are kept safe.

I acknowledge that if the department is satisfied that any statement made in an application is incorrect, incomplete, false or misleading the department may, at its absolute discretion, take appropriate action. I note such action may include excluding an application from further consideration; withdrawing an offer of funding; using the information contained in the application for a fraud investigation that would be consistent with the Australian Government's Investigations Standards and Commonwealth Fraud Control Framework and/or for a grant under management, terminating a grant agreement between the Commonwealth and the grantee including recovering funds already paid.

I declare that I am authorised to submit this form on behalf of the applicant and acknowledge that this is the equivalent of signing this application.

By checking this box I agree to all of the above declarations and confirm all of the above statements to be true  
Yes





# Disaster Smart

## Tasmanian Communities

### Project Management Plan

Author: s22 [redacted] | s22 [redacted]

Version: 1 | Pre-Initiation

Revision:

# 1. Document Information

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## Key Accountabilities

<p><b>Business Owner and Sponsor:</b> Accountable for project success and outcomes, provides resources and enables the project at senior level.</p>	<p>s22 : Director Smart Energy</p>
<p><b>Project Manager:</b> Assigned to lead the team and be responsible for achieving the project objectives.</p>	<p>TBA - Experienced Enzen Project Manager</p>

## Version Control

This document is subject to Project version control.

Project Manager	Sponsor		
Recommended	Approved		
/ / 22	/ / 22		

## 2. Staying well during COVID-19

Enzen has developed and deployed a comprehensive response to COVID-19 that is continuously maintained to ensure the well-being of our people, our clients, and the public. Specific actions include:

- Implementing a working from home policy for more than 90% of our staff and closing offices across locations by following the relevant health directive of the various offices.
- Detailed *Do's and Don'ts* instructions, training, and checklist, including personal and workspace hygiene / cleaning instructions, system identification and when to get tested, location and contact details of appropriate medical services.

This information is a core component of our induction and continuing employee communications.

We utilise policy, processes, and technology to stay safe. This includes our comprehensive on-line toolset that includes Google's G-Suite for productivity and collaboration. Working remotely is not new to Enzen; we are a knowledge enterprise.

Enzen's passion for quality, collaboration, and customer service during lockdown has been recognised at a major UK industry awards event.

Our comprehensive COVID-19 Intranet home is available to all employees and contractors.

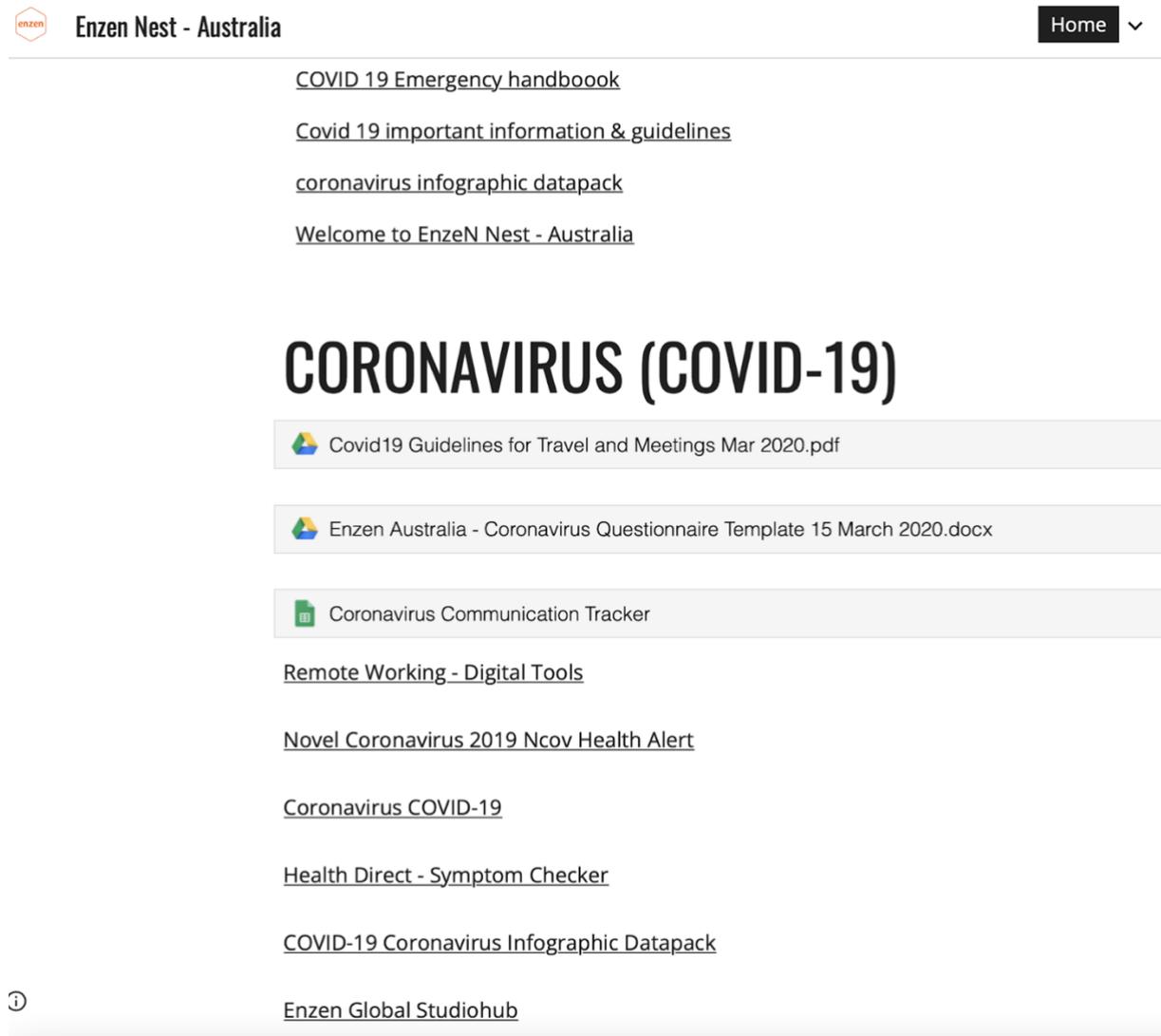


Figure 1: Enzen Australia: COVID Intranet Home

### 3. Document Purpose and Scope

This Project Management Plan (PMP) describes the approach for the successful execution of Disaster Smart Tasmanian Communities, a significant Enzen project with measurable community outcomes for Tasmania.

This document summarises each element of the PMP, with more detailed information is provided in the Attachments where required.

This plan includes definitions and terms adapted from PMBOK® Guide (the Project Management Body of Knowledge)<sup>1</sup>. Project Management planning documents subordinate to this PMP include:

Document	Check
The Project Schedule	<input type="checkbox"/>
Project Budget (Revenue and Cost)	<input type="checkbox"/>
Project Quality Plans	<input type="checkbox"/>
Project Communications Plan	<input type="checkbox"/>
Project Risk Management Plan	<input type="checkbox"/>
Project Stakeholder Management Plan	<input type="checkbox"/>

Project Management records and tools subordinate to this PMP will include:

Document	Check
Project Deliverables Register	<input type="checkbox"/>
Project Lessons Register	<input type="checkbox"/>
Project Priority Action Plan	<input type="checkbox"/>
Project Meeting Records	<input type="checkbox"/>
Contract Scopes of Work	<input type="checkbox"/>
Contracts for Project Services or Materials	<input type="checkbox"/>
Contract Management Plans	<input type="checkbox"/>

Related documentation include:

Document	Check
Enzen's PAC-LS Grant Application	<input type="checkbox"/>
PAC-LS Agreement	<input type="checkbox"/>

<sup>1</sup> An American National Standard, ANSI/PMI 99-001-2013, Project Management Institute, Inc.



s47G [Redacted text block]

### Our Values

Enzen's purpose is to make energy and water accessible, affordable, and sustainable to all. The firm collaborated across its business to define the values which are believed to make up the brand. These values are:

**Passion.** We believe in our purpose and are committed to achieving it by delivering on our promises.

**Integrity.** We believe in being honest, accountable, truthful, and sincere. For us, integrity is the foundation of strong relationships and positive impacts for all our stakeholders.

**Creativity.** We approach challenges with an open mind, encourage alternative thinking and understand that great ideas can come from anyone, anywhere.

**Knowledge.** We are always open to learning new skills, setting the standards, and building wisdom, then sharing and applying our learning to solve real-world problems.

**Excellence.** We consistently deliver positive outcomes by committing to continuous improvement and applying industry best practices, processes, and safe operating procedures.

**Respect.** We provide a safe and supportive environment where we treat everyone with equal respect, dignity, and empathy. All views and contributions are valued.



s47G

[Redacted text block]

## 5. Project Mission

### About this Project

Through this project, Enzen will develop a unique engineering grade digital twin of the natural and built environments s47G

Our Disaster SMART (Sense, Model, Analyse, Respond & Transform) Communities solution will provide a sophisticated deep-analysis platform that will deliver significant value against the NRRRA's eligible activity categories of Planning, and Awareness and Capacity.

An annual refresh of spatial data and situational intelligence using a tailored Internet of Things (IoT) will enable accurate time-comparative assessment of disaster risk and consequence.

Using this insight our disaster management experts will work with the targeted communities to improve disaster resiliency.

s47G

### Target Outcomes

The successful delivery of this project will directly serve the intended outcomes of the Preparing Australia Program for the s47G target LGAs, for Tasmania, and Australia, that is:

1. **Increasing disaster preparedness and resilience:** Using our engineering grade digital twin we will collaborate with our partners, stakeholders, and the communities to identify risk and quantify consequences for stakeholders to incorporate into disaster prevention, planning, response, and recovery. Using the temporal element of the digital twin we will measure compliance and improvement over time. Situational intelligence enabled by our IoT, and other data sources will ensure greater preparedness.

2. **Reducing the *time and cost of recovery following future disasters*:** By identifying and reducing the risk of fire starts and reducing the vulnerability of key strategic and high costs assets we will reduce the recovery time and cost. By working with businesses on their disaster and resiliency plans we can ensure that the cost to business is reduced, and people can get back to work earlier.
3. **Encouraging reductions in insurance premiums through reduction in disaster risks:** The intent is to ultimately see the target communities become more insurable with improved premiums and cover due to improved mitigation and planning.

The 110 bushfires on Black Tuesday in 1967 were within a 56 km radius of Hobart. Since then, several deliberately lit and natural fires have taken lives, nature, timber reserves, buildings and homes, and farming infrastructure. Fuel build-up, strong winds, and hot air will continue to present community risk and may exacerbate with climate change.

Australia has repeatedly seen the impact of fire, flood, and cyclone disasters directly on the impacted communities and well beyond those communities. Enzen, our Tasmanian partners, and our global network, have very specific and broad expertise and experience in disaster event modelling, prevention, mitigation, and response.

The people, the economy, and the natural and built environments in the LGAs will benefit measurably through significantly advanced information and tools for bushfire risk. They will have the ability and data to prepare for and mitigate major events, reduce the cost and time of recovery, and actively seek reduced improved insurance outcomes.

Our comprehensive “Digital Twin” of the natural and built environment will present compelling information for disaster risk analysis and mitigation.

During and at the conclusion of this project, the LGAs will be part of and engaged in the advancement of disaster mitigation technology on the ground in Tasmania. They will develop new expertise and explore solutions in unprecedented ways: solutions to problems that have significantly impacted on Tasmanian communities for many years and challenges yet to emerge as our planet’s environment continues to be impacted. New challenges will require new decisions informed by new information, learning, and continuously evolving knowledge. Our time-based and real time data will be the foundation for this information.

The target communities will have the opportunity for new conversations about resilience, in terms of immediately actionable initiatives and longer-term prevention, planning, and preparation. This should draw the different essential community organisations together to strengthen social networks and align their contributions to plans and restoration efforts. The new information provided by this project will very differently inform current and emerging community disaster recovery plans. Our data will show potential and possible impacts geospatially to enable planning to recover socially and commercially as safely and as quickly as possible, by physical location. For example, this recovery could be temporary in a safe location followed by full restoration.

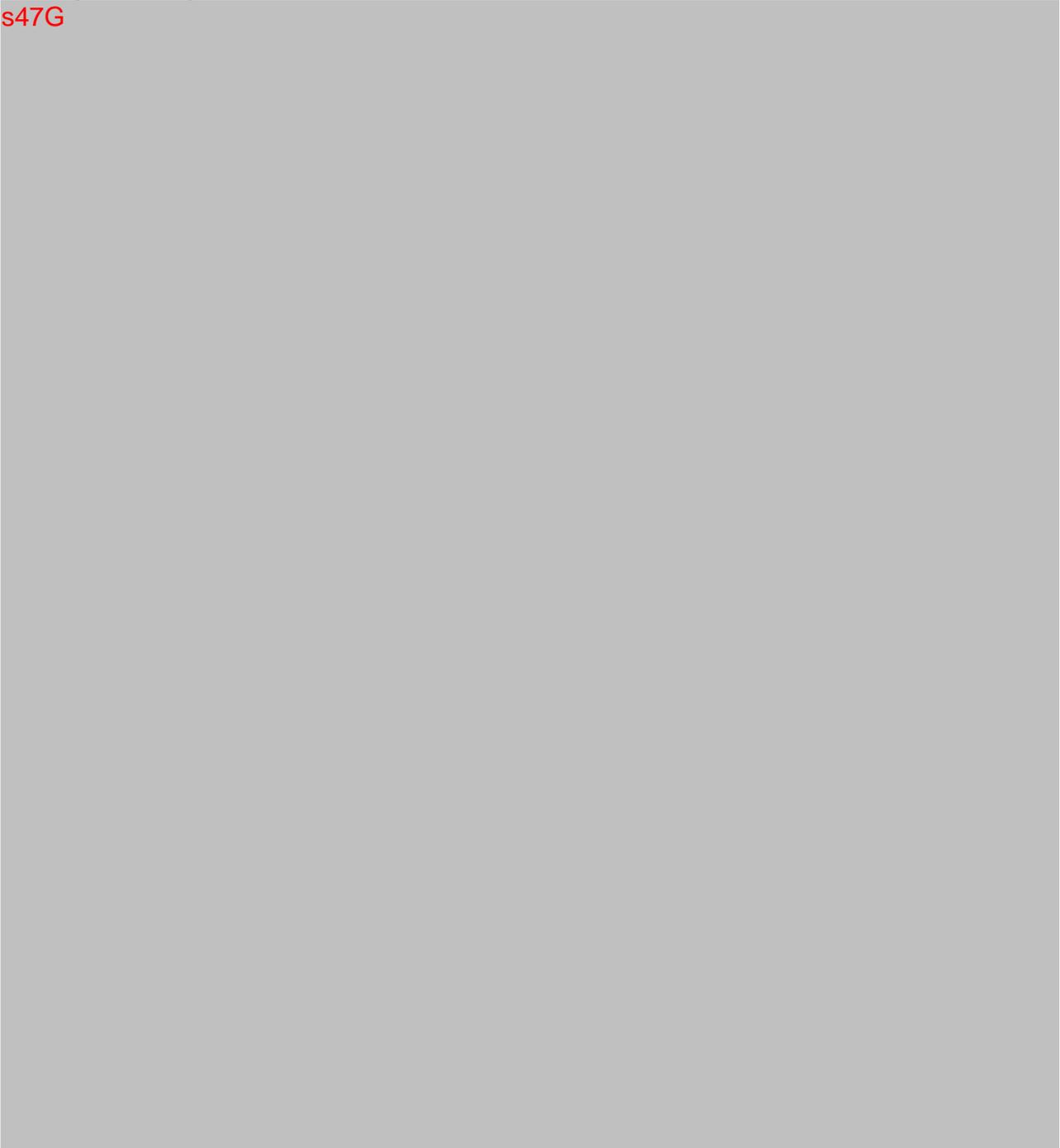
The natural environment in the target LGAs will have increased resilience based on the unprecedented aerial scan and data modelling. This will be conflated with flood and fire risk modelling data, and new technology applications developed. Decisions and strategies can then be based on this new modelling from new and existing applications.

These outcomes are scalable and largely reusable. The principles can be extended to other Tasmanian LGAs and to other critical risks or challenges. This is not one-off, but temporal with continuing application.

We will bring powerful temporal data, analytics, and modelling to the table in these communities and work with key organisations to renew their energy and efforts towards long-term strategies that work. Our goal is long-term resilience, not reactive or narrow low-return activity. Time-based comparative analysis is critical to ensuring the continuing relevance and usability of models and plans based on those models. As the natural and built environments evolve, so must the data, the modelling, and the strategies.

## Project Scope

s47G



## 6. Project Approach

Our Disaster SMART Communities project is unique and transformative. We will bring together domain knowledge, experience, technology, locational intelligence, partners, stakeholders, and beneficiaries to significantly advance the disaster resiliency of s47G NRRRA priority Tasmanian LGAs.

s47G [Redacted]

At its core our project is about enabling these local communities to improve resiliency through greater situational intelligence and actionable insights into disaster risk and consequence.

s47G [Redacted]

Our digital environment and initiatives will enable and drive disaster risk reduction that visibly benefits the target communities and Tasmania. This will reduce the potential impacts on people, society, the natural environment, community assets, and the burden of post-event recovery. We will integrate with community leaders and build unprecedented non-traditional capabilities for resilience to bushfire and flood.

s47G [Redacted]

Enzen Australia will lead the project planning and execution and focus relentlessly on benefits realisation and assuring the outcomes.

Our formal project partner is 42-24, part of TasNetworks, and a provider of premium telecommunications, information technology and data centre services, proudly delivered by a team of professionals throughout Tasmania.

We will:

1. Exploit our globally unique digital environment of Tasmania in the s47G target LGAs.
2. Augment our technology environment physically and digitally in those communities.
3. Advance our situational intelligence and toolset for increased risk measurement data.
4. Collaborate and share locally to enable and drive disaster risk reduction with measurable and visible benefits that extend beyond the immediate community.
5. Work with the community to develop resilience that includes risk forecasting and consequence modelling, risk strategies, event impact minimisation plans, and restoration strategies.

Our approach:

1. s47G [Redacted]

s47G

[Redacted text block containing approximately 12 lines of obscured content]

Our team is highly competent in the development of plans, prevention, mitigation, and disaster response. We will:

1. Provide the expertise and leadership to develop specific collaborative community-scale resilience strategies and initiatives.
2. Demonstrate how to use this information to develop and lead resilience and disaster risk mitigation.
3. Assist with specific local community investment or business case development and technical studies.
4. Build on the current LGA awareness and guide the development of future capacity.
5. Deliver a final project report on deliverables and outcomes, including benchmarked improvements in the physical resiliency of the target LGAs from project year 1 to year 3 using the temporal digital twin.

## 7. Project Team

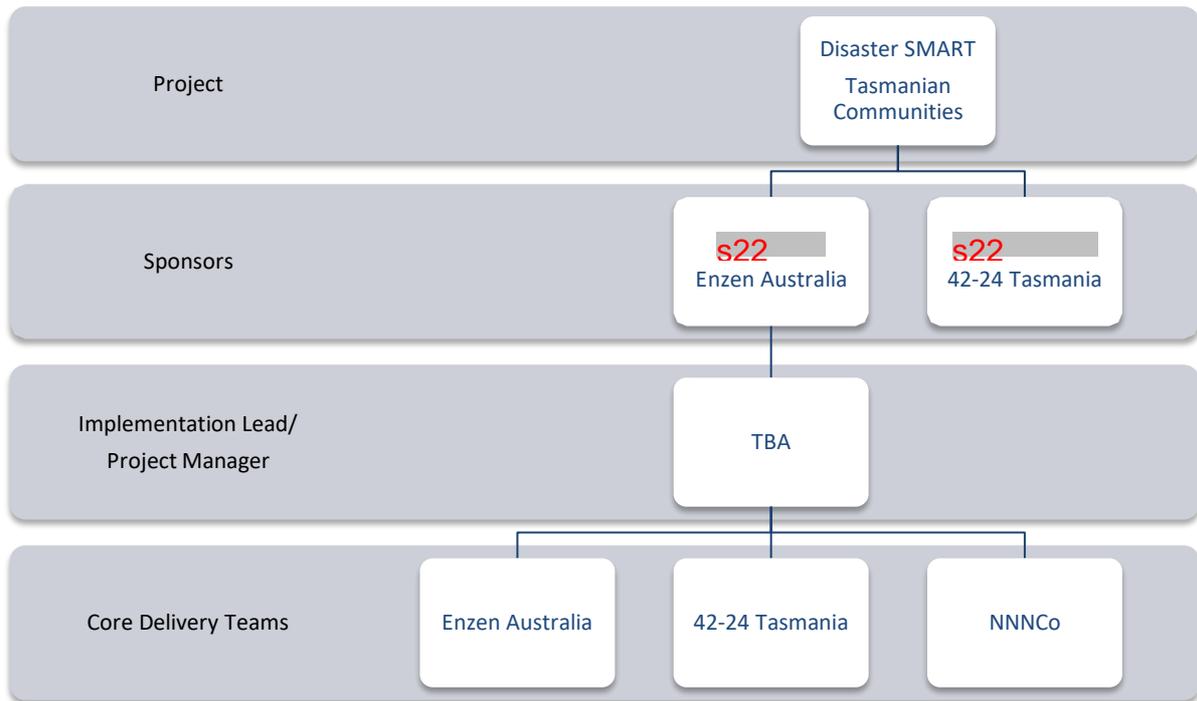
Enzen Australia will lead this project and assure the outcomes. Enzen will be accountable for Project Management, including cost, schedule, and resource control.

Enzen will partner with 42-24, part of TasNetworks, and a provider of premium telecommunications, information technology and data centre services, proudly delivered by a team of professionals throughout Tasmania.

The project may utilise NNCo for the provision of key technologies.

Refer to “About Enzen and our Partners” in this document for more information.

### Organisation



The Project Team will be supported by Enzen Australia’s corporate and project excellence teams, and our global network of people, knowledge, and technology.

Key People include:

#### Enzen

- s22 [redacted] Director Smart Energy
- s22 [redacted], Head of Digital Asset Management
- s22 [redacted], Head Execution Excellence

#### 42-24

- s22 [redacted], Technology Services Lead
- s22 [redacted], Leader

#### NNCo

- s22 [redacted] | CEO

## 8. Project Schedule

### Key Project Milestones

The key milestones identified prior to Project Initiation are:

	Milestone	Target Date
1	Project Initiation	May to June 2022
2	Stakeholder Engagement Planned	May to June 2022
3	Round 1 data: Public domain: BOM, disaster centres, power, water, sewerage, communications, roads	March 2023
4	Stakeholder Engagement Year 1	December 2022 to March 2023
5	Round 2 data: Focus on Community	March 2024
6	Stakeholder Engagement Year 2	December 2023 to March 2024
7	Round 3 data: Focus on Business	December 2024
8	Stakeholder Engagement Year 3	October 2024 to December 2024
9	Project Closure	March 2025

### Project Constraints

The following key constraints have been identified at Project Initiation. Detailed constraints will be identified and mitigated during Project Initiation.

Type	Constraint	Mitigation	Responsibility
Resources	Specifically skilled team required.	Enzen, 42-24, NNCo specialist resources committed to the project.	Sponsors
Scope	(This project) restricted to the target LGAs	Project control	P Mgr.
Time	Project full closure by March 2025	Project control	P Mgr.
Cost	Eligible expenditure only to be expended on the project and claimed.	Project control	P Mgr.
Risk	Technology results may be affected by poor weather and other conditions.	Project control Very effective planning and stakeholder engagement.	P Mgr.

### Project Dependencies

This project is dependent on the success of “Virtual Tasmania”: a project under a Special Purpose Vehicle jointly delivered by 42-24 (TasNetworks) and Enzen. Virtual Tasmania is designed and proposed to deliver the aerial digital acquisition of all of Tasmania’s natural and built environment and the development of a “digital twin” of these environments.

### Project Assumptions

The core assumptions at this phase are:

1. That the Grant Funding will be approved.
2. That Virtual Tasmania will proceed and that the data and digital twin will be available on time and of the required depth and quality to serve the target outcomes.

## Project Activity and Resources

s47G  
[Redacted]

s47G  
[Redacted]

## 9. Project Financial Management

### Project Funding

The Project Manager will ensure compliance with all funding arrangements in relation to the project, including required reporting and forms completion.

The specific funding requirements for this project are:

<insert funding requirements on signing the Agreement>

The Project Manager will issue progress claims through corporate processes when due.

The following funding is to be utilised by the project.

Funding	Target Date	Driver/ Trigger
Update in accordance with Grant Agreement		

### Project Cost

Cost management includes the processes required to ensure that the project is completed with the approved budget. Cost monitoring, forecasting, and reporting will be the primary responsibility of the Project Manager with support and services from the relevant corporate offices.

Costs will be reviewed and analysed monthly.

The Project Budget is summarised below and detailed in the Project Budget reporting.

### Budget Estimate Pre-Initiation

Project ID		Preparing Australian Communities   Virtual Tasmania				
Project: Manager		s22			as at :	5/1/ 22
Project Phase		Initiation	Year 1	Year 2	Year 3	
Budget Item	Vendor	21-22	22-23	23-24	24-25	Total
IoT Materials		s47G				
Subtotal: Materials		s47G				
High resolution LiDAR & Imagery data	Virtual TAS	s47G				
Satellite data	TBA	s47G				
	Virtual TAS	s47G				
IoT Augmentation Hardware Installation (Network & Devices)		s47G				
IoT Augmentation Software		s47G				

IoT Augmentation Software Installation					
IoT Augmentation Connectivity Fees					
IoT Augmentation Gateway Maintenance					
Subtotal: Contract		s47G			
Planning, environmental, regulatory approvals					
Staff training (non-labour): IoT, data integration, bushfire					
Financial Audit as required of the Agreement					
Workshops with Stakeholders (non-labour)					
Travel					
Subtotal:					
Staff training labour: IoT and data integration	Enzen				
Discovery Labour	Enzen				
Solution (Architecture and Operation) Design Labour	Enzen				
Third Party Data (BOM weather stations, STT) integration into Digital Twin	Enzen				
Internet of Things integration to Virtual TAS	Enzen				
Analysis and reporting x 7 priority councils	Enzen				
Disaster Risk and Consequence App Development	Enzen				
Stakeholder Engagement/ Benefits Realisation/ Awareness and Facilitation of knowledge for renewed local strategies	Enzen				
Subtotal: Labour					
Project Management	Enzen				
Total Labour					
Labour Oncost					
Subtotal all expenditure					
Risk					
Total Eligible Expenditure					
Total Expenditure					

**Budget as per Grant Application, by Head of Expenditure**

Project ID	Preparing Australian Communities   Virtual Tasmania		
Project: Manager	s22	as at:	5 January 2022
Type of expenditure	Head of expenditure	Financial Year	Cost
Project expenditure			\$
	Equipment/ Materials (purchase or hire)		\$
		2021/22	s47G
		2022/23	
		2023/24	
		2024/25	
	Total Equipment/ Materials		
	Labour		\$
		2021/22	
		2022/23	
		2023/24	
		2024/25	
	Total Labour		
	Labour on costs		
		2021/22	
		2022/23	
		2023/24	
		2024/25	
	Total Labour Oncosts		
	Contract (including expert advice)		\$
		2021/22	
		2022/23	
		2023/24	
		2024/25	
	Total Contract		
	Workshops / Conferences /Events		\$
		2021/22	
		2022/23	
		2023/24	
		2024/25	
	Total Workshops/ Conferences		
	Domestic Travel		\$
		2021/22	
		2022/23	
		2023/24	
		2024/25	
	Total Domestic Travel		
	Planning, Environmental or other regulatory approvals		\$

		2021/22		s47G
		2022/23		
		2023/24		
		2024/25		
	Total Reg Approvals			
	Staff Training		\$	
		2021/22		
		2022/23		
		2023/24		
		2024/25		
	Total Staff Training			
	Contingency at 2%		\$	
		2021/22		
		2022/23		
		2023/24		
		2024/25		
	Total Contingency			
	Financial auditing of project costs		\$	
		2021/22		
		2022/23		
		2023/24		
		2024/25		
	Total Financial Auditing			
	Other eligible expenditure		\$	
		2021/22		
		2022/23		
		2023/24		
		2024/25		
	Total Other			
	Total Project Expenditure		\$	
		2021/22		
		2022/23		
		2023/24		
		2024/25		
Total project expenditure				2572

## 10. Project Quality

### Overview

Enzen believes in process excellence and continuously invests in quality enhancement programs and set up corporate excellence teams to drive growth. As a prove of our adequate management and excellent corporate governance, we are certified with several international quality standards, such as:

Name	Description
CMMI Level 3	The CMMI helps organizations streamline process improvement and encourage behaviours that decrease risks in software, product, and service development
ISO 27001	ISO 27001 is a specification for an information security management system (a framework of policies and procedures that includes all legal, physical, and technical controls involved in an organisation's information risk management processes)
ISO 9001	International standard for a quality management system ("QMS")
ISO 14001	International standard that specifies requirements for an effective environmental management system (EMS)
ISO 18001	International standard for health and safety management systems

According to Enzen's ethical statement, the firm will conduct its business honestly and ethically wherever it operates in the world. The company will constantly improve the quality of its services, products and operations and will create a reputation for honesty, fairness, respect, responsibility, integrity, trust, and sound business judgement. No illegal or unethical conduct on the part of officers, directors, employees, or affiliates is in the company's best interest. Enzen will not compromise its principles for short-term advantage. The ethical performance of the company is the sum of ethics of the men and women who work in it. Thus, all employees are expected to adhere to high standards of personal integrity.

### Project Change Control Process

#### Scope Change Management

The Project Manager is accountable for project change control, and the Project Sponsors are accountable for approving Scope Change.

Scope Change will follow an assessment of risk change, business and stakeholder impacts, resource availability, costs, and funding.

No activity will commence on out-of-scope deliverables without explicit Sponsor approval.

## Project Documentation and Records

The Project Manager will ensure that Enzen's documentation policies, processes, and technology (including the Google G-Suite productivity and collaboration tools) are utilised for all controlled project documents.

## Project Management Plan Quality

All elements of the Project Management Plan will be subject to continuous review and improvement, using the following framework.

Project Element	Action	Frequency
Integration Management	Project Manager review Project Management Plan	As required, minimum monthly
Scope	Project Managers review to assure achievable and for alignment to target outcomes and benefits.	As required
Time	Project Manager update the Schedule Team formally reviews the schedule, adds progress, and adjusts planned activity.	Monthly
Cost	Project Manager review performance to date and forecast to complete. Team track and maintain days allocated to the project.	Monthly
Quality	Project team review the quality of project processes and results	Monthly
Human Resources	Project Manager and Sponsor adjust / add / remove positions Project Manager and Sponsor review the structure and its effectiveness	As required Quarterly
Communications	In accordance with Stakeholder and Communications Plan Project Manager and Sponsor review	Planned Monthly
Risk	Project Team review the Risk and Issues register, add progress, and adjust planned activity. Close where required.	Monthly formally.
Procurement	Project Manager and Sponsor review the prime contracts for continuing alignment and meeting commitments	Monthly
Stakeholder	Project Manager and Engagement Lead review and adjust focus and effort.	Monthly Ad-hoc as required on issues

## 11. Project Communication

There will be two separate streams of project communications and information dissemination, described below.

### Project performance and progress (status) reporting

The primary focus of this activity is to communicate the status, plans, and performance of the project. This will include information more related to project management than to organisational change management.

The following regular reports are scheduled:

Audience	Essential Communications	Timing
Sponsor	Project Performance Report of all project dimensions	<Monthly>
Sponsor	Project Snapshot	<weekly>
Sponsor	Issue Report	<As required>
	Ad-hoc Reports	

### Meetings

The following regular meetings are scheduled:

Meeting	Time & Frequency	Attendees
Daily Scrum	As scheduled by Project Manager	Scrum Team
Weekly Project Core Team review	As scheduled by Project Manager	
Sponsor Update and Check-in	Monthly	Project Manager and Sponsors

### Project Stakeholder Communications

The primary focus of this activity is to communicate with stakeholders to bring them on the project journey. This will include communications regarding changes, change impacts, deliverables or outputs going “live”, key milestones and their impact etc. This will include information more related to organisational change. Refer to the **Stakeholder Engagement section** of this plan for specific strategies.

## 12. Project Risk and Issue Management

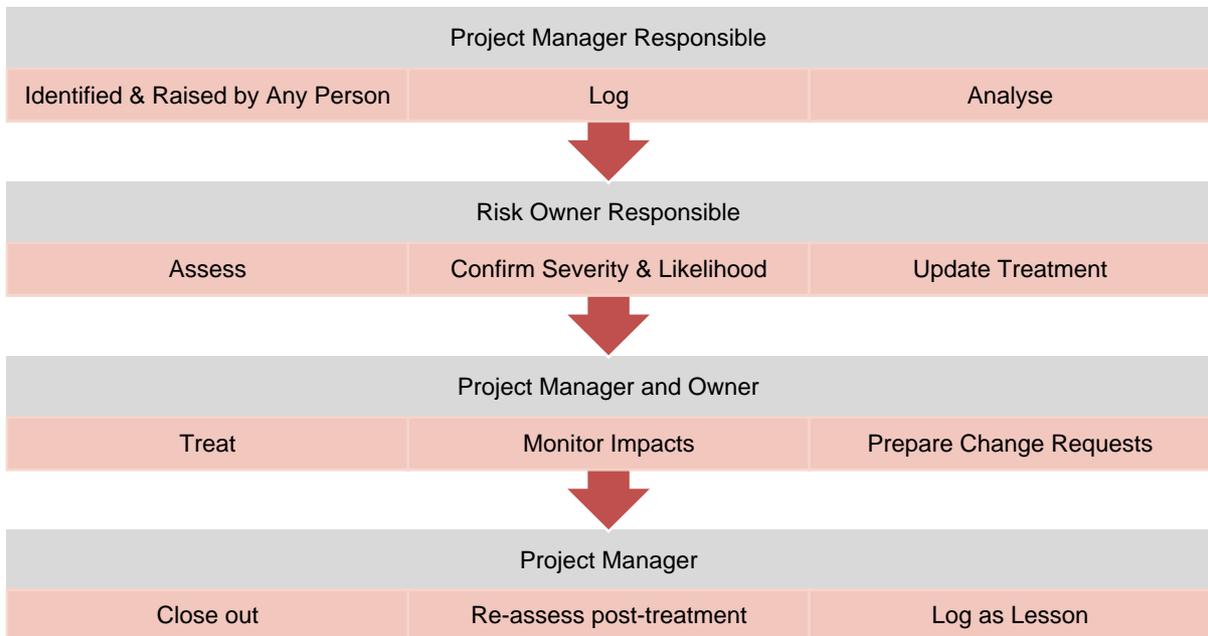
The project will employ the systematic process of identifying, analysing, and responding to project risks and issues. This includes maximising the probability and consequences of positive events and minimising the probability and consequences of events adverse to project objectives.

Project risk management consists of:

1. risk identification,
2. qualitative and quantitative risk analysis,
3. risk response planning, and
4. risk monitoring and control

### Risk Register

Project Risk is recorded and managed through the Project Risk Register, using the process shown below.



Risks and Issues identified at the Initiation Phase are shown below. A detailed project Risk Management Plan is developed in detailed Project Execution planning.

Risk	Impact	Mitigation
s47G		

### Current Issues

A project issue is a risk that has eventuated. It may or may not have been foreseen as a risk. It can also be a point or matter in question or in dispute, or a point or matter that is not settled and is under discussion or over which there are opposing views or disagreements.

Issues will be reported to the Sponsor using the template provided.

The following issues were active at project initiation.

Issue	Impact	Action
s47G		

### 13. Project Procurement

This includes the processes required to acquire materials, plant, or services to complete the project objectives.

All procurement and contracting will be in accordance with current corporate procedures and policies, under the control of the Project Manager.

All amendments, deletions, and additions to contract will be made through the formal operational processes of the relevant companies and through the Project Manager and Sponsor.

Changes to contracts will be made in alignment with Project impact assessments and change control. The Project manager will ensure continuing alignment of deliverables, activity, and resources.

#### Materials

The following critical or long lead-time equipment has been identified.

Item	Criticality	Possible or known Lead Time
<complete during Project Execution Planning in 2022>		
Sensing equipment		
Network Gateways		

#### External Services

The following critical or long lead-time services requirements have been identified.

Service	Criticality	Possible or known Lead Time
s47G	Essential to success	Forecast available August 2022
	Essential to success	Forecast available August 2022

## 14. Stakeholder Engagement

A stakeholder is an individual, group, or organisation who may affect, be affected by, or perceive itself to be affected by a decision, activity, or outcome of the project.

The primary focus of this activity is to communicate the intent and progress of project plans and activity in stakeholder impact terms, and to actively involve stakeholders in the activity and the outcomes.

Most stakeholder change communications will emanate from stakeholder input activity, inclusion, impact assessments, and broader stakeholder questions or issues.

Enzen or specific project communications channels and methods will be utilised. Specific project communications media will be developed only where it is agreed that there is no existing corporate arrangement.

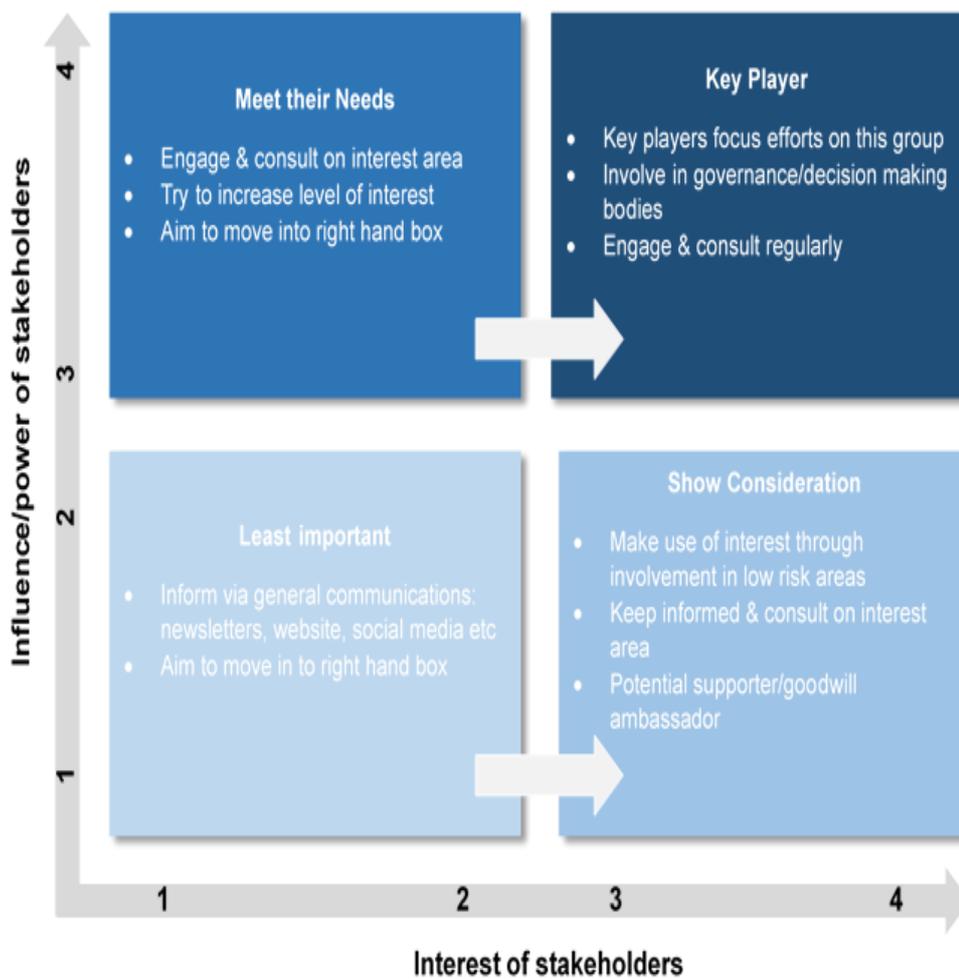


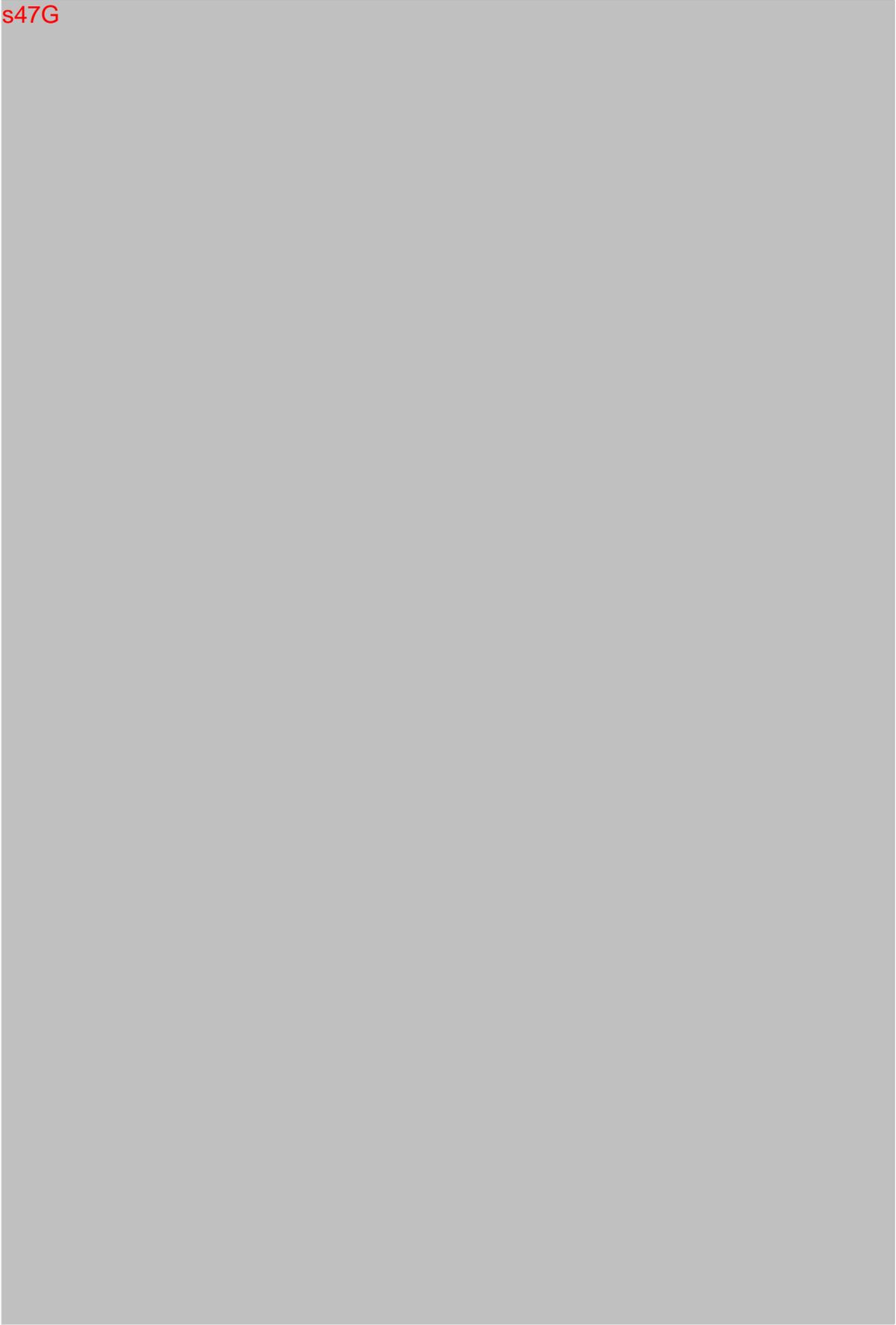
Figure 3: Project Stakeholder Engagement Matrix

The pre-project stages have revealed that the successful engagement, leadership, or inclusion of the following stakeholders is critical to project success.

Stakeholder	Interest/ Role / Authority	Approach
All	Beneficiaries	As per master schedule
s47G	Potential beneficiary, with improved resilience, planning, awareness, and capacity.	Key Player. Direct and continuous engagement.
	Potential beneficiary. Opportunity to share research activity and outcomes.	Direct and continuous engagement.
	Potential beneficiary.	Direct and continuous engagement.
	Potential beneficiary.	Key Player. Direct and continuous engagement.
	Potential beneficiary. Represent LGAs and arrange cross-stakeholder activity and outcomes.	Meet Needs, Inform. Direct and continuous engagement.
<b>Businesses</b> Select a representative sample in higher risk areas, to include in using the data and modelling.	Potential beneficiary	Key Player. Direct and continuous engagement.
s47G	Potential beneficiary.	Key Player. Direct and continuous engagement.
	Potential beneficiary.	Direct and continuous engagement.
	Potential beneficiary.	Direct and continuous engagement.
	Potential beneficiary.	Direct and continuous engagement.

Engagement commenced prior to grant application and project planning, primarily through Sponsor s22 and 42-24 representative s22. Some Councils and key stakeholders are committing to the project in writing, some verbally, and others are yet to formally commit as of January 2022. Active engagement will continue.

s47G



## 15. Appendix | Special Definitions

Disaster	A serious disruption of the functioning of a community or a society at any scale due to hazardous events interacting with conditions of exposure, vulnerability, and capacity, leading to one or more of the following: human, material, economic or environmental losses and impacts.
Disaster risk	The potential loss of life, injury, or destroyed or damaged assets caused by a disaster, which could occur to a system, society, or a community.
Disaster risk reduction	Disaster risk reduction is aimed at preventing new and reducing existing disaster risk and managing residual risk, all of which contribute to strengthening resilience and therefore to the achievement of sustainable development.
Groups within communities who are at greater risk	Including but not limited to: <ul style="list-style-type: none"> <li>● Aboriginal and Torres Strait Islander communities</li> <li>● Culturally and Linguistically Diverse (CALD) communities</li> <li>● migrant and refugee communities</li> <li>● people with a disability</li> <li>● LGBTQIA+ community</li> <li>● children and young people</li> <li>● the elderly</li> <li>● those experiencing homelessness, unemployment, or poverty.</li> </ul>
Local government agency or body	A local governing body as defined in the <i>Local Government (Financial Assistance) Act 1995</i> (Cth).  For the purposes of the program, we also consider the following organisations to be an Australian local government agency or body: <ul style="list-style-type: none"> <li>▪ Anangu Pitjantjatjara, Maralinga, Gerard, Nepabunna, and Yalata local governing bodies in South Australia</li> <li>▪ Cocos (Keeling) Islands Shire Council</li> <li>▪ Lord Howe Island Board</li> <li>▪ Norfolk Island Regional Council</li> <li>▪ The Outback Communities Authority</li> <li>▪ The Shire of Christmas Island</li> <li>▪ The Silverton and Tibooburra villages in New South Wales.</li> </ul>
Minister	The Commonwealth Minister for Emergency Management and National Recovery and Resilience
National Disaster Risk Reduction Framework	The National Disaster Risk Reduction Framework sets out the foundational work required nationally across all sectors, to reduce disaster risk, minimise new disaster risk, and deliver better climate and disaster risk information. The Framework is available at <a href="https://recovery.gov.au">recovery.gov.au</a>

<p>Natural hazard</p>	<p>A natural process or phenomenon that may cause loss of life, injury or other health impacts, property damage, social and economic disruption, or environmental degradation.</p>
<p>Personal information</p>	<p>Has the same meaning as in the <i>Privacy Act 1988</i> (Cth) which is:  <b>Information or an opinion about an identified individual, or an individual who is reasonably identifiable:</b>                      a. whether the information or opinion is true or not; and                      b. whether the information or opinion is recorded in a material form or not.</p>
<p>Resilience</p>	<p>The ability of a system, community or society exposed to hazards to resist, absorb, accommodate, adapt to, transform, and recover from the effects of a hazard in a timely and efficient manner, including through the preservation and restoration of its essential basic structures and functions through risk management.</p>

## 16. Appendix | Eligible Expenditure

This section is provided for preliminary guidance and must be updated upon Agreement execution.

### Eligible Expenditure

This section provides guidance on the eligibility of expenditure. We may update this guidance from time to time, so you should make sure you have the current version from the [business.gov.au](https://www.business.gov.au) website before preparing your application.

The Program Delegate makes the final decision on what is eligible expenditure and may give additional guidance on eligible expenditure if required.

To be eligible, expenditure must:

- be incurred by you within the project period
- be a direct cost of the project
- be incurred by you to undertake required project audit activities
- meet the eligible expenditure guidelines.

#### How we verify eligible expenditure

If your application is successful, we will ask you to verify the project budget that you provided in your application when we negotiate your grant agreement. You may need to provide evidence such as quotes for major costs.

The grant agreement will include details of the evidence you may need to provide when you achieve certain milestones in your project. This may include evidence related to eligible expenditure.

If requested, you will need to provide the agreed evidence along with your progress reports.

You must keep payment records of all eligible expenditure, and be able to explain how the costs relate to the agreed project activities. At any time, we may ask you to provide records of the expenditure you have paid. If you do not provide these records when requested, the expense may not qualify as eligible expenditure.

At the end of the project, you will be required to provide an independent financial audit of all eligible expenditure from the project.

#### Hired/leased plant

You must calculate eligible expenditure for hired, rented, or leased plant by the number of payment periods where you use the plant for the project multiplied by the period hiring fee. If you purchase plant under a hire purchase agreement, or you use a lease to finance the purchase of the plant, the cost of the item of plant, excluding interest, is capitalised, and then depreciated.

Running costs for hired or leased plant are eligible expenditure but you must be able to verify them. They may include items such as rent, light and power, and repairs and maintenance.

#### Labour expenditure

Eligible labour expenditure for the grant covers the direct labour costs of employees you directly employ on the core elements of the project. We consider a person an employee when you pay them a regular salary or wage, out of which you make regular tax instalment deductions.

We consider costs for project management activities eligible labour expenditure. However, we limit these costs to 10 percent of the total amount of eligible labour expenditure claimed.

We do not consider labour expenditure for leadership or administrative staff (such as CEOs, CFOs, accountants, and lawyers) as eligible expenditure, even if they are doing project management tasks.

Eligible salary expenditure includes an employee's total remuneration package as stated on their Pay As You Go (PAYG) Annual Payment Summary submitted to the ATO. We consider

Disaster Smart Tasmanian Communities | Project Management Plan

salary-sacrificed superannuation contributions as part of an employee's salary package if the amount is more than what the Superannuation Guarantee requires.

The maximum salary for an employee, director, or shareholder, including packaged components that you can claim through the grant is \$175,000 per financial year.

For periods of the project that do not make a full financial year, you must reduce the maximum salary amount you claim proportionally.

You can only claim eligible salary costs when an employee is working directly on agreed project activities during the agreed project period.

Labour on-costs and administrative overhead

You may increase eligible salary costs by an additional 30% allowance to cover on-costs such as employer paid superannuation, payroll tax, workers compensation insurance, and overheads such as office rent and the provision of computers.

You should calculate eligible salary costs using the formula below:

$$\text{Eligible salary costs} = \text{Annual salary package} \times \frac{\text{Weeks spent on project}}{52 \text{ weeks}} \times \text{percentage of time spent on project}$$

You cannot calculate labour costs by estimating the employee's worth. If you have not exchanged money (either by cash or bank transactions) we will not consider the cost eligible.

Evidence you will need to provide can include:

- details of all personnel working on the project, including name, title, function, time spent on the project and salary
- ATO payment summaries, pay slips and employment contracts.

Contract expenditure

Eligible contract expenditure is the cost of any agreed project activities that you contract others to do. These can include contracting:

- another organisation
- an individual who is not an employee, but engaged under a separate contract.

All contractors must have a written contract prior to starting any project work—for example, a formal agreement, letter, or purchase order which specifies:

- the nature of the work they perform
- the applicable fees, charges, and other costs payable.

Invoices from contractors must contain:

- a detailed description of the nature of the work
- the hours and hourly rates involved
- any specific plant expenses paid.

Invoices must directly relate to the agreed project, and the work must qualify as an eligible expense. The costs must also be reasonable and appropriate for the activities performed.

We will require evidence of contractor expenditure that may include:

- an exchange of letters (including email) setting out the terms and conditions of the proposed contract work
- purchase orders
- supply agreements
- invoices and payment documents.

You must ensure all project contractors keep a record of the costs of their work on the project. We may require you to provide a contractor's records of their costs of doing project work. If you cannot provide these records, the relevant contract expense may not qualify as eligible expenditure.

## Travel expenditure

### Eligible travel may include

- domestic travel limited to the reasonable cost of accommodation, transportation and food required to conduct agreed project and collaboration activities in Australia

Eligible air transportation is limited to the economy class fare for each sector travelled; where non-economy class air transport is used only the equivalent of an economy fare for that sector is eligible expenditure. Where non-economy class air transport is used, the grantee will require evidence showing what an economy air fare costs at the time of travel.

### Other eligible expenditure

Other eligible expenditures for the project may include:

- building modifications where you own the modified asset and the modification is required to undertake the project, for example installing a clean room. Modifications to leased buildings may be eligible. You must use the leased building for activities related to your project.
- staff training that directly supports the achievement of project outcomes
- financial auditing of project expenditure
- costs you incur in order to obtain planning, environmental or other regulatory approvals during the project period. However, associated fees paid to the Commonwealth, state, territory, and local governments are not eligible
- contingency costs up to a maximum of 10% of the eligible project costs. Note that we make payments based on actual costs incurred.

Other specific expenditures may be eligible as determined by the Program Delegate.

Evidence you need to supply can include supplier contracts, purchase orders, invoices, and supplier confirmation of payments.

## Ineligible expenditure

This section provides guidance on what we consider ineligible expenditure. We may update this guidance from time to time, so you should make sure you have the current version from the [business.gov.au](http://business.gov.au) website before preparing your application.

The Program Delegate may impose limitations or exclude expenditure, or further include some ineligible expenditure listed in these guidelines in a grant agreement or otherwise by notice to you.

Examples of ineligible expenditure include:

- research not directly supporting eligible activities
- activities, equipment or supplies that are already being supported through other sources
- costs incurred prior to us notifying you that the application is eligible and complete
- financing costs, including interest
- capital expenditure for the purchase of assets such as office furniture and equipment, motor vehicles, computers, printers, or photocopiers
- costs involved in the purchase or upgrade/hire of software (including user licences) and ICT hardware (unless it directly relates to the project)
- costs such as rental and utilities
- non-project-related staff training and development costs
- insurance costs (the participants must effect and maintain adequate insurance or similar coverage for any liability arising as a result of its participation in funded activities)
- debt financing
- costs related to obtaining resources used on the project, including interest on loans, job advertising and recruiting, and contract negotiations
- depreciation of plant and equipment beyond the life of the project
- maintenance costs
- costs of purchasing, leasing, depreciation of, or development of land opportunity costs relating to any production losses due to allocating resources to the agreed grant project
- costs of manufacturing production inputs
- routine operational expenses, including communications, accommodation, office computing facilities, printing and stationery, postage, legal and accounting fees, and bank charges
- costs related to preparing the grant application, preparing any project reports (except costs of independent audit reports we require) and preparing any project variation requests
- travel costs that exceed 10% of total project costs except where otherwise approved by the Program Delegate.

This list is not exhaustive and applies only to the expenditure of the grant funds. Other costs may be ineligible where we decide that they do not directly support the achievement of the planned outcomes for the project or that they are contrary to the objective of the program.

You must ensure you have adequate funds to meet the costs of any ineligible expenditure associated with the project.

# Application PACLS000202

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## Report summary

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### Report

End of project report

### Due date

31/7/2025

### Status

Pending Approval

### Submitted date

22/8/2025

### Submitted by

s22

### Report accepted date

26/8/2025

# Project achievements

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## Milestones

Complete the following table, updating all milestones shown in your grant agreement.

### 001 - Stakeholder Engagement Plan

**Description**

Detailed stakeholder engagement strategy to include communications and engagement approaches.

**Estimated end date**

11/7/2022

**Actual end date**

12/8/2022

**Current % complete**

100

**Progress comments**

Version 1 delivered, now a living plan.

**Agreed end date**

31/3/2025

**Previous % complete**

100

## 002 - Year 1 Data Available

### Description

Year 1 data available for stakeholder engagement: Public domain: Bureau of Meteorology, disaster centres, power, water, sewerage, communications and roads.

### Estimated end date

12/10/2023

### Actual end date

30/9/2023

### Current % complete

100

### Progress comments

Year 1 data is available. Visualisation of the spatial data is available through the Digital Reality Platform to the project team. Examples used at the Cross Sector Stakeholder Workshop 1 - Infrastructure.

### Agreed end date

31/3/2025

### Previous % complete

100

## 003 - Year 1 Stakeholder Engagement

### Description

Stakeholders actively engaged in reviewing first round of data, digital twin, and comprehensive risk and consequence reporting to form the basis of increased resilience. Stakeholders can update or create disaster recovery or resilience plans, and develop further capability and awareness.

### Estimated end date

12/10/2023

### Actual end date

30/9/2023

### Current % complete

100

### Progress comments

Cross sector stakeholder workshop held on the 28th September, 2023. There were 82 registered attendees from over 30 stakeholder entities and government department. All s47G councils covering the NEMA priority Local Government Areas attended. s potential use cases (including some duplication across working groups were identified by stakeholders.

### Agreed end date

31/3/2025

### Previous % complete

100

# 004 - Year 2 Data Available

## Description

Year 2 data available for stakeholder engagement: Community data conflated with updated public domain data: Bureau of Meteorology, disaster centres, power, water, sewerage, communications and roads.

## Estimated end date

## Actual end date

31/10/2024

## Current % complete

100

## Progress comments

The DSTC project has made a lot of progress this year. The IoT network build was completed, a number of IoT devices were deployed in the field, the data from the IoT devices has been made available to the DSTC stakeholders, s47G

The councils, state agencies and businesses have started to recognise the value that has been generated by the assets that have been made available to them as part of DSTC project and some of the data sets will become part of their day to day work before the end of next reporting period delivering meaningful outcomes for the Tasmania communities.

A major focus of the project in this reporting period has been on deployment of IoT devices in s LGAs.

The key achievements are:

1. Completion of the of large scale IoT LoRaWAN network build to provide connectivity across the s LGAs

2. s47G IoT devices have been deployed in the field. s47G

3. s47G

4. s47G

s47G [Redacted]

6. s47G [Redacted]

Agreed end date

31/3/2025

Previous % complete

100

# 005 - Year 2 Stakeholder Engagement

## Description

Stakeholders actively engaged in reviewing second round of data, digital twin, and comprehensive risk and consequence reporting to form the basis of increased resilience. Stakeholders can update or create disaster recovery or resilience plans, and develop further capability and awareness.

## Estimated end date

## Actual end date

7/11/2024

## Current % complete

100

## Progress comments

The project team worked hard to secure approvals from councils for the deployment of IoT devices. Although the IoT network and device costs including installation and maintenance costs have been covered by the project, the team needed support from councils to deploy the devices in a secure environment to prevent vandalism and also at locations where councils will benefit the most from the data. This approval process has been very different for each council and the project team was required to share a lot of information and documentation on installation location, how the devices will be installed, carry out WHS training as per council processes to access the installation sites and provide detailed as-built documents for council records. s47G

s47G

Another key achievement in this reporting period was the organisation of the second stakeholder workshop themed "Actionable Insights", which was held the 7th November. The workshop was well attended, and cross sector stakeholder engagement and collaboration were key features of the day. Key highlights were:

1. attendance of 38 different organisations and government agencies
2. a broad cross sector of speakers including Emergency Services Minister, the Hon Felix Ellis, Chris Irvine (State Emergency Services), s22 (Enzen), s22 (Enzen), s22 (Enzen), s22 (Virtual TAS), s22 (Virtual TAS), s22 (CEO TasNetworks & Chairman Virtual TAS), s22 (Sustainable Timber Tasmania) and s22 (RACT).

3. The Minister and CEO TasNetworks both made delivered strong messages on data, technology and improving what we measure.

Use cases that were covered included:

Document 3

1. Navigating the digital twin capabilities to improve resilience planning.
2. Vegetation risk management around critical power, water and telecommunications assets
3. Identification, mapping and risk management of fire tracks and breaks.
4. Identification and monitoring of high biomass fuel loads near high consequence areas.
5. Mapping, risk classification and monitoring of defensible bushfire zones around property (to reduce risk and put downward pressure on insurance).
6. Flood mapping and infrastructure impact

**Agreed end date**

31/3/2025

**Previous % complete**

100

# 006 - Year 3 Data Available

## Description

Year 3 data available for stakeholder engagement: Business data conflated with updated community, public domain data: BOM, disaster centres, power, water, sewerage, communications, roads.

## Estimated end date

## Actual end date

31/5/2025

## Current % complete

90

## Progress comments

Year 3 data capture commencement was delayed from October 2024 to January 2025 for the DSTC region. This capture has now been completed and the outputs are being made available through the platform to the stakeholders. This will allow year on year comparison capability and with 3 years of data being available there is an **s47G**

[Redacted content]

## Agreed end date

31/3/2025

## Previous % complete

0

## 007 - Year 3 Stakeholder Engagement

### Description

Stakeholders actively engaged in reviewing third round of data, digital twin, and comprehensive risk and consequence reporting to form the basis of increased resilience. Stakeholders can update or create disaster recovery or resilience plans, and develop further capability and awareness.

### Estimated end date

### Actual end date

31/5/2025

### Current % complete

90

### Progress comments

Year 3 stakeholder engagement is an ongoing activity and stakeholders are being supported by Enzen and Virtual Tas technical experts in making best use of Spatial and Situational datasets created through DSTC. 3rd workshop venue has been booked and the workshop is being planned in October 2025. We are engaged with multiple stakeholders to present at this workshop the learning and benefits they have derived from the DSTC outputs and how they have been able to improve their internal application including flood modelling, bush fire preparedness, access track mapping and management to name a few. We believe that sharing real stories from stakeholders that have already championed use of DSTC datasets in improving their disaster management planning will result in faster adoption of DSTC delivered capabilities by other stakeholders.

### Agreed end date

31/3/2025

### Previous % complete

0

# 008 - Project Closeout and Benefits Realisation

## Description

Formal project closure, including benefits realisation reporting and plans, stakeholder engagement success, future opportunities and lessons logged.

## Estimated end date

## Actual end date

31/5/2025

## Current % complete

100

## Progress comments

The following activities have been undertaken in this reporting period:

- LiDAR data has been provisioned for the use of s47G project to implement advanced modelling including flood models. They intend to use the data to provide improved information for their flood recovery programs. This will include informing restoration program of key obstructions and locations where flooding is attributable to weed infestation, debris accumulation and bank slumps. They will use this data to prioritise restoration works and identify potential risks for the stability of riverbanks and restoration works which will allow them to manage associated erosion. It is expected that this will reduce risk to community infrastructure at key locations and as work progresses the risk will reduce flood risk overall. Virtual Tas and Enzen resources are supporting s47G project team in analytics and usage of the dataset.

s47G

[Redacted text block containing multiple lines of greyed-out content]

## Agreed end date

31/3/2025

## Previous % complete

0

Where applicable, describe any project activities completed during the reporting period that are not captured in the table above.

With the rollout of the IoT devices in the region, s47G [redacted]  
[redacted]  
[redacted]  
[redacted]

s47G [redacted] has been included in DSTC stakeholders and data has been provided to s47G [redacted] project which is now intending to use the data to provide improved information for their flood resilience programs. This will include informing their mitigation program of key obstructions and locations where flooding is attributable to weed infestation, debris accumulation and bank slumps. Team will use this data to prioritise restoration works and identify potential risks for the stability of river banks and restoration works which will allow them to manage associated erosion. It is expected that this will reduce risk to

s47G [redacted]  
[redacted]  
[redacted]  
[redacted]

Describe any collaboration with other organisations in your LGA or other LGA/s to deliver your project and any use of local procurement of goods, labour and services.

The DSTC stakeholders are being supported by Enzen, Virtual Tas local resources and s47G [redacted] to ensure that stakeholders can make best use of the data set and are provided technical guidance including tools and support to analyse high density LiDAR datasets.

We are collaborating with TasNetworks on the development of s47G [redacted]  
[redacted]  
[redacted]  
[redacted]

Explain the ~~the~~ ~~community~~ support for your project and how you gained and maintained ~~community~~ support during the delivery of your project.

DSTC project has been focussed on LGAs, utilities, state governments, telcos, emergency services, insurers, academia and Tasmanian local technology vendors. The current stakeholder engagement register has over 300 stakeholders.

Although the DSTC does not have direct community engagement, the outputs created with different stakeholders as part of DSTC engagement are allowing councils, insurers and emergency services to have more informed conversations with the community.

The initial engagement with some stakeholders such as local government and emergency services was faced with some resistance as stakeholders were concerned that DSTC was providing disaster response solutions in parallel with their own operating systems. Engagements and commitment from the responsible minister for emergency services helped facilitate engagement. The alignment of the DSTC project to the state governments Disaster resilience strategy, particularly better evidence for collaboration was a key leverage point to improve support from stakeholders. The October 2024 workshop had 38 stakeholder groups represented and engagement and collaboration was strong. The statewide accurate and consistent spatial dataset and platform provided a foundation for better and trusted data that is accesible to all stakeholders and this is driving broader stakeholder and community support.

# Project outcomes

Outline the project outcomes achieved by the project end date.

DSTC project has achieved following outcomes that are aligned to the objectives that were part of the grant.

Stakeholders have been provided access to a digital twin of the natural and built environment presenting information for disaster risk analysis and mitigation. s47G

[Redacted text block]

[Redacted text block]

[Redacted text block]

DSTC has 300 plus stakeholders registered in the stakeholder register. Over last two years deeper engagement has been done with multiple stakeholders including s47G [Redacted] to name a few. The outputs created by DSTC project are being used by multiple agencies to inform current and emerging community disaster recovery plans.

It is important to note that the quality of plans depends on quality of the data on which the models and analytics has been implemented. With high quality datasets from DSTC project available for year on year comparison, these datasets are crating strong foundation for increased resilience informed by aerial scans, data modelling and IoT situational intelligence. All data outputs developed as part of DSTC project have been made available to the Commonwealth and any other key stakeholders (Terrain Models, Access to Twin, Access to IoT platform, etc).

In summary the outcomes of DSTC is better collaboration across market verticals and stakeholder groups using trusted data to improve disaster resilience, put downward pressure on insurance and reduce disaster recovery cost and time.

Do the achieved project outcomes align with those specified in the grant agreement? Document 3

Yes

Are there any planned events relating to the project that you are required to notify us about in accordance with your agreement?

Yes

**Provide details of the event including date, time, purpose of the event and key stakeholders expected to attend.**

DSTC stakeholders register has over 300 stakeholders and many of these attended the second workshop. A 3rd stakeholder engagement workshop has now been setup in October 2025 and will focus on stakeholder presenting how they have made use of the data in improving different applications and capabilities for disaster management and resilience. This approach to share how different agencies have used the outputs from DSTC project will help increasing the adoption of the program deliverable in other agencies and use cases.

**Explain how your project has reduced the hazard exposure or vulnerability of people and/or assets in your community to disasters.**

DSTC project had a strong focus on infrastructure resilience and outputs are directly impacting the hazards management around critical assets including Power Lines, Telco towers, water and wastewater infrastructure. Digital reality platform has provided capability for stakeholders to view the assets in a 3D environment to analyse vegetation intrusions and assess risks including mitigation plans. Derivative products like DEM, DTM are helping create more accurate flood models that are based on recent and high-resolution datasets improving predictions and planning activities. The IoT devices and sensors are also helping in improvement of the models by providing a real time visibility into environmental parameters in the local and proximity regions improving the accuracy of stakeholder flood models. A strong interest in the councils has been to understand and analyse the impact of microclimates in their region. With the deployment of close to **s** IoT devices that have spread across population boundaries (ABS SA2 structures) is allowing councils to get a better understanding of the microclimates and their impact on flood or fire events. These IoT devices that are deployed across **s** council regions are helping councils and BOM teams in their day to day analysis and the data is also feeding into advanced modelling. This is directly impacting the hazard exposure analysis and management for assets and communities.

**Explain how your project has reduced the likelihood and intensity of bushfires, flood and/or tropical cyclones in the community.**

The aim of DSTC project has been to create visibility and provide insights that can help various state agencies in their bushfires, flood and/or tropical cyclones and emergency preparedness. s47G

[Redacted]

This has now created a foundation that is helping various agencies in improving their internal products, forecast and planning which directly impacts communities and better preparedness feeds into reducing the risk and impact of bushfires or floods.

The annual LiDAR capture enables the assessment of forest fuel loads to inform relevant authorities on the allocation of resources to reduce bushfire risk and intensity. Because the risk is better evidenced and understood by agencies, we are reducing the likelihood of bushfires and floods.

**Describe how your project has increased community confidence in responding to future hazards.**

Although DSTC project does not focus on direct engagement with community, the project outputs are helping various agencies including councils, utilities, state emergency services and insurers to have better preparedness for disaster events and to have more informed conversation with the community to improve resilience.

The provision of temporal and realtime data that is accurate and consistent is helping build community confidence in identifying and treating current and emerging hazards. The ability to report improvements year on year and provide supporting evidence and visual validation is also building community confidence.

For projects assessing risk, vulnerability, adaptation options, investment/business case or technical feasibility, has your project improved or supported:

**Your understanding of risk to natural hazards in your community?**

Yes

**Your understanding of vulnerability to natural hazards in your community?**

Yes

**Your understanding of adaptation options for your community?**

Yes

**Development of an investor-ready business case?**

Yes

**A robust technical feasibility study?**

Yes

For projects increasing awareness and capacity:

**Has your project increased disaster risk, resilience and adaptation awareness?**

Yes

Has your ~~project~~ effectively built capacity in your community?

Document 3

Yes

If you delivered awareness raising activities, how many people did you reach?

350

If you provided training/capacity building exercises, how many participants were there?

100

For projects delivering built and or natural infrastructure:

Has your project reduced the risk of harm and damage caused by a hazard?

Yes

# Project benefits

---

**What are the broader benefits the project has achieved for the region and community?** Document 3

**Describe the economic, social, built environment and community resilience outcomes as relevant with examples.**

DSTC project has been a key enabler in establishing Tasmania as a leader in use and application of spatial and IoT data sets in solving critical problems impacting disaster management and resilience at scale. There are various outcomes achieved through the DSTC initiative that impact economic, social, built environment and community resilience. Some examples are shared below:

**Economic:**

=====

In the last 12 month alone, various natural hazards have caused multiple issues in Tasmania:

- As a result of severe weather event In Tasmania, 38 Telstra mobile sites went offline due to a loss of power, impacting mobile phone calls, texts, data, and some fixed-line services.
- Major water supply pipelines from TasWater were damaged by trees falling on them.
- As a result of dry lightning igniting more than a dozen fires in Tasmania’s west on February 3, an estimated 94,000 hectares of diverse wilderness has been burned. Some of the state’s — and the country’s — unique and delicate environments, including Takayna/Tarkine, Australia’s largest temperate rainforest, and parts of the Tasmanian Wilderness World Heritage Area have been burnt.
- Recent severe weather in Tasmania, including strong winds and heavy rainfall, has caused flash flooding in various areas, with the most recent event happening in early September 2024 leading to road closures, power outages, and property damage.

These disaster events put a lot of load on state emergency services, utilities and local governments. DSTC outputs are improving flood modelling (Multiple councils and state emergency services), vegetation analysis and management (TasWater, TasNetworks), identification/management and protection of high value forest assets (Sustainable Timbers) and improving resilience of critical infrastructure (Indara/Telcos) through a combination of IoT and Digital products.

This is reducing the potential economic impacts due to disaster events in the DSTC area.

**Social:**

=====

There has been a lot of work done with the insurers to identify opportunities, benefits and impact of DSTC datasets in the insurance space. Insurers (RACT) in Tasmania are working with councils to create awareness within the communities that resilience is a shared responsibility, reducing risk is everybody’s business and integrated action/inclusive engagement are required. This is preparing a foundation of evidence-based decision-making that can in long term provide benefits to the community in terms of reduced insurance costs and will also improve their resilience to disaster events.

**Built Environment:**

=====

DSTC has enabled a lot of opportunities in councils including flood modelling and access track improvements, land slip analysis with textured terrain models, tree canopy/height analytics and many more use cases. s47G



s47G [Redacted]

DSTC digital twin and platform enables visibility of fire and flood risks across infrastructure to drive more ubiquitous understanding and approach to disaster risk identification and mitigation.

Community resilience:  
=====

s47G [Redacted]

[Redacted] have helped state emergency services, councils and utilities in improving their flood models, vegetation management plans, bushfire access track mappings which are directly feeding into improved community resilience. With these agencies having access to high quality more frequently captured datasets including real time sensor data, it's improving their ability to better plan disaster management and resilience activities. Since they have access to same information through shared product outputs provisioned by DSTC, it is also improving cross agency collaborations which we will keep on building further in coming years.

**What ongoing impact will the project have for the community, including vulnerable people?**

**How will you ensure the long term sustainability of project outcomes beyond the term of grant funding?**

The grant has allowed us to build a strong foundation of data products and capabilities that have now been made available to all stakeholders. s47G [Redacted]

s47G [Redacted]

We are also constantly discussing with different agencies to see what are internal funding sources that are available to them that can help in continuing the services in long term beyond the grant phase. Important point to note is that grant has provided support to get the initial traction going and now the stakeholders have started realising the value that high resolution IoT and spatial datasets can bring to them. With this value established and applied to operational processes over next couple of years will make it easier for the agencies to allocate funding within the business ensuring long term sustainability of project outcomes beyond the term of grant funding.

s47G [Redacted]

DSTC has established Tasmania as a leader in use of spatial and IoT data sets in solving critical problems impacting disaster management and resilience at scale. The annual data capture for future years will be available through Virtual Tas s47G [Redacted].

**Did the project result in any unexpected benefits?**

No

Did the project result in any unexpected negative impacts?

Document 3

No

Is there any other information you wish to provide about your project?

No

### Have you identified any future activities that could be undertaken to further reduce natural hazards in the community?

Yes. The DSTC project has allowed creation of strong foundation of Digital and IoT assets that is allowing us to now expand the use cases to larger geography and more verticals. We have applied for the DRF grant funding to continue the work that has been done as part of DSTC and to expand it to new areas that can benefit diverse stakeholders. The focus in DRF will be do build production grade vertical specific applications for whole of Tasmania.

Tasmania experiences various natural disasters, including bushfires, floods, storms, and earthquakes, which can significantly impact communities, the economy, and the environment. Some of the main natural hazards Tasmania has to deal with are listed below:

- Bushfires: Tasmania's low humidity, temperate weather, and extensive forests make bushfires a prominent hazard, particularly for wilderness tourism.
- Floods: Flooding is a significant threat, with recent events causing major disruption and damage.
- Storms and Severe Weather: Storms and severe weather events, including high winds and heavy rainfall, can cause widespread damage and power outages.

In the last 12 month alone, these natural hazards have caused multiple issues in Tasmania:

- As a result of severe weather event In Tasmania, 38 Telstra mobile sites went offline due to a loss of power, impacting mobile phone calls, texts, data, and some fixed-line services.
- Major water supply pipelines from TasWater were damaged by trees falling on them.
- As a result of dry lightning igniting more than a dozen fires in Tasmania's west on February 3, an estimated 94,000 hectares of diverse wilderness has been burned. Some of the state's — and the country's — unique and delicate environments, including Takayna/Tarkine, Australia's largest temperate rainforest, and parts of the Tasmanian Wilderness World Heritage Area have been burnt.
- Recent severe weather in Tasmania, including strong winds and heavy rainfall, has caused flash flooding in various areas, with the most recent event happening in early September 2024 leading to road closures, power outages, and property damage.

Based on our engagement with multiple stakeholders in Tasmania as part of DSTC project.

- One theme that is consistent with all stakeholders is issues related to the impact of vegetations growth around the critical assets.
- Another issue that is consistent with all stakeholders in the need to have a global view of their assets and related issues. Typically, agencies are able to audit, manage and implement vegetation management plans for a subset of their assets in fixed periodic approach. This lack of visibility into state of all assets creates higher exposure to risk – especially fire and severe weather risks.
- Increasing insurance costs are a result of higher risk ratings in Tasmania. If the insurers are provided evidence of better management of the risk, there is an ability for businesses to save substantial insurance costs.

s47G

[Redacted content]

s47G [Redacted]

Document 3

[Redacted]

# Project expenditure

---

Provide the following information about your eligible project expenditure.

If you are registered for GST, enter the GST exclusive amount. If you are not registered for GST, enter the GST inclusive amount. We may ask you to provide evidence of costs incurred.

Refer to the grant opportunity guidelines or contact us if you have any questions about eligible expenditure.

As this is your final budget claim, your estimated total project expenditure in the last column will be the same as all expenditure claimed to date.

## Reporting period

31/5/2022 - 31/5/2025

Head of expenditure	Financial year	Agreed project budget	Expenditure approved prior to this reporting period	Expenditure claimed in this reporting period	Expenditure claimed to date	Estimated total project expenditure	
Approvals – Planning, environment or regulatory		s47G					
2021/22							
2022/23							
2023/24							
2024/25							
Audit costs							
2021/22							
2022/23							
2023/24							
2024/25							
Contingency costs (up to 10% of total eligible project costs)							
2021/22							
2022/23							
2023/24							
2024/25							
Contract (including expert advice)							
<b>Total</b>							<b>\$2,572,000</b>

Head of expenditure	Financial year	Agreed project budget	Expenditure approved prior to this reporting period	Expenditure claimed in this reporting period	Expenditure claimed to date	Estimated total project expenditure
		s47G				
	2021/22					
	2022/23					
	2023/24					
	2024/25					
	Domestic travel					
	2021/22					
	2022/23					
	2023/24					
	2024/25					
	Equipment/ Materials (purchase or hire)					
	2021/22					
	2022/23					
	2023/24					
	2024/25					
	Labour					
	2021/22					
	2022/23					
	2023/24					
	2024/25					
	<b>Total</b>	<b>\$2,572,000</b>				

Head of expenditure	Financial year	Agreed project budget	Expenditure approved prior to this reporting period	Expenditure claimed in this reporting period	Expenditure claimed to date	Estimated total project expenditure	
Labour on-costs		s47G					
2021/22							
2022/23							
2023/24							
2024/25							
Other eligible expenditure							
2021/22							
2022/23							
2023/24							
2024/25							
Staff training							
2021/22							
2022/23							
2023/24							
2024/25							
Workshops, conferences and events							
2021/22							
2022/23							
<b>Total</b>			<b>\$2,572,000</b>				

Head of expenditure	Financial year	Agreed project budget	Expenditure approved prior to this reporting period	Expenditure claimed in this reporting period	Expenditure claimed to date	Estimated total project expenditure
2023/24		s47G				
2024/25						
Total		\$2,572,000				

Was the expenditure incurred in accordance with the activity budget in the grant agreement? Document 3

Yes

## Project funding

---

Outline the sources of funding used to complete your project other than this grant.

For your own contribution, enter what your contribution would be in this period, if the expenditure is approved and you receive the anticipated grant.

If you are providing no contribution to your project you may leave this page blank.

### Report Period Start Date

31/5/2022

### Report Period End Date

31/5/2025

## Contributions

This Report contains no Contributions on which reporting is required.

**Other than the grant, was the project funded as outlined in the grant agreement?**

Yes

# Updated business indicators

Provide the following financial data for your organisation for your latest complete financial year.

We collect the following data from all beneficiaries across all programs. We use this data to better understand your organisation and to help us develop better policies and programs.

## Latest financial year figures

Has the grantee existed for a complete financial year?

Yes

Latest financial year completed

2024/25

Sales revenue (turnover)

s47G

Export revenue

s47G

R&D expenditure

s47G

Taxable income

s47G

Number of employees including working proprietors and salaried directors (headcount)

s47G

Number of independent contractors (headcount)

s47G

## Bank account details

---

Have your bank account details changed since your last payment or since you last provided them?

If yes, we will provide you with a form to complete your new bank account details.

If you are not due any further payments, select not applicable.

No

# Attachments

---

## Agreed evidence

Evidence to demonstrate completion of project, including evidence of all expenditure.

You must provide appropriate evidence to demonstrate the successful completion of the project. You must provide evidence of expenditure for the life of the project.

You must include a statement of expenditure or equivalent expenditure spreadsheet.

Evidence should take into account the size of the grant and complexity of the project. Types of evidence include, but not limited to, quotes, position descriptions, timesheets, marketing material, paid invoices, relevant approvals and contracts, before and after photographs. Label your evidence to indicate which activity/milestone/project outcome the evidence is related to.

### Comments

We have included quotes, timesheets sample, marketing material / presentations from DSTC workshop, paid invoices, relevant approvals and contracts, IoT installation images, Links to videos that were created to showcase data potential / applications and information deck on various capabilities delivered through DSTC project.

**Evidence to demonstrate completion of project, including evidence of all expenditure.**

**You must provide appropriate evidence to demonstrate the successful completion of the project. You must provide evidence of expenditure for the life of the project.**

**You must include a statement of expenditure or equivalent expenditure spreadsheet.**

**Evidence should take into account the size of the grant and complexity of the project. Types of evidence include, but not limited to, quotes, position descriptions, timesheets, marketing material, paid invoices, relevant approvals and contracts, before and after photographs. Label your evidence to indicate which activity/milestone/project outcome the evidence is related to.**

s47G [Redacted]

s47G [Redacted]

Document 3

[Redacted]

s47G

Document 3

[Redacted text block]

s47G

[Redacted text block]

s47G

[Redacted text block]

s47G

Document 3

[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
**Independent audit report**

Attach an independent audit report of the project expenditure. Requirements for the audit report are in Attachment B of your grant agreement

**Comments**

Statement of income and eligible expenditure with Auditors report has been attached. The Statement of eligible expenditure spreadsheet has also been attached.

**Independent audit report**

**Attach an independent audit report of the project expenditure. Requirements for the audit report are in Attachment B of your grant agreement**

Statement of Grant Income and Expenditure Signed with Auditors Report.pdf

Statement of eligible expenditure Disaster SMART Tasmanian Communities.xlsx

**Additional documents**

**Additional supporting information**

If you need to provide additional documents such as copies of published reports etc related to the project, you should attach them here.

## Declaration

---

I am authorised by the grantee to submit this report and declare that:

- the information in this report is accurate, complete and not misleading and that I understand the giving of false or misleading information is a serious offence under the *Criminal Code 1995* (Cth)
- the grant was spent in accordance with the grant agreement
- I am aware of the grantee's obligations under their grant agreement, including survival clauses
- I am aware that the grant agreement empowers the Commonwealth to terminate the grant agreement and to request repayment of funds paid to the grantee where the grantee is in breach of the grant agreement.

**By checking this box, I agree to all of the above declarations and confirm all of the above statements to be true.**

Yes



# Preparing Australian Communities – Local Stream End of project report assessment

The purpose of this form is to provide a record of assessment of the end of project report against the milestone activity schedule of the recipient's Grant Agreement and their validation and recommendation of the grant funds to be paid to the recipient for this report. An EL1 must review and approve this assessment.

Instructional text throughout the template should be deleted.

Grantee	ENZEN AUSTRALIA PTY LTD
Project number	PACLS000202
Reporting period	01/06/2022 to 31/03/2025
Maximum grant amount	\$2,572,000
Grant Percentage	100%
Agreed Eligible Expenditure	\$2,572,000
Total Paid Amount	s47G

## 1. Project completion

Have all due reports and agreed evidence identified in the agreement been  yes  no provided by the due date?

If no, provide comment (this includes where the grantee requested an extension to the due date)

- **Progress Reports** to date have been generally submitted several days late.
- The **End of Project Report** was also submitted late due to audit report delays.

All due reports and agreed evidence identified in the agreement been provided.

Are there any outstanding issues from the previous reports that need to be commented on or finalised?  yes  no

If yes, provide comment.

ENZEN AUSTRALIA PTY LTD requested an extension of the project completion date from 31st March 2025 to 31st December 2025 due to delays in obtaining critical 3rd Cycle spatial data, which won't be available until late March 2025.

The extension was to allow for thorough analysis of both spatial and IoT data, leading to better insights for stakeholders and more effective planning for disaster preparedness in summer 2025/26. This was supposed to also ensure a more successful final workshop and avoid risks of reduced project value.

Extension only to 31 May 2025 was approved as an eight-week extension provides sufficient time to hold the event and finalise the project.

End of project assessment

[date]

1 of 11



Has the project been completed in accordance with the agreement (including the project scope, milestone activities and timeframes)?  yes  no  
If no, provide comment

Milestones 001 – 004 are reported as COMPLETED.

N	Milestone Progress	%	%	Progress comment
001	Stakeholder Engagement Plan	100	100	Delivered and in use as a living document.
002	Year 1 Data Available	100	100	Year 1 data visualised and used in early stakeholder workshops.
003	Year 1 Stakeholder Engagement	100	100	Engagement achieved through workshop; multiple use cases identified.
004	Year 2 Data Available	100	100	IoT network built, data products shared, councils integrating outputs into operations.
005	Year 2 Stakeholder Engagement	100	100	Workshop held with 38+ organisations; strong collaboration and multiple real-world use cases shared.
006	Year 3 Data Available	0	90	Data capture done; data is being prepared for platform release with deeper use case analysis in progress.
007	Year 3 Stakeholder Engagement	0	90	Stakeholder support ongoing; final workshop scheduled for October 2025 to showcase adoption stories and lessons learned.
008	Project Closeout and Benefits Realisation	0	100	Final outputs in place; platform enhancements, support for partners (e.g., Derwent Catchment), and extended contracts for sustained impact post-project.

Incomplete Milestones Still Underway:

- 006 - Year 3 Data Available (90%)**
  - Data captured; final publishing and platform integration ongoing.
  - Analytical use cases under development.
- 007 - Year 3 Stakeholder Engagement (90%)**
  - Engagement in progress; final workshop planned for October 2025 to share success stories and encourage broader uptake.

Based on the above, grantee has delivered only partially the project activities by the agreed end date. Grantee is committed to complete the program activities after the project end date.

Was any agreed evidence of project completion due with this report?  yes  no

Provide comment.

Grantee provided agreed evidence. Grantee confirmed project completion with the attached expenditure report, audit report and the additional supporting information.

The **Statement of Eligible Expenditure** as well as the **Independent Audit Report** completed BDO confirmed the total amount of eligible expenditure in an amount of **s47G** - as per the **Statement of Eligible Expenditure**.

The Audit Report also clarified the variations between the grant agreement budget and actual expenditure:

**Approvals – Planning, Environmental and Regulatory:**  
**s47G** [redacted]  
[redacted]  
[redacted]  
[redacted]



**Audit Costs**

s47G

**Contingency Costs**

s47G

**Contract (Including Expert Advice)**

s47G

**Domestic Travel:**

s47G

**Equipment/Materials:**

s47G

**Labour**

s47G

**Labour On-costs**

s47G

**Other Eligible Expenditure**

Budget: \$0, Actual: \$0, Variation: \$0

- No Other Eligible Expenditure has been incurred.

**Staff Training**

s47G

**Workshop, conferences & events**

s47G





s47G

[Redacted content]

Invoices were provided in the previous reporting periods.

## Program specific questions

Has the grantee identified any upcoming **events** related to the project?  yes  no

If yes, notify policy.

Has the grantee described any collaboration with other organisations in their LGA or other LGA/s to deliver their project.  yes  no

Has the grantee explained the community support for their project and how they gained and maintained community support during the delivery of the project.  yes  no

### Upcoming Event

A third stakeholder engagement workshop is scheduled for October 2025, focused on how agencies have used DSTC data to improve disaster management and resilience. This aims to drive broader adoption of project deliverables.

### Collaboration with Other Organisations and Local Procurement

The grantee is collaborating with:

- S [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

### Community Support and Engagement

While not directly engaging the public, DSTC supports councils, emergency services, and insurers in better informing communities. Initial stakeholder resistance was addressed through ministerial support and alignment with the state's disaster resilience strategy. Community trust has grown through consistent,



Department of Industry, Science and Resources

shared spatial data and strong engagement, including representation from 38 groups at the October 2024 workshop.

yes  no

Has the grantee outlined **project outcomes** achieved and do they align to those in the grant agreement?

The DSTC project successfully delivered a digital twin of the natural and built environment, supported by high-resolution spatial and IoT datasets, enabling detailed disaster risk analysis and mitigation.

These outputs are now used by over 300 stakeholders, including councils, utilities, and emergency services, to improve flood and bushfire modelling, infrastructure risk management, and community resilience planning.

The project has advanced situational awareness through real-time data, improved collaboration across agencies, and supported informed community engagement around resilience.

All datasets have been made available to the Commonwealth and key stakeholders, aligning with the grant's scope and ensuring long-term impact.

A third stakeholder workshop in October 2025 will showcase how agencies are applying the data to reduce disaster risk; however, this event will be delivered outside of the program as it will be held after the project end date of 31 May.

yes  no

Has the grantee outlined the **project benefits** achieved? If yes, what ongoing impact will the project have?

The DSTC project has delivered broad benefits across Tasmania by establishing a leading approach to using spatial and IoT datasets for disaster management and resilience. Key outcomes include:

- **Economic:** DSTC data is improving flood modelling, vegetation management, and infrastructure resilience, reducing economic impact from disasters. s47G
- **Social:** Collaborations with insurers (e.g. RACT) are promoting shared responsibility for risk, with future potential for reduced insurance costs.
- **Built Environment:** Councils are using DSTC for land use planning, flood modelling, and encroachment detection. s47G
- **Community Resilience:** Agencies are now better equipped with real-time data, shared digital platforms, and tools like LiDAR-based visualisation to plan and respond to natural hazards. The consistent datasets support collaboration across sectors, enhancing disaster preparedness and response.

**Ongoing Impact**

- DSTC has created a strong foundation of shared digital and IoT assets accessible to all stakeholders, with licenses and services funded until April 2027. s47G

**Unexpected Benefits:** No

**Unexpected Negative Impacts:** No

**Future activities been identified to reduce natural hazards:**

The next phase aims to:





**Australian Government**  
**Department of Industry,  
Science and Resources**

C. Expenditure claimed in current reporting period?	s47G
D. Total expenditure (A+C)	s47G * incorrectly reported by grantee via online portal
Amount expended according to the Independent Audit Report/final Statement of Eligible Expenditure, if applicable. Provide comment.	The <b>Audit Report</b> is required for this project and confirms the total of expenditure in an amount of s47G as per the Statement of Eligible Expenditure and the online reporting.  s47G [Redacted] [Redacted] [Redacted]
Any ineligible expenditure? Any action required?	N/A
E. Agreed Grant percentage	100%
F. Grant entitlement (DxE)	s47G
G. Previous Payments	s47G
H. Amount Due (F-G)	s47G
Scheduled payment amount	s47G
<b>What is the recommended payment for this reporting period?</b> (Check annual capped amounts)	Nil payment
If the recommended payment is not equal to L, provide reasons.	s47G [Redacted] [Redacted]
Has a zero payment or a reduced payment been recommended due to an underspend of the project? If yes, you will need to complete a Purchase Order Amendment to close the Purchase order for the project.	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <a href="#">Purchase Order Amendment</a>  s47G [Redacted]
Will a debt be required to be raised due to an overpayment? See <a href="#">instructions</a> to raise a debt in BGM and complete a SNOW ticket with finance. Must complete debt process before project is finalised.	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes



## Risk rating (refer to the last page)

What is the project risk rating as a result of this end of project review?

- low
- med
- high

Has the rating changed since the last progress review?

- yes
- no

If the rating is medium or high or has changed, provide comments. What action is proposed to manage the risk?

Risk rating remains medium as project is only partially completed.

## Recommended payment

Taking into account the eligible expenditure for the completion of this project, is the recommended payment for this reporting period the same as the anticipated payment in BGM?

- yes
- no

**Recommended payment**

Nil payment

The project has been only partially completed which resulted in underspend and a debt and decommitment; a nil is recommended due to underspend.

## Bank account details

Did the grantee's bank account details change?

- yes
- no

If yes, have they now been updated?

- yes
- no

## End of project report assessment completed

Assessed by: <b>s22</b>	Date 26/08/2025
Approved by: <b>s22</b> Project outcomes have been met, although milestone 6 and milestone 7 are currently at 90% completion. Additional workshops and stakeholder engagement sessions to present the data and support the use of DSTC are planned for October 2025 at the expense of the grantee.	Date 28/08/2025



Department of Industry,  
Science and Resources

The grantee has provided invoices, contracts and approvals that evidence agreed activities have been undertaken and grant funds have been spent on eligible activities. The independent audit confirms eligible expenditure at **s47G**. Grant% is 100%. Agreed project amount is \$2,572,000. Payments to date **s47G**

**s47G**  
[Redacted]

## Project Risk Rating

Question	Y/N	Com ment
Was the customer late with submitting the report (without notice or a request for an extension to submit)?	<b>N</b>	
Is the customer difficult to contact?	N	N
Is the customer reluctant to provide information and/or unable to provide detailed information at first request?	N	N
Were there issues with the customer's resourcing (funding, staff, and equipment) for delivery of the project to comply with the terms of the agreement?	N	N
Was the project reliant on a co-contribution?	N	N
Did the customer request a variation during the project period?	N	N
Does the expenditure in the period under review vary by greater than 20% from the forecast in the previous report?	N	N
Has the customer attempted to claim any ineligible expenditure?	N	N
Was there slippage of any of the milestones that had effect on the budget or completion date?	N	N
Have you identified any additional risks that may impact this risk rating and haven't been highlighted above? If so, please comment and enter the consequence where <b>1 = minor, 2 = moderate, 3 = major and 4= extreme.</b>	N	N
<b>RISK RATING =</b> <i>(based on yes responses, score based on 1 per yes)</i>	LOW (0-3) MEDIUM (4-5) HIGH (6 ≥)	

End of project assessment

[date]

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## Attachment A – Statement of grant income and expenditure

Grant opportunity name	Preparing Australian Communities - Local
Project number	PACLS000202
Grantee	Enzen Australia Pty Ltd
Project title	Disaster SMART Tasmanian Communities
Reporting period start date	31/05/2022
Reporting period end date	31/05/2025

This statement of grant income and expenditure must be prepared by the Grantee and contain the following:

- Statement of funds, Grantee contributions and other financial assistance\*
- Statement of eligible expenditure\*
- Notes to the statement of eligible expenditure, explaining the basis of compilation
- Certification by directors of the Grantee
- \*We will compare this information to that detailed in the grant agreement.

### 1. Statement of funds, Grantee contributions and other financial assistance

Complete the following table for all cash [and in-kind] contributions for your project for the period in question, including

- the grant
- other government funding
- your own contributions
- partner or other third-party contributions
- any additional private sector funding.

Contributor	Cash amount (GST excl)	[Estimated in-kind amount (GST excl)]	Total (GST excl)
Grant*	s47G		
Grantee**			
Virtual Twin TAS Pty Ltd***			
Total			

Note\* - The Australian Government has advanced \$2,314,800 in grant funding. There is \$96,274 of the grant funds advanced that have not been spent.

Note\*\* - This is the difference between Enzen's actual labour cost minus the eligible labour costs based on the salary cap. This includes an allowance of 30% for oncosts and administrative overheads on the actual labour costs.

Note\*\*\* - Estimate of Virtual TAS CEO time and cost in 2022 not charged to the project.

## 2. Statement of eligible expenditure

You must provide detail of the eligible expenditure that has been incurred and paid for during the reporting period in the 'Statement of eligible expenditure' spreadsheet.

Comment on any variance between the expenditure items and amounts detailed in the grant agreement and the actual items and amounts detailed in the attached statement of eligible expenditure.

The variations between the grant agreement budget and actual expenditure are as follows:

### Approvals – Planning, Environmental and Regulatory:

s47G [Redacted]  
[Redacted]  
[Redacted]  
[Redacted]

### Audit Costs

s47G [Redacted]  
[Redacted]

### Contingency Costs

s47G [Redacted]  
[Redacted]

### Contract (Including Expert Advice)

s47G [Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]

**Domestic Travel:**

s47G [Redacted]  
[Redacted]  
[Redacted]  
[Redacted]

**Equipment/Materials:**

s47G [Redacted]  
[Redacted]  
[Redacted]  
[Redacted]

**Labour**

s47G [Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]

**Labour On-costs**

s47G [Redacted]  
[Redacted]

**Other Eligible Expenditure**

**Budget:** \$0, **Actual:** \$0, **Variation:** \$0

No Other Eligible Expenditure has been incurred.

**Staff Training**

s47G [Redacted]  
[Redacted]  
[Redacted]  
[Redacted]  
[Redacted]

<b>Workshop, conferences &amp; events</b>	
<b>s47G</b>	[Redacted]
	[Redacted]
	[Redacted]
	[Redacted]
<b>Total Project</b>	
<b>s47G</b>	[Redacted]
	[Redacted]
	[Redacted]
	[Redacted]

### 3. Note to the statement of eligible expenditure

#### 3.1 Eligible expenditure

The eligible expenditure as reported in the statement of eligible expenditure is in accordance with the grant opportunity guidelines.

#### 3.2 Basis of compilation

This statement of eligible expenditure has been prepared to meet the requirements of the grant agreement between Enzen Australia Pty Ltd and the Commonwealth represented by the Department of Industry, Science, Energy and Resources. Significant accounting policies applied in the compilation of the statement of grant income and expenditure include the following:

The Grantee, Enzen Australia Pty Ltd, prepares financial statements based on Australian Accounting Standards (AASB) which are audited on an annual basis and the management assesses the entity's ability to continue as a going concern in preparing financial statements.	
<b>s47G</b>	[Redacted]
	[Redacted]
	[Redacted]
	[Redacted]
	[Redacted]

#### 4. Certification by directors [if not director, replace with appropriate equivalent]

Enzen Australia Pty Ltd

PACLS000202

For the period 31/05/2022 to 31/05/2025

We confirm that, to the best of our knowledge and believe, having made such enquiries as we considered necessary for the purpose of appropriately informing ourselves:

##### Statement of grant income and expenditure

- a. We have fulfilled our responsibilities for the preparation of the statement of grant income and expenditure in accordance with the cash basis of accounting and the terms of the grant agreement with the Commonwealth, represented by the Department of Industry, Science, Energy and Resources dated 22/05/2022; in particular, the statement of grant income and expenditure presents fairly in accordance therewith.
- b. All events subsequent to the date of the statement of grant income and expenditure which require adjustment or disclosure so as to present fairly the statement of grant income and expenditure, have been adjusted or disclosed.
- c. That all Grantee contributions and other financial assistance were spent for the purpose of the project and in accordance with the grant agreement and that the Grantee has complied with the grant agreement and relevant accounting policies.
- d. That salaries and allowances paid to persons involved in the project are in accordance with any applicable award or agreement in force under any relevant law on industrial or workplace relations.

s22

Signature .....  
 Name .....  
 Director .....  
 Date 22/08/2025

s22

Signature .....  
 Name .....  
 Head of Finance .....  
 Date 22/08/2025

## 5. For Auditor use only

I certify that this statement of grant income and expenditure is the one used to prepare my independent audit report dated 22/08/2025 for the Department of Industry, Science, Energy and Resources.



Signature .....

Name

Position                      Director

Auditor's employer      BDO Audit Pty Ltd

Date                              22/08/2025

**Statement of Labour Costs, Hours, Full Time Equivalent  
employee numbers  
Project No: PACLS000202  
Period 31 May 2022 to 31 May 2025**

	Total
<b>Expenses</b>	
Labour Hours	s47G
Full Time Equivalent*	
Eligible Labour Costs	
Labour on-costs	

\*Full Time Equivalent based on the following hours:

Department of Industry, Science and Resources  
Industry House  
10 Binara Street  
CANBERRA ACT 2601

I understand that the Commonwealth, represented by the Department of Industry, Science and Resources and the Enzen Australia Pty Ltd (grantee) have entered into a grant agreement for the provision of financial assistance under the grant agreement PACLS000202 to the Grantee for the project. A condition of funding under the grant agreement is that the Grantee provides a statement of grant income and expenditure certifying that expenditure on approved project items has been incurred within the relevant audit period and paid in accordance with the Grant Opportunity Guidelines, and is supportable by appropriate documentation.

In fulfilment of the condition, I hereby certify that:

- a) I am a member of Chartered Accountants Australia and New Zealand (as a Public Practice Certified Member).
- b) I have prepared the independent assurance report on grantees' statement of grant income and expenditure in accordance with the details of the grant agreement between the Grantee and the Commonwealth, project no PACLS000202 dated 22 May 2022.
- c) I have reviewed the grant agreement between the Grantee and the Commonwealth, project no PACLS000202, and related Grant Opportunity Guidelines and understand the requirements pertaining to financial reporting and eligible expenditure contained therein.
- d) I have signed the attached copy of the grantee's statement of eligible expenditure that I used to prepare the independent assurance report.
- e) I have complied with the professional independence requirements of Chartered Accountants Australia and New Zealand. I specifically certify that I:
  - I. am not, and have not been, a director, office holder, or employee of the grantee or related body corporate of the grantee
  - II. have not been previously engaged the grantee for the purpose of preparing their or any report required under the grant agreement
  - III. have no financial interest in the grantee

*BDO*

BDO Audit Pty Ltd

s22

Director

Registered Company Auditor: 528977

Adelaide, 22 August 2025

## INDEPENDENT ASSURANCE REPORT TO THE MEMBERS OF ENZEN AUSTRALIA PTY LTD

### Opinions

We have:

- Audited the statement of grant income and expenditure of Enzen Australia Pty Ltd ('the entity') for the period 31 May 2022 to 31 May 2025 which comprises the statement of funds, grantee contributions and other financial assistance, statement of eligible expenditure, the Note to the statement of eligible expenditure and the certification by directors (together 'the financial statement'); and
- Undertaken a reasonable assurance engagement on the entity's compliance, in all material respects, with the Commonwealth Standard Grant Agreement PACLS000202 between the Commonwealth as represented by the entity of Industry, Science and Resources on behalf of the entity of Climate Change, Energy, the Environment and Water Grant ('the Commonwealth') Agreement between and the entity dated 22 May 2022 ('the Grant Agreement'), for the period 31 May 2022 to 31 May 2025.

In our opinion:

- The financial statement presents fairly, in all material respects, the grant income and expenditure of the entity for the period 31 May 2022 to 31 May 2025 in accordance with the cash basis of accounting described in Note 3.2 and the terms of the Grant Agreement; and
- The entity has complied, in all material respects, with the requirements of the Grant Agreement, for the period 31 May 2022 to 31 May 2025.

### Conclusions

We have;

- Reviewed the entity's statement of labour costs in support of its claim of eligible expenditure; and
- Undertaken a limited assurance engagement on the entity's statement of employee numbers under the Grant Agreement.

Based on:

- Our review, which is not an audit, nothing has come to our attention that causes us to believe that the statement of labour costs for the period 31 May 2022 to 31 May 2025 is not prepared, in all material respects, in accordance with the Grant Agreement; and
- The procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the statement of employee numbers for the period 31 May 2022 to 31 May 2025 is not prepared, in all material respects, in accordance with the Grant Agreement.

#### Basis for opinions

We conducted our;

- Audit in accordance with Australian Auditing Standards. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statement section of our report. We are independent of the entity in accordance with the ethical requirements of the Accounting Professional and Ethical Standards Board's APES 110 Code of Ethics for Professional Accountants (including Independence Standards) (the Code) that are relevant to our audit of the financial statement in Australia, and we have fulfilled our other ethical responsibilities in accordance with that Code; and
- Assurance engagement in accordance with Standard on Assurance Engagements ASAE 3100 Compliance Engagements issued by the Auditing and Assurance Standards Board.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinions.

#### Basis for conclusions

We conducted our engagements in accordance with Standard on Assurance Engagements ASAE 3000 *Assurance Engagements Other than Audits or Reviews of Historical Financial Information* and Standard on Review Engagements ASRE 2405 *Review of Historical Financial Information Other than a Financial Report* as issued by the Auditing and Assurance Standards Board.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our conclusion.

#### Emphasis of matter - Basis of accounting

We draw attention to Note 3.2 to the financial statement, which describes the basis of compilation. The financial statement has been prepared to assist the entity to meet the requirements of Grant Agreement. As a result, the financial statement may not be suitable for another purpose. Our opinion is not modified in respect of this matter.

#### The entity's Responsibilities

The entity is responsible for:

- Preparation and fair presentation of the financial statement, and have determined that the basis of preparation described in Note 3.2 is appropriate to meet the requirements of Grant Agreement, and for such internal control as the entity determines is necessary to enable the preparation of the financial statement that is free from material misstatement, whether due to fraud or error;
- Compliance with the terms of the Grant Agreement;
- Identification of risks that threaten the compliance requirements identified above being met and controls which will mitigate those risks and monitor ongoing compliance;
- The preparation of the statement of labour costs in support of its claim of eligible expenditure. This includes establishing and maintaining internal control relevant to the preparation of the statement of labour costs that is free from material misstatement, whether due to fraud or error; and
- The statement of employee numbers.

## Our independence and quality management

We have complied with the independence and relevant ethical requirements of APES 110 *Code of Ethics for Professional Accountants (including Independence Standards)*, which are founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

The firm applies Auditing Standard ASQM 1 *Quality Management for Firms that Perform Audits or Reviews of Financial Reports and Other Financial Information, or Other Assurance or Related Services Engagements* which requires the firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

## Assurance practitioner's responsibilities

Our responsibility is to;

- Obtain reasonable assurance about whether the financial statement as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Australian Auditing Standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this financial statement. A further description of our responsibilities for the audit of the financial report is located in Appendix 1. This description forms part of our auditor's report;
- Express an opinion on the entity's compliance, in all material respects, with the Grant Agreement, for the period 31 May 2022 to 31 May 2025. ASAE 3100 requires that we plan and perform our procedures to obtain reasonable assurance about whether, the entity has complied, in all material respects, with the of the Grant Agreement, for the period 31 May 2022 to 31 May 2025. An assurance engagement to report on the entity's compliance with the Grant Agreement involves performing procedures to obtain evidence about the compliance activity and controls implemented to meet the compliance with the Grant Agreement. The procedures selected depend on our judgement, including the identification and assessment of risks of material non-compliance with the Grant Agreement, as evaluated against the Grant Agreement;
- Our responsibility is to express a conclusion on the statement of labour costs based on our review. We have conducted our review in accordance with Standard on Review Engagements ASRE 2405 *Review of Historical Financial Information Other than a Financial Report* in order to state whether, on the basis of the procedures described, anything has come to our attention that causes us to believe that the statement of labour costs is not prepared, in all material respects, in accordance with the its support of its claim of eligible expenditure. No opinion is expressed as to whether the statement of labour costs are appropriate to the needs of the Commonwealth; and

- Express a limited assurance conclusion on the statement of employee numbers. We conducted our engagement in accordance with ASAE 3000 Assurance Engagements Other than Audits or Reviews of Historical Financial Information issued by the Auditing and Assurance Standards Board. ASAE 3000 requires that we plan and perform our procedures to obtain limited assurance about whether anything has come to our attention that the entity has not prepared, in all material respects, the statement of employee numbers in accordance with the grant agreement. In a limited assurance engagement, the assurance practitioner performs procedures, primarily consisting of discussion and enquiries of management and others within the entity, as appropriate, and observation and walk-throughs and evaluates the evidence obtained. The procedures selected depend on our judgement, including identifying areas where the risk of material misstatement in the statement of employee numbers is likely to arise.

#### Inherent limitations

Because of the inherent limitations of an assurance engagement, together with the internal control structure it is possible that fraud, error, or non-compliance with compliance requirements may occur and not be detected.

A reasonable assurance engagement for the period 31 May 2022 to 31 May 2025 does not provide assurance on whether compliance with the Grant Agreement will continue in the future.

#### Restricted use

This report has been prepared for use by the entity and the Commonwealth for the purpose of compliance with the Grant Agreement. We disclaim any assumption of responsibility for any reliance on this report to any person other than the entity and the Commonwealth, or for any other purpose other than that for which it was prepared.

*BDO*

BDO Audit Pty Ltd

s22

Director

Registered Company Auditor: 528977

Adelaide, 22 August 2025

## Appendix 1 - Additional information on the Auditor's responsibilities for the audit of the financial statement

As part of an audit in accordance with Australian Auditing Standards, we exercise professional judgement and maintain professional scepticism throughout the audit.

We also:

- Identify and assess the risks of material misstatement of the financial statement, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates, if any, and related disclosures made by management.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.