

REVITALISING TAFE CAMPUSES ACROSS AUSTRALIA - Project Proposal Template (maximum four pages)

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| Project title: Water and Trades Centre of Excellence | |
| Duration Start date: 1 July 2019 Completion Date: 31 December 2022 | |
| Overview <i>Outline why this project(s) is a priority including campus location(s). Should also include number of students/learners to benefit from project outcomes.</i> | |
| <p>The current TasTAFE plumbing training centre is a stand-alone training facility on a college site removed from all other TasTAFE services. It is 40 years old and no longer fit for purpose. The current facility delivers plumbing, gas-fitting, refrigeration and air-conditioning training.</p> <p>The proposed Trades and Water Centre of Excellence will be built on land at TasTAFE’s existing southern training facility at Clarence, providing an integrated training facility for all trades in southern Tasmania. The new facility will continue to deliver plumbing, refrigeration, gas-fitting and air-conditioning training, but it will also cater for the following additional training needs:</p> <ul style="list-style-type: none"> • Poly welding (aquaculture), • waste water treatment • hydrogen services • Student offerings at the new centre will be expanded to include diploma, advanced diploma and, in partnership with University of Tasmania, Bachelor and associate degree qualifications. • Fire services training <p>The current facility caters for up to 500 students per annum, including apprentices and short courses (industry refresher training). The new facility will have capacity to cater for up to 1400 students per annum. Student growth is predicted to be 25% per annum from opening of the centre.</p> <p>Waste Water treatment is currently only delivered in Queensland. Due to climactic variations, the Queensland based training is not tailored for the cooler climates of the southern states. This new facility is expected to service Tasmania, Victoria and southern NSW needs.</p> | |

The Fire services training will provide the Tasmanian Fire Service with a facility to deliver building based hydrant training that does not currently exist. At present this training must be done within commercial premises and is sub-standard as it cannot simulate a “live” fire situation.

The Tasmanian plumbing industry has already supported a one-location solution for plumbing training in Tasmania. They have done this to ensure the best facilities are available to train for the new demands of the industry. As industry and training providers in the southern states access this facility, Tasmanians will have the opportunity to benchmark our training with mainland developments and to demonstrate excellence in new applications for the industry.

The governance of this project includes strong representation from Industry. The project steering committee is made up of:

- Master Plumbers Association (MPA)
- Tasmanian Building Construction and Industry Training Board (TBICITB)
- Air-Conditioning and Mechanical Contractors Association (ACMA)
- TasTAFE representatives

The project also includes a number of industry reference groups to inform the detailed design.

Project objectives (including addressing the assessment criteria)

Detailed description demonstrating value for money including economic benefit, improving the quality of training delivery to meet industry standards, industry support (can be an attachment to the proposal).

There are four key project objectives:

1. Replace the existing aged training facility with a modern, fit for purpose, facility
2. Enabling training for new industry requirements in emerging industries as outlined above
3. Enable training in diploma, advanced diploma and degree level qualifications not currently offered
4. Integrate all trades training at a single site in Southern Tasmania, to leverage existing infrastructure and maximise cross discipline training.

TasTAFE has a vision to strengthen the delivery of their trade training through the development of a Tasmanian Centre of Excellence for Trades and Water (TCETW) located on their Clarence Campus. Currently offered at Clarence are Construction, Plastering, Bricklaying, Wall and Floor Tiling, Painting and Decorating and Glazing. These trades would be supported by the relocation of Plumbing, Gas, Refrigeration and Air-Conditioning as part of this project, with the subsequent relocation of Electrotechnology and Automotive to the site. Traditionally the delivery of these trades have operated independently and TasTAFE looks to promote the interaction and co-support between trades, fostering an ongoing relationship into the work place.

It is TasTAFE’s aim to skill the Water industry through innovative partnerships, learning pathways and the provision of industry-specific and targeted continuing professional development training opportunities. The need for a cleaner, greener world means today’s plumbers and water industry practitioners need a broader skill set than just traditional technical skills. Innovative solutions to industry skilling must be at the heart of the new Centre of Excellence in Water and Trades. Tasmania has the opportunity to assist in up-skilling the Water Industry to meet the changing needs of the sector and to provide advanced training to help skill a Smarter Nation. TasTAFE and its partners in industry and with the University of Tasmania will achieve this goal through a blend of the latest technology and access to innovative solutions in the provision of training and skills developed from pre-vocational areas through to advanced diplomas and degrees.

The successful development of the Centre will provide a 'state of the art' facility specialising in water industry sustainability and future development. It will position TasTAFE and more broadly Tasmania as a leader in water industry training and development across the nation. It will provide an opportunity for the southern states in particular to access environmental and climate contextualized training in critical disciplines from wastewater management, hydraulic services design through to aquaculture. In summary, support for this project will provide a unique opportunity to build knowledge and skill capacity across multiple sectors both in Tasmania and the nation as a whole.

The new Centre of excellence will be a modular design, allowing for upgrades of specific training units on an ongoing basis to cater for changes in industry requirements and technology.

Specifically, the project will deliver on the following objectives:

Economic benefit

The project will allow for an increase in student numbers from 500 per annum to 1400 per annum. This will almost triple the number of apprentices being delivered into the workforce. There is established demand for this workforce, with the current constraint being capacity limits at the existing facility.

The aquaculture industry in Tasmania is estimated to be worth \$1.5Bn, there is currently no on-island skill capacity for infrastructure building to support this industry. According to the Tasmanian Renewable Hydrogen Action Plan the hydrogen industry has the potential to generate up to 1200 jobs and exports worth up to \$2.2Bn

Improving the quality of Training delivery to meet industry standards

As noted above, this facility will replace the current 40 year old facility that is no longer fit for purpose and has no capacity for additional students. In addition to modern facilities with up to date technology, this facility will integrate with TasTAFE's existing trade training facilities to allow for cross discipline training in areas such as worksite safety and electrical awareness. This investment will allow for the delivery of diploma, advanced diploma, bachelor and associate degree qualifications not currently offered in Tasmania. It will also avoid the need for students to travel to Queensland for Waste Water treatment training.

Industry support

This project was initiated by the Master Plumbers Association and has the full support of MPA, ACMA, TCBITB and University of Tasmania. Letters of support are attached.

The industry reference groups being established to guide the design will have broad based representation across industry.

Project milestones

Clearly outline the milestones to be delivered in each financial year (and will form part of performance milestones for reporting purposes).

| Year | Project Stage | Performance milestone(s) or benchmark(s) | Australian Government Payment date | Australian Government Amount | Tasmanian Government Amount | Industry contribution |
|---------|---|---|------------------------------------|------------------------------|-----------------------------|-----------------------|
| 2019-20 | Project Initiation, Briefing & research Est. 04/05/2020 – 26/06/2020 (8 Weeks) | Design and Documentation submitted | 11/9/2020 | \$1,500,000 | \$1,500,000 | - |
| 2020-21 | Design and Documentation Est. 14/09/2020 – 27/11/2020 (47 Weeks) | | | | \$1,000,000 | - |
| | Tender Est. 28/06/2021 – 13/08/2021 (7 Weeks) | Tender released | 25/6/2021 | \$500,000 | | |
| 2021-22 | Construction Est. 16/08/2021 – 12/08/2022 (approximately 52 weeks) | Tender awarded | 1/12/2021 | \$2,000,000 | - | \$500,000 |
| | | Main construction commences | 12/06/2022 | \$3,000,000 | \$3,500,000 | \$1,500,000 |
| | | Final Clean-up, Inspections and Occupancy | 05/09/2022 | | \$1,000,000 | - |

| | | | | | | |
|-------|--|--|--|-------------|-------------|-------------|
| TOTAL | | | | \$7,000,000 | \$7,000,000 | \$1,500,000 |
|-------|--|--|--|-------------|-------------|-------------|

Project activities and outcomes

Outline how the activities and outcomes relate to the overall delivery of the project(s) milestones.

Project Initiation, Briefing and Research

1. Master Plumbers Tasmania (MPA) asked MPA Vic to undertake an audit of TasTAFE Plumbing's facilities in September 2016.
2. The subsequent report was negative on the state of the facilities and their suitability.
3. A refurbishment of Claremont was proposed but subsequently found to be unrealistic as the building was no longer fit for purpose.
4. The cost for a new facility on the Clarence site was estimated at \$14M
5. MPA Tas invited Minister Rockliff to view the existing facilities and outline his vision for the Centre of Excellence.
6. MPA subsequently requested \$14M for the project.
7. The State Government subsequently committed \$7M to the project.
8. A dedicated project manager was appointed in October 2019
9. The tender was released to the market in December 2019 for detailed design and project management services
10. Responses were received in February and are currently under evaluation

Work on the next phase, detailed design, cannot commence until the project funding is secured given the integrated nature of the design management contract.

Project expenditure

Include details of all costs, funding contributions and requests as well as any other funding support such as in-kind contributions.

- In July 2019 TasTAFE commissioned a master Plan for the Clarence Campus. The purpose of the master plan was to confirm the site had sufficient capacity for the proposed Trades and Water Centre of Excellence project and future expansion
- As part of the master plan, a Quantity Surveyor estimate for the development of the Trades and Water Centre of Excellence was obtained.
- The Quantity Surveyor report followed a comprehensive brief of what was required in the new Centre of Excellence, including visits to interstate sites and briefings with existing staff. The table outlining space requirements is included below.
- The report indicated an estimated cost of development of \$15.6M. TasTAFE considers this scope could be achieved with \$14M of government funding, with the shortfall managed through industry support (both cash and in-kind).
- The following table provides detail on how the cost estimate was developed.

Staging Option A Stage 1

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|---|-------------------|
| Plumbing, Gas, Refrigeration and Air-conditioning | 9,680,000 |
| Communal (Plumbing and Electro-mechanical) | 700,000 |
| Siteworks | 1,591,691 |
| Site Services | 1,049,200 |
| Sub Total Stage 1 | 13,020,891 |
| Design Contingency and Market Conditions 20% | 2,604,178 |
| Estimated Total Stage 1 | 15,625,069 |

The difference between the estimated cost (\$15.6M) and the \$14M in total government funding will be made up from cash and in-kind commitments from industry as noted above

| Total project cost | | | |
|---|------------|-------------|-----------------------------|
| Requested Commonwealth contribution | 2020-21 | \$2,000,000 | |
| | 2021-22 Q2 | \$2,000,000 | |
| | 2021-22 Q4 | \$3,000,000 | |
| State funding contribution <i>(minimum of matched funding)</i> | 2020-21 | \$6,000,000 | |
| | 2021-22 | \$1,000,000 | |
| Other contributions | | | Contributor name |
| | 2020-21 | \$1,500,000 | Industry (cash and In-Kind) |
| | 2021-22 | | |