

This help pack is designed to supplement your CFA VESEP material with easy to follow assistance. VFBV provides this service to help you with your application.



VFBV | VOLUNTEER FIRE BRIGADES VICTORIA

Application Help Pack
2019

VOLUNTEER FIRE BRIGADES VICTORIA
*assisting CFA Brigades and Groups
with a timely application for
VESEP funding*



VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM 2019/20





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VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM

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Prepared by Volunteer Fire Brigades Victoria (VFBV)

**to assist CFA Brigades and Groups
with a timely application for VESEP funding**

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VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM



INTRODUCTION

Volunteer Fire Brigades Victoria

The Volunteer Emergency Services Equipment Program (VESEP) is an ongoing annual program funded by the Victorian Government, which provides equipment grants up to a maximum of \$150,000 exGST.

The program launched in the year 2000 and was originally called the CSESP Program (Community Safety Emergency Support Program). The program was designed in close consultation with VFBV and volunteers and delivered on VFBV's goal for an annual grants program for volunteers - designed by volunteers, with a low paperwork requirement, \$2 in grant money for every \$1 of local contribution for sustainability and local buy-in, local driven priorities with annual strategic state initiatives, robust district/region and state volunteer peer review and a quick and timely approval and notification process to the successful brigades and groups.

Key to its success is locally driven priority setting, endorsement by District Planning Committee's, operational support and endorsement by CFA Regional Management and a State Wide Steering Committee that reports directly to Government and the CFA Chief Officer and includes VFBV and volunteer representatives who work together to monitor the program and ensure the programs integrity and transparency.

Since its inception, the program has completed over 1,600 projects totalling more than \$120 million dollars.

The program is an investment in maintaining and building volunteer capability and is designed to ease the pressures of having to fundraise for operational equipment, vehicles, specialist equipment and much needed improvements to amenities.

VFBV encourages all CFA Brigades, Groups, District Councils and Championship Committees to make use of this **VFBV Application Help Pack** to assist them in their applications.

This pack offers practical suggestions and complements CFA's Guidelines and the 2019/20 Application forms. Its intent was to gather the most important information available and put it all in one place. If Brigades would like a printed copy, please call the VFBV Office on 9886 1141 and VFBV would be happy to post you a copy.

Members can also contact their local VFBV State Councillors and/or VFBV Support Officers for any additional information or assistance with their applications.

We wish you well with your application!

CFA Links

CFA Information and forms are located at:

<https://www.members.cfa.vic.gov.au/mycfa/Show?pageId=bovVehicleAbout>

And use the Side Links displayed at the right of that page to access information on Specialist Appliances, Tanker Information and Equipment Information.



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APPLICATION DETAILS 2019/20

Conditions of VESEP 2019/20 grants

- You may apply for only **ONE** project in the 2019/20 round
- The Chief Officer will be responsible for management of program
- All funding applications to be endorsed & prioritised by respective DPC and be consistent with District/Region Infrastructure Plans
- Any additions to the brigade owned fleet require approval of local Operations Manager, ACO and CO
- CFA will maintain approved tankers and specialist appliances to level 1 maintenance
- Projects commenced on or before Ministerial approval will not be eligible for VESEP funding.
- It's the responsibility of Brigade/Group to replace assets acquired

What is NOT funded?

- Core CFA budget requirements
- Ongoing expenditure such as maintenance
- Projects currently in progress
- Project overspend

Where do I find information regarding what is funded in the 2019/20 VESEP grants?

Refer to CFA website - *Brigades Online* > *Brigade* > *Property & Equipment* > *Brigade Owned Vehicles* > *Current VESEP Details* and click to download:

- VESEP CFA Program Guidelines for 2019/20 funding round. See page 3 for priority given to categories
- VESEP CFA Application Form **Part A: Vehicles and Operational Equipment Application**
- VESEP CFA Application Form **Part B: Volunteer Amenities and Minor Works Application**
- VESEP Approved Vehicle Specification and Costs

Alternatively, documents can be found on VFBV website by following VESEP article on web home page.

ENDORSED PROJECTS: must be operationally justified

5.1 TANKERS & BIG FILL'S

VESEP Light Tanker Crew Cab

\$2 VESEP to \$1 Brigade -cab chassis
 Body- Funded by grant contribution

Brigade contribution \$ 27,333
 Grant contribution \$187,667
 Total project cost \$215,000

VESEP Ultra Light Tanker Toyota Land Cruiser

\$2 VESEP to \$1 Brigade - cab chassis
 Body- Funded by grant contribution

Brigade contribution \$ 20,000
 Grant contribution \$115,000
 Total project cost \$135,000

VESEP Rehabilitation Unit

\$2 VESEP to \$1 Brigade

Brigade contribution \$ 48,333
 Grant contribution \$ 96,667
 Total project cost \$ 145,000

VESEP Medium Tanker replacement tanker:

\$2 VESEP to \$1 Brigade - cab chassis
 Body: Funded by grant contribution

Brigade contribution \$ 50,000
 Grant contribution \$320,000
 Total project cost \$370,000

VESEP Addition to Fleet

\$2 VESEP to \$1 Brigade -total cost of vehicle

Brigade contribution \$ 123,333
 Grant contribution \$ 246,667
 Total project cost \$ 370,000

If a Brigade is purchasing an additional vehicle to the fleet the application will need the endorsement of your local Operations Manager & Assistant Chief Officer. The Chief Officer will have final approval over all additions to the fleet.

5.2 SPECIALIST APPLIANCES

\$2 VESEP to \$1 Brigade
 -to maximum VESEP contribution of \$150,000

5.3 OPERATIONAL EQUIPMENT (inc FCVs)

\$2 VESEP to \$1 Brigade
 -to maximum \$150,000 VESEP

N.B. FCV Vehicles under five (5) years of age will not be considered for replacement under the program

VESEP Multipurpose Vehicles

The appliance is a multi-purpose vehicle licensed to carry five (5) crew, including the driver. The rear of the appliance can be configured to suit Brigade's specific requirements. Appliance to be stowed with equipment to secure and clean up after an incident.

Equipment examples may include:

Remote Area Lighting | Staging Area Equipment | Thermal Imaging Equipment | Hose testing Trailer | Positive Pressure Fans | Training Equipment | Hose Branches

All applications will be considered on their respective merits.

Items *NOT* available include:

Helmet Torches | Radios | Breathing Apparatus | Major Capital Works >\$100K | PFIT Kits | Turn Out Systems | GVM upgrades on FCVs

Needs to be non- structural, not requiring a permit

Kitchen refurbishments/Fridge | Air conditioning | Hot water services | Carpet | Furniture | Table/Chairs

5.4 VOLUNTEER AMENITIES IMPROVEMENTS

\$5,000 max.
 \$2 VESEP to \$1 Brigade
 Brigade contribution \$1,667
 Grant contribution \$3,333
 Total project cost \$5,000

5.5 BRIGADE MINOR WORKS

which will enhance CFA member amenities and safety.

Total project value to be less than \$100,000
 \$2 VESEP to \$1 Brigade

Brigade contribution \$ 33,333
 Grant contribution \$ 66,667
 Total project cost \$100,000

Examples may include

**Motorization of motor room doors
 Installation of garage / shed
 Station refurbishment
 Static generators
 Extension to station
 Car park sealing
 PPC Storage**

No projects greater than \$100K

Field Command Vehicles

\$2 VESEP to \$1 Brigade funding
 \$150,000 max.VESEP contribution excluding GST

Applications must be supported by GVM weight calculation pro forma if not CFA standard build. GVM upgrades not considered.

A position *VESEP Minor Works Project Manager – Land & Buildings* has been established to advise brigades considering minor works projects and to coordinate all Planning and Building Permit approval.

Register with Bruce Rowley 5735 3112
b.rowley@cfa.vic.gov.au

Discuss grant application with your Catchment Officer, Operations Manager & Asset Project Officer

Tanker Costs – VESEP 2019/20



Pricing - Indicative @ April 2019

| Funding Source | ULT Landcruiser | Light Tanker Crew Cab | Medium Tanker Addition to Fleet | Medium Tanker Replacement Tanker |
|--------------------|-------------------|-----------------------|---------------------------------|----------------------------------|
| Brigade | \$ 20,000 | \$ 27,333 | \$123,333 | \$ 50,000 |
| Grant Contribution | \$ 115,000 | \$ 187,667 | \$ 246,667 | \$ 320,000 |
| Total | \$ 135,000 | \$215,000 | \$ 370,000 | \$ 370,000 |

Cost escalation to point of build in 2019/20 allow up to 10% increase.
 Options available on some appliances at Brigade cost



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APPLICATION IDEAS FROM PREVIOUS SUCCESSFUL GRANTS

If you need inspiration the list below may assist you determining what would most help your Brigade/ Group/ District Council or Championship Committee.

| PROJECT IDEAS | | | |
|---------------------------------------|---|---------------------------|--|
| Trailer & Generator | Water Tank & Pump | Upgrade toilets | Cooktop & Electric Oven |
| Pressure Washer | Cabinets | External station lighting | Rehabilitation Unit |
| Notebook & Tripod | Concrete Apron | Roller Shutter Door | Hot Boxes |
| Chairs & Trestle Tables | Extension | Data Projector | Pergola |
| Meeting Room Fitout | Dishwasher & fridge | Alarm System | Supply & Fit Storage Cabinet |
| Generator | Install Kitchenette | Brush cutter | Upgrade Training Room |
| Laptop, Software & Printer | | | Extension to Motor Room |
| Hot Water Service & Installation | | | Split System Air Conditioner |
| Electrical Connection to Storage Shed | | | Chainsaw Safety Kit Incl. Chaps |
| Water Filter | | | Automated External Defibrillator |
| Upgrade Comms Room & Office | | | Draughting Pump Pit |
| Air Conditioner & Insulation Batts | | | Upgrade meeting room |
| Carpark Asphalting | | | Construct Turnout Area |
| Remote Area Lighting | | | Meeting Room Furniture |
| Floor Coverings | | | Motorised Security Gate |
| Lighting Equipment | | | Automation of roller door |
| Water Tank & Fittings | | | Workshop Storage |
| Replacement of Lino | | | Landscaping |
| Installation of Shower, Screen Doors | | | Hose Drying Rack |
| Engel Car Fridge | | | Racks for Turnout Gear |
| Kitchen Upgrade | | | Canvas Hose |
| Cupboards, Drawers & Benchtop | | | Station Extension |
| Air Conditioner | | | Quad fog nozzles |
| Rescue Tools | | | TV/DVD and Noticeboard |
| Lawnmower | | | Telstra Mobile Smart Antenna |
| 1.2.4D Crew Cab Light Tanker | | | Thermal Imaging Camera |
| 2.4C Medium Tanker - | | | Mussel/Vortex control |
| Ultra Light Tanker | | | Quick Fill Pump |
| Quick Fill Trailer Upgrade | Protek Nozzle Branches | | Telstra cell fire telephone repeater |
| Meeting Room Chairs | Big Fill | | Hydraulic RAM |
| Collar Tank with Trailer & Pump | Mobile Hose Testing Trailer | | Lightbar & Siren |
| Proban covered Chainsaw Chaps | Field Command Vehicle - Toyota Landcruiser | | Field Command Vehicle - Ford Ranger |

**With VESEP grants,
the key to success is preparing early
- your application and your
support.**

**You have 5 weeks
from grant announcement
to due date
29 / 07 / 2019**



VESEP Endorsed Projects

This year's 5 categories:

- Tankers & Big Fill's
- Specialist Appliances
- Operational Equipment / FCV
- Volunteer Amenities <\$5K
- Minor Works <\$100K

**What does your Brigade or Group
need?**



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VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM

COUNTDOWN CALENDAR - TICK YOUR WAY TO SUCCESS!

| <i>PREPARE PREPARE PREPARE FOR YOUR VESEP APPLICATION</i> | | |
|---|--|--|
| June 24 th | <input checked="" type="checkbox"/> | <ul style="list-style-type: none"> Government announces 2019/20 VESEP program with the details of this current year's priorities and categories in which funding will be made available. |
| Are you well under way? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group updates/prepares your financial plan / considers a Special Access Grant <ul style="list-style-type: none"> current bank account/s balance/s 5-year plan for brigade expenditure - what are those funds planned outcome? 5-year plan for boosting brigade funds, incl. asking financial support from Group |
| | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group discusses possible category it wishes to apply for Brigade/ Group decides on the item it deems will significantly improve your operational readiness or member facilities. Brigade/ Group obtains preliminary quotes Obtains required endorsement from OM & ACO if wanting additions to fleet |
| <i>COMMUNICATE COMMUNICATE COMMUNICATE YOUR PLANS</i> | | |
| June - July | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group continues discussion of plans with your Group & Catchment Officers Contacts the VESEP Minor Works Project Manager if applying for this category Seeks expert advice from the CFA Regional Asset Maintenance Manager Continues the discussion of the idea with your neighbouring Brigades Ensures that Brigade/ Group application supports the Group Resource plan |
| | <input type="checkbox"/> <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group discusses plans with Catchment Officers/ Operations Officers Brigade/ Group seeks endorsement by Catchment Officer/ Operations Officer that your application supports the District Resource Plan |
| | <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group discuss plans with CFA Project Co-ordinator, Diane Frost, to ensure you're on the right track and to raise your profile ensuring that Dianne is aware of your application. Diane Frost, <i>VESEP Project Coordinator</i> Ph: 9262 8630 Email: d.frost@cfa.vic.gov.au |
| | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group prepares supporting documents describing <ul style="list-style-type: none"> purpose & how it will assist with your operational readiness how it will assist your Brigade/ Group amenities in support of your infrastructure needs how it will assist your neighbouring Brigades and stating their level of support how it will assist your local and wider community |
| | <input type="checkbox"/> <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group completes draft copy of CFA Application Forms A/B/Special Access Completes Addition to the Fire Fighting Appliance Fleet Operational Justification |
| <i>FINE TUNE FINE TUNE FINE TUNE YOUR APPLICATION</i> | | |
| July | <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group confirms quotes |
| | <input type="checkbox"/> | <ul style="list-style-type: none"> Brigade/ Group discusses/ confirms modifications with Group / Catchment Officer / Operations Manager so all are well aware of what is coming |
| July 29 th | <input type="checkbox"/> | <ul style="list-style-type: none"> Closing date for applications to be forwarded to Operations Manager Brigade submits application by 29th July 2019 |
| <i>PROCESSING OF APPLICATIONS</i> | | |
| July 30 th – August 9 th | | <p>DPCs have met to prioritise District's applications - <i>that's why you talked about it with Group!</i></p> <ul style="list-style-type: none"> Assistant Chief Officers provide comments and send to CFA Project Coordinator CFA VESEP Steering Committee members approve projects. Decisions endorsed by Chief Officer |
| August / September | | <ul style="list-style-type: none"> EMV forwards agencies' recommendations to Minister for Emergency Services |
| Mid/late October 2019 | | <ul style="list-style-type: none"> Anticipated Ministerial announcement after notifying local Members of Parliament Successful Brigades receive written funding offer. Unsuccessful brigades advised. |



SAMPLE BUSINESS PLAN 2019

NB: Each CFA District will most probably have a local pro-forma. Please check with your Regional Finance & Administration Manager to ask for a copy of their Business Plan form.

Providing a simple A4 page document allows transparency and indicates how the Brigade funds are managed and targeted towards new projects. It protects funds raised to replace brigade items.

SAMPLE BASIC BUSINESS / FINANCIAL PLAN

| | | |
|----------------------|--------------------|--------------|
| Brigade Name: | Brigade No: | Date: |
| District: | Region: | |

| Bank account name & number | | | |
|----------------------------|-----------------------------|----|----|
| Account balance | <i>as per current date:</i> | \$ | |
| | <i>as per 30/06/2018:</i> | \$ | |
| | <i>difference</i> | | \$ |

| Last three year's financial summary | | | |
|-------------------------------------|----------|----------|----------------|
| | Receipts | Expenses | Profit or Loss |
| 2018 – 2019 | \$ | \$ | \$ |
| 2017 – 2018 | \$ | \$ | \$ |
| 2016 - 2017 | \$ | \$ | \$ |

| How are you planning to use the funds? |
|--|
| <i>e.g. chainsaw, wet weather gear, toilet, new engine bay, FCV, kitchen</i> |

| Anticipated cost of project/s | |
|-------------------------------|----|
| 1. | \$ |
| 2. | \$ |
| 3. | \$ |

| Fundraising methods planned |
|--|
| <i>e.g. seek targeted donations from community; wood raffles x 3, VESEP grant; operate parking for local market; provide BBQ lunches & morning teas for local market/rodeo; hold a rock 'n roll dance.</i> |

| Signed | | | |
|------------------|-------------|------------------|-------------|
| Captain | <i>Name</i> | <i>Signature</i> | <i>Date</i> |
| Secretary | <i>Name</i> | <i>Signature</i> | <i>Date</i> |



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SPECIAL ACCESS GRANT APPLICATION GUIDELINES 2019

Not enough money to contribute to a VESEP application
but your Brigade / Group really needs the VESEP funding to contribute towards the total cost of a
critical item of equipment or station improvement?

Need **financial assistance** with a VESEP application?

NO WORRIES!

Recognising that many Brigades/Groups are unable to raise the necessary contribution for a VESEP project, the CFA VESEP Steering Committee has come to your assistance. They have made allowance for a Special Access Grant.

In other words, Brigades/Groups not flushed with funds can nominate how much they can contribute, if anything at all, towards the project, and request a special access grant to help with the remainder of the Brigade/Group contribution.

HOW DOES IT WORK?

You can receive financial assistance towards your project item if you meet the **Special Access Criteria** detailed on the Special Access Grant Application form:

- Talk to your District Catchment Officer /Operations Manager about your situation and your plans to seek their justification of your special access application.
- Describe and document why you're unable to make the full brigade contribution.
- List any purchases over \$1,000 you made over the last three years.
- Detail what fundraising activities you've been involved in over the last three years.
- Provide a copy of Brigade / Group Audit Financial Reports over the last three years.
- Obtain the endorsement of your Operations Manager & Assistant Chief Officer.

Contact your District Catchment Officer/Operations Manager if you want to progress a **VESEP Special Access Application**

CFA provided a copy with the VESEP mail-out to your Brigade / Group

It's available also on the VFBV VESEP page



LOG IN TO
 BRIGADES ONLINE
 THEN START
 HERE



<http://cfaonline.cfa.vic.gov.au/mycfa/Show?pageId=bovVehicleAbout>
 CFA: Brigades Online / Brigade / Property and Equipment / Brigade Owned Vehicles / Current VESEP Details
 Then, to obtain appropriate document with details of item you're seeking, from the panel on left select:



EQUIPMENT INFORMATION

search this web page if looking for

Amenities & Minor Works

- VESEP – Field Hygiene Unit
- VESEP - Minor Works
- VESEP - Volunteer Amenities
- VESEP - Generator – x5 pages

Fire & Incident Management

- VESEP FCV - Common Vehicle Weights Table
- VESEP GVM Weight Proforma
- VESEP - Field Command Vehicle – Brigade Build Version
- VESEP - Field Command Vehicle – Standard Build

Firefighting Equipment

- VESEP Big Fill Trailer - Tandem & Single Axle
- VESEP General Purpose Trailer
- VESEP - Remote Area Lighting System
- VESEP - Thermal Imaging Camera
- VESEP – PPC Chainsaw Operations
- VESEP – Vegetation Management Side x Side Vehicle

TANKER INFORMATION

search this web page if looking for

Light Tanker

- VESEP - Light Tanker- Crew Cab
- VESEP - Light Tanker- Crew Cab Detailed Specification

Medium Tanker

- VESEP - Medium Tanker
- VESEP - Medium Tanker Specification

Tanker Costs

- VESEP – 2019/20 -Tanker Costs

Ultra Light Tanker

- VESEP - Ultra Light Tanker (Landcruiser)
- VESEP - Ultra Light Tanker Detailed Specification

SPECIALIST APPLIANCES

search this web page if looking for

Big Fill

- VESEP - Big Fill Detailed specification
- VESEP - Big Fill

Multi-purpose Vehicles

- VESEP – Multipurpose Vehicle
- VESEP – Rehabilitation Unit



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VESEP APPLICATION- SUPPORTING DOCUMENTS

1. Brigade letter on Brigade letterhead to accompany your application

to District HQ re Application for *your project item*

Sample contents of letter:

With our application is the supporting documentation required.

In addition we submit a few other details:

1. Financial situation/ statement/ Business Plan / Special Access Grant Application
2. Support from Neighbouring Brigades & Group
3. Support from Catchment Officer

Yours sincerely

2. Completed VESEP 2019/20 Application Form A or B *(1 page available in Word format)*

and if necessary, completed **Addition to the Fire Fighting Appliance Fleet Operational Justification**

3. Quotation - copy of quote from *supplier* indicating all inclusions, but excluding GST

4. Copy of most recent Bank Statements

5. Copy of Brigade Financial Plan *indicating where the brigade monies are being directed and if necessary, include your **Special Access Grant Application.***

6. Supporting Documents you provide re your Brigade/Group

- *provide a few details / or a statement for each point*

- Name of Brigade / Group & item sought
- A few details about the Brigade
 - Group
 - Shire
 - Vegetation types
 - Fire risks
 - Traffic - if congestion is an issue
 - Victorian Risk Register rating - if applicable
- How the equipment/vehicle/project would be helpful in light of all this information.

Brigade Information - *provide a few details for each point*

- How will your brigade consistently crew and operate vehicles and/or equipment?
- Will the vehicle be housed in the fire station?
- Does the vehicle meet the Regional Strategic Resourcing Plan?
- Brigade Turnouts per year?
- Time distance from next neighbouring Brigade

Selection Criteria - *provide a few details for each point (See "CFA Guidelines" pg 3-4)*

- Needs assessment
- Risk assessment
- Ability to crew and operate- further details
- Benefit to community / catchment
- Does item fall within Brigade/Group core responsibilities?
- How the project will enhance your operational readiness/ service delivery



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CASE STUDIES

The VFBV website has Case Studies from Brigades and Groups who were recipients of previous VESEP grants.

The Case Studies are provided by volunteer members to provide inspiration and support

- ✿ in each of the five VESEP Categories
- ✿ by providing recommended tips / handy hints
- ✿ What the Brigade or Group thought made their application successful

Check out www.vfbv.com.au/vesep.php on a regular basis to read how others succeeded with their application

VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM
VFBV VESEP SUPPORT CONTACT DETAILS

| | | | | | | | | | | | | | | | | |
|--|--|--|---------------|--------------|--|--------------|--------------|--|-------------|--------------|--|---------------|--------------|------------------------------------|------------|--------------|
| VFBV Application Help Pack | Downloadable at www.vfbv.com.au/vesep.php A paper copy is available on request. Call VFBV Office 9886 1141 | | | | | | | | | | | | | | | |
| Email support | vesep@vfbv.com.au | | | | | | | | | | | | | | | |
| Phone support | <table border="0"> <tr> <td>VFBV Support Officer <i>North East</i>:</td> <td>Michelle Ryan</td> <td>0409 109 447</td> </tr> <tr> <td>VFBV Support Officer <i>North West</i>:</td> <td>Glenn Mercer</td> <td>0409 119 477</td> </tr> <tr> <td>VFBV Support Officer <i>South East</i>:</td> <td>Mark Dryden</td> <td>0428 767 258</td> </tr> <tr> <td>VFBV Support Officer <i>South West</i>:</td> <td>Peter Sharman</td> <td>0428 751 625</td> </tr> <tr> <td>VFBV Support Officer <i>West</i>:</td> <td>Chris Dent</td> <td>0407 334 684</td> </tr> </table> | VFBV Support Officer <i>North East</i> : | Michelle Ryan | 0409 109 447 | VFBV Support Officer <i>North West</i> : | Glenn Mercer | 0409 119 477 | VFBV Support Officer <i>South East</i> : | Mark Dryden | 0428 767 258 | VFBV Support Officer <i>South West</i> : | Peter Sharman | 0428 751 625 | VFBV Support Officer <i>West</i> : | Chris Dent | 0407 334 684 |
| VFBV Support Officer <i>North East</i> : | Michelle Ryan | 0409 109 447 | | | | | | | | | | | | | | |
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| VFBV Support Officer <i>South West</i> : | Peter Sharman | 0428 751 625 | | | | | | | | | | | | | | |
| VFBV Support Officer <i>West</i> : | Chris Dent | 0407 334 684 | | | | | | | | | | | | | | |

CFA VESEP CONTACT DETAILS

| | |
|-------------------------|---|
| Brigades Online | Brigade/ Property & Equipment/Brigade Owned Vehicles/ Current VESEP Details <i>then choose appropriate section for your project:</i> Tanker Information <u>or</u> Equipment Information <u>or</u> Specialist Appliances http://cfaonline.cfa.vic.gov.au/mycfa/Show?pageId=bovVehicleAbout |
| Phone support | Dianne Frost, CFA VESEP Project Coordinator Ph: 03 9262 8630 Email: d.frost@cfa.vic.gov.au |
| Your Operations Manager | or Catchment Officer Check with your CFA District Office |
| Minor Works Facilitator | Bruce Rowley VESEP Minor Works Project Manager - Land and Buildings Ph: 03 5735 3112 Email: b.rowley@cfa.vic.gov.au |



VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM

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ADDENDUM 1

CFA INFORMATION SHEETS

(Visit CFA website (link on page 10) to check more detail)

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| 4 | VESEP Medium Tanker Specifications | p 34 |
| 5 | FCV Common Vehicle Weights | p 39 |
| 6 | VESEP FCV – Brigade Build Specifications | p 41 |
| 7 | VESEP FCV – CFA Standard Build Specifications | p 42 |
| 8 | VESEP Big Fill Trailer Tandem Axle Specifications | p 46 |
| 9 | VESEP Single Axle Trailer Pump | p 48 |
| 10 | VESEP General Purpose Trailer Specifications | p 50 |
| 11 | VESEP Personal Protective Clothing Chainsaw Operations | p 51 |
| 12 | VESEP Remote Area Lighting System | p 52 |
| 13 | VESEP Field Hygiene Unit | p 53 |
| 14 | Thermal Imaging Camera | p 54 |
| 15 | Big Fill | p 55 |
| 16 | Rehabilitation Unit | p 64 |
| 17 | Multi-Purpose Vehicles | p 65 |
| 18 | Side x Side Vehicle | p 69 |
| 19 | Volunteer Amenities | p 71 |
| 20 | Minor Works | p 72 |

Tanker Costs – VESEP 2019/20



Pricing - Indicative @ April 2019

| Funding Source | ULT Landcruiser | Light Tanker Crew Cab | Medium Tanker Addition to Fleet | Medium Tanker Replacement Tanker |
|--------------------|-------------------|-----------------------|---------------------------------|----------------------------------|
| Brigade | \$ 20,000 | \$ 27,333 | \$123,333 | \$ 50,000 |
| Grant Contribution | \$ 115,000 | \$ 187,667 | \$ 246,667 | \$ 320,000 |
| Total | \$ 135,000 | \$215,000 | \$ 370,000 | \$ 370,000 |

Cost escalation to point of build in 2019/20 allow up to 10% increase.
Options available on some appliances at Brigade cost

Specifications

Detailed information regarding these appliances is available via Brigades on line:-
Brigade, Property & Equipment, Brigade Owned Vehicles, VESEP, Tanker information

Grant Formulas

ULT, Light & Medium Tanker (Replacements)

Cab Chassis

- \$2 VESEP to \$1 Brigade to a maximum VESEP contribution of \$100,000

Body

- Funded by grant contribution

Medium Tanker – Additions to Fleet

Body & Cab Chassis - \$2 VESEP to \$1 Brigade



Overview

The Ultra-Light Tanker delivers increased water, enhanced fire suppression capability and ergonomic features. This vehicle is licensed to carry 2 people including the driver. The vehicle has a manual transmission and does not require an endorsed licence to drive. The body and cab chassis conform to CFA operational safety standards. These appliances are not designed to have personnel operating from the tray area. The ULT's primary role for wildfire is to perform first attack on spot sized / remote / difficult-to-access types of fires where these fires are safe to approach. It is also designed to perform support for back operations, mopping up and patrolling duties.

Cab Chassis – Toyota LandCruiser

Toyota LandCruiser 70 series Workmate 4x4 MY2019 cab chassis. The Toyota LandCruiser is an upgraded 3.95 tonne GVM cab chassis with air-conditioning, aftermarket wide alloy wheels, all-terrain tyres and 110 litre fuel tank. The vehicle includes reversing camera, reversing alarm, map light, 2 x fire blankets, 2 x drink bottle holders, CFA map book holder, siren and emergency light controller, portable radio charger and CFA radio speakers.

Body Features

- Full aluminium construction, water cooled diesel engine pump, locker/pump panel lights parking lights switched.
- Full LED lighting including emergency lights, colour coded valve handles and angled pump control panel.
- 550 litre water tank capacity, live hose reel with 30mx19mm light weight hose and Spray-Flo branch, 1 x 65mm delivery, selectable flow nozzle with foam aspirator attachment, Dosatron foam system, LED work lights, 5.5m permanently connected suction hose.
- Supply and installation of radio (CFA and UHF), lights and sirens, battery guard
- Supply and fitment of decals
- Chainsaw & ancillary equipment

Provision of tools and equipment

4 lockers, 2 x rake hoes, shovel, 2 x drip torches, tool box, emergency Class "A" foam kit, first aid kit, collapsible knapsack, aluminium service hydrant, 4.5kg AB dry chemical extinguisher, Hazmat guidebook.



Indicative Costs

| | |
|--|------------------|
| Cab Chassis Costs Funding By Brigade & VESEP | \$60,000 |
| Funding Break up | |
| Brigade Contribution | \$20,000 |
| Grant Contribution | \$115,000 |
| Total Project Costs | \$135,000 |

Indicative prices as at April 2019 (excludes GST)
Cost escalation to point of build in 2019/20 up to 10% increase



BRIGADE OWNED VEHICLE BUILD-UP
Ultra-Light Tanker
(VESEP 2019/20)

1. CAB CHASSIS (VESEP / **Brigade Cost)**

Cab Chassis and associated fitments/equipment – including modifications to conform to CFA's operational safety standards

| DESCRIPTION |
|--|
| 1.1 MY2019 Toyota LandCruiser 70 Series Workmate (or equivalent) cab chassis of 4WD (4x4) configuration and a two (2) person single cabin with 5 Star ANCAP safety rating |
| 1.2 Cab chassis powered by a common rail direct injection turbo charged 4.5 litre V8 diesel engine with air to air intercooler. (Maximum Power: 151kW @ 3,400 RPM. Maximum Torque: 430Nm @ 1,200-3,200 RPM) compliant with ADR 80/03 (Euro 5) Emission Standards |
| 1.3 Gross vehicle mass rating (GVM) 3,950kg (up-rated by Pedders) |
| 1.4 Front Axle capacity rating 1,540kg (up-rated by Pedders) |
| 1.5 Rear Axle capacity rating 2,420kg (up-rated by Pedders) |
| 1.6 Wheelbase 3,180mm |
| 1.7 Turning circle 14.4m kerb-to-kerb |
| 1.8 Manual transmission with five (5) forward gears and one (1) reverse gear (with dual range transfer case) |
| 1.9 Automatic locking front hubs |
| 1.10 Ventilated disc service brakes fitted with ABS, Brake Assist, Vehicle Stability Control, Hill Start Assist Control, Electronic Brake Force Distribution and Active Traction Control |
| 1.11 Five (5) 16" x 7" alloy rims (non-standard) fitted with all-terrain tyres (including spare wheel) |
| 1.12 Fuel tank capacity 110 litres (non-standard) |
| 1.13 Cabin interior including engine immobilizer, cruise control, idle-up control, tilt and telescopic steering column, power steering, fully integrated air-conditioning, driver and passenger SRS airbags, curtain shield and driver's knee airbags, emergency locking retractor seatbelts |
| 1.14 Front seating incorporating: <ul style="list-style-type: none"> • Standard bucket style driver's seat suitable for off-road operation • Standard bucket style passenger seat |
| 1.15 Air cleaner snorkel fitted to the engine air intake and air cleaner fitted with a flameproof air filter element (non-standard) |
| 1.16 12 volt electrical system c/w 130 ampere alternator |
| 1.17 Polished aluminium bull bar |
| 1.18 3,500kg rated towbar, c/w towball and wiring |
| 1.19 Bonnet protector |
| 1.20 Two (2) headlight protectors |
| 1.21 Intercooler bonnet guard |
| 1.22 Steering arm protector |
| 1.23 Engine turbo air intake heat shield |
| 1.24 Two (2) front wheel fender flares |
| 1.25 Two (2) rubber floor mats |
| 1.26 Vehicle's exhaust discharges to rear of vehicle on nearside |
| 1.27 Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |
| 1.28 Compliance to Australian Design Rules (ADR's), relevant standards, regulations and Codes of Practice |

2. **FIRE PUMP & PLUMBING** (VESEP Cost)

Fire Pump Set and Associated Equipment

| DESCRIPTION | |
|-------------|--|
| 2.1 | GAAM Mk70 / Kubota Z482 (or equivalent) single-stage centrifugal fire pump close coupled to a water-cooled diesel engine, with a minimum closed pump pressure of 900 kPa and a nominal flow rate of 500 litres/min. at 500 kPa – sufficient for two (2) 38mm lines with a 3 metre suction lift |
| 2.2 | Pump priming performed by a hand-operated diaphragm pump |
| 2.3 | Pump plumbing arrangement (All plumbing manufactured from stainless steel) <ul style="list-style-type: none"> • Delivery manifold consisting of one (1) 65mm Storz coupling outlet • “Tank Fill Line Draughting” plumbing originating from the delivery manifold • Suction Manifold consisting of a separate permanently connected 5.5m x 64mm flexible suction hose with 75mm Storz couplings and suction strainer, and a 64mm water tank inlet • Separate 38mm water “Tank Fill” line fitted with a 38mm external lug coupling • Pump cooling (bleed) line including in-line strainer and check valve |
| 2.4 | Pump engine fitted with 12V starter motor, 12V “Energise to Stop” solenoid and controls (powered from cab chassis 12V battery) |
| 2.5 | Pump controls and instrument panel mounted at the rear of the vehicle |
| 2.6 | Pump engine fuel system supplied from the cab chassis diesel fuel tank via a separate 12V fuel pump, header tank and fuel filter |
| 2.7 | Pump engine exhaust system discharges horizontally below rear of body |
| 2.8 | Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |

3. **BODYWORK** (VESEP Cost)

Bodywork Build-up Arrangement

| DESCRIPTION | |
|-------------|---|
| 3.1 | Aluminium tray frame |
| 3.2 | Front of the tray frame fitted with an aluminium light mounting frame (headboard) |
| 3.3 | Rear of the tray frame fitted with an aluminium light mounting frame |
| 3.4 | Two (2) aluminium stowage lockers (NS1 & NS2, including stowage brackets and listed stowage equipment) located above tray on the nearside front of the body |
| 3.5 | Two (2) aluminium stowage locker (OS1 & OS2, including stowage brackets and listed stowage equipment) located above tray on the offside front of the body |
| 3.6 | One (1) aluminium stowage locker (Standpipe locker, including stowage brackets and listed stowage equipment) located below tray on the nearside rear of the body |
| 3.7 | One (1) aluminium stowage locker (Suction Hose locker, including stowage brackets and listed stowage equipment) located below tray on the offside rear of the body |
| 3.8 | One (1) 550 litre nominal capacity fabricated aluminium water tank complete with one (1) sight level gauge, centrally located on the tray frame |
| 3.9 | One (1) live hose reel c/w 30m x 19mm lightweight Neider hose and 1 x Dial-A-Jet nozzle |
| 3.10 | Live hose reel fitted with a Dosatron Foam System c/w "Off/Water/Foam" 3-way selector valve |
| 3.11 | Rear wheels fitted with aluminium mudguards |
| 3.12 | CFA radio c/w hand held control head and ignition relay |
| 3.13 | CFA portable radio charger (supplied with a CFA portable radio, if vehicle is additional to fleet) |
| 3.14 | External rear speaker for CFA radio (mounted on front light mounting frame) |
| 3.15 | GME XRS-370C UHF CB radio |
| 3.16 | Reversing camera c/w dash-mounted display |
| 3.17 | Reversing buzzer |
| 3.18 | Hazard Systems CS202 Hand-Held Siren/Light Controller (or equivalent) with control pad mounted on cabin dash and 100W speaker mounted on bull bar |
| 3.19 | Flashing headlights (alternate flashing) |
| 3.20 | Four (4) red and blue LED hazard lights (2 at front and 2 at rear of appliance) |
| 3.21 | One (1) red and blue LED mini light bar (mounted on front light mounting frame) |
| 3.22 | Two (2) LED scene lights (mounted on front light mounting frame) |
| 3.23 | One (1) Pump Bay LED scene light (mounted on rear light mounting frame) |
| 3.24 | One (1) Rear LED scene light (mounted on rear light mounting frame) |
| 3.25 | Two (2) LED combination rear tail/stop/indicator/reversing lamps (on rear bumper bar) |
| 3.26 | Two (2) LED reversing lights angled at 45° (c/w separate switch) |
| 3.27 | LED locker lights |
| 3.28 | LED flexible arm map light in cabin |
| 3.29 | Intellitec Battery Guard |
| 3.30 | CFA reflective Red/Yellow chequer striping, reflective yellow striping at rear and outline profile of body and cabin, CFA logos, " FIRE ", " Emergency 000 " and " Brigade Name " decals and " Aerial ID " number |
| 3.31 | Cabin engraved nameplates and decals |
| 3.32 | Weighbridge certificate of completed appliance |
| 3.33 | Registration |
| 3.34 | Operating instructions |
| 3.35 | Stowage supplied as per Section 4 |
| 3.36 | Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |
| 3.37 | Compliance to Australian Design Rules (ADR's), relevant standards, regulations and Codes of Practice |

4. **STOWAGE** (VESEP / **Brigade Cost**)

CFA-approved Stowage equipment supplied as follows:

| Description | Contractor and/or CFA F&PE to Supply | CFA Brigade to Supply (see Note) |
|--|--------------------------------------|----------------------------------|
| Cabin Stowage | | |
| 2 x 600ml drink bottles | | ✓ |
| CFA Map book(s) | | ✓ |
| 1 x CFA Portable Radio (either supplied by CFA after delivery if vehicle is additional to fleet, or supplied by Brigade after delivery if a replacement vehicle) | ✓ | ✓ |
| 2 x All-weather rubber floor mats | ✓ | |
| 1 x Cab Chassis Jack, Jack handle, Spare Wheel Winch Handle and Tools | ✓ | |
| 1 x Cab Chassis Operating Manual | ✓ | |
| 1 x Pump Operating Manual | ✓ | |
| 1 x CFA Vehicle & Pump Log Book | ✓ | |
| 1 x CFA Radio Operating Manual | ✓ | |
| 1 x Tanker Operating and Spare Parts Manual | ✓ | |
| 1 x Dosatron Foam System Operating Manual | ✓ | |
| 2 x CFA fire blankets | ✓ | |
| 1 x CFA First Aid Kit (soft bag) | ✓ | |
| 1 x "SAA/ANZ HB 76:2010 Dangerous Goods – Initial Emergency Response Guide" book | ✓ | |
| Nearside Locker - Front (NS1) | | 30kg max. capacity |
| 2 x Crew turn out bags | | ✓ |
| Nearside Locker - Rear (NS2) | | |
| 1 x 15 metre x 64mm Duraline delivery hose with 65mm Storz couplings | ✓ | |
| 2 x 30 metre x 38mm synthetic delivery hoses with 38mm external lug couplings | ✓ | |
| 2 x 30 metre x 25mm synthetic delivery hoses with 38mm external lug couplings | ✓ | |
| 1 x 10 metre x 38mm Duraline delivery hose with 38mm external lug couplings | ✓ | |
| 1 x 65mm Storz to 64mm x 3TPI female loose nut adaptor | ✓ | |
| 1 x 65mm Storz to 64mm x 5TPI female loose nut adaptor | ✓ | |
| 1 x 65mm Storz to 75mm Storz adaptor | ✓ | |
| 1 x 65mm Storz to 38mm external lug adaptor | ✓ | |
| 1 x TFT DQS60P Quadrafog 20-230 litres/min. selectable flow nozzle c/w blue bale arm, blue pistol grip and 38mm external lug coupling | ✓ | |
| 1 x TFT AYLND-NF long handle forestry gated Wye outlet c/w 3 x 38mm external lug couplings | ✓ | |
| 1 x Scotty 4080 pistol grip bale shut-off fitted with 1 x Scotty 4020 air aspirating foam nozzle and 1 x 38mm external lug coupling | ✓ | |
| 2 x "OneKey" spanners (to suit 65mm and 75mm Storz couplings) | ✓ | |
| Rear Nearside Under-Tray (Standpipe) Locker | | |
| 1 x CFA-approved aluminium short barrel service hydrant / standpipe c/w 65mm Storz couplings and 1 x blank cap with chain | ✓ | |
| 1 x Standpipe key holder c/w 1 x "OneKey" spanner | ✓ | |
| Offside Locker - Front (OS1) | | 30kg max. capacity |
| 1 x Drink cooler ("Esky") | ✓ | |
| 600ml drink bottles (quantity to suit drink cooler) | | ✓ |
| Offside Locker - Rear (OS2) | | |

| Description | Contractor and/or CFA F&PE to Supply | CFA Brigade to Supply (see Note) |
|--|--------------------------------------|----------------------------------|
| 1 x Stihl MS311 FarmBoss chainsaw c/w 45-50cm bar and drip tray | ✓ | |
| 1 x Stihl Pro Saw chainsaw helmet | ✓ | |
| 1 x Stihl chainsaw chaps (regular 100cm) | ✓ | |
| 1 x Stihl 3/8" chainsaw chain sharpening kit (to suit the Stihl MS311 chainsaw) | ✓ | |
| 1 x Stihl combination chainsaw fuel (5 litre) and chain / bar oil (3 litre) canister | ✓ | |
| 1 x 5 litre fire lighter / drip torch metal fuel container | ✓ | |
| 1 x small tool bag c/w basic tool assortment | ✓ | |
| 1 x Plastic funnel (to suit chainsaw & drip torch) | ✓ | |
| 1 x Firelogistics Backcare Boss 40-001-2603-0192 collapsible knapsack | ✓ | |
| 1 x Short handle bolt cutters | ✓ | |
| 1 x Class "A" foam kit | ✓ | |
| 1 x Suction hose float c/w chain and "D" shackle | ✓ | |
| 1 x Angus STRBASK75 (Hoenig) stainless steel wire mesh basket strainer | ✓ | |
| 1 x 10 metre x 12mm synthetic rope | ✓ | |
| 1 x 4.5kg ABE dry chemical fire extinguisher | ✓ | |
| Rear Offside Under-Tray (Suction Hose) Locker | | |
| 1 x 5.5 metre x 65mm (pre-connected) flexible suction hose c/w 75mm Storz couplings and 1 x 250mm long stainless steel suction strainer with 75mm Storz coupling | ✓ | |
| Tray Stowage | | |
| 2 x 4 litre Firebug fixed wand fire lighters / drip torches | ✓ | |
| 1 x 20 litre Phoscheck WD881 Class 'A' foam drum | ✓ | |
| 1 x 30 metre x 19mm lightweight Neidner delivery hose c/w 38mm external lug coupling and 1 x " Dial-A-Jet " rotary nozzle c/w 38mm external lug coupling (on live hose reel) | ✓ | |
| 1 x Live hose reel rewind handle | ✓ | |
| Below-Tray Stowage | | |
| 2 x Rake hoes | ✓ | |
| 2 x Wheel chocks | ✓ | |
| 1 x Removable tongue c/w towball for towbar | ✓ | |
| 1 x Spare wheel and tyre | ✓ | |
| Between Cabin and Tray Stowage | | |
| 1 x Long handle shovel | ✓ | |
| 1 x Axe | ✓ | |
| 1 x Pulaski | ✓ | |
| Water Tank | | |
| 1 x Removable strainer (in overhead water tank filler) | ✓ | |

Note: Additional stowage items are not approved

Summary Specification Prepared By:
CFA Fleet and Protective Equipment

Issue 5
9 April 2019

Signed by CFA Fire Brigade

(Brigade Representative)

Date : / /

Approval by District Headquarters

(Operations Manager)

Date : / /

Overview

A new appliance to the CFA fleet, this crew cab light tanker has a nominal 1,700 litre tank which will include a new body and a new diesel powered pump. The body is mounted on an Isuzu NPS 75-155 4 x 4 crew cab chassis. The body and cab chassis conform to CFA operational safety standards.

Cab Chassis

Isuzu NPS 75-155 cab chassis of 4WD (4x4) crew cab configuration and 7.5T GVM, powered by a turbocharged diesel engine with nominal maximum power output: 114 kW @ 2,600 RPM and nominal maximum torque output: 419 Nm @ 1,600 – 2,600 RPM.

Body

The body is fitted with a fabricated aluminium tray frame and roll-over protection frame. The specifications include a 1,700 litre nominal fabricated polypropylene water tank with baffles for surge protection, an electric start water-cooled Kubota D902 diesel powered GAAM Mk150 pump capable of delivering 450 lpm @ 700 kPa. The body has a roll-over protection bar, crew protection system including electrically activated crew protection sprays, cabin mounted radiant heat shielding curtains, a low level water warning alert system, dual pump controls plus pump start facility in cabin, permanently coupled suction hose, dead hose reel, drink cooler, double width stowage locker (nearside) and slide-out locker (offside).

The body can have several optional fitments at Brigade cost. The options as listed: Live hose reel (in lieu of dead hose reel), Class "A" 'Quenchmaster' foam system. The tanker is supplied fully stowed with the exception of drinking water and CFA map books.

Visual Example



Indicative Cost

Cab Chassis Costs Funding By Brigade & VESEP \$82,000

Funding Break up

| | |
|--------------------------|-----------|
| Brigade Contribution | \$27,333 |
| Total Grant Contribution | \$187,667 |

Total Project Costs \$215,000

Indicative price is at April 2019 (excludes GST)
Cost escalation to point of build in 2019/20 allow up to 10% increase

LIGHT TANKER



Isuzu NPS 75-155

Rural rapid intervention firefighting vehicle predominantly used in grass or bush fires. Ideally suited for difficult to access areas. Can be used in "pump and role" or static operational modes.



www.cfa.vic.gov.au

COUNTRY FIRE AUTHORITY
4 Lakeside Drive Burwood East VIC 3151
PO Box 701 Mt Waverley VIC 3149

April 2018

LIGHT TANKER

Cab Chassis: Isuzu NPS 75-155 4x4
Crew Cab Chassis

GVM: 7,500 kg

Dimensions: Length 6.62 m, Height 2.50 m

Wheelbase: 3,395 mm

Crew: 5 person
(2 x Bucket Forward, 3 x Rear Bench Seat)

Engine: Turbocharged, Intercooled 5.193 L, 4
Cylinder Diesel, c/w Diesel Particulate
Diffuser (DPD) Emission Control

Nett Power: 114 kW @ 2,600 RPM

Nett Torque: 419 Nm @ 1,600 - 2,600 RPM

Transmission: 5 Speed Manual with 2 Speed Transfer Case

Main Pump: Single Stage Centrifugal Pump/Water Cooled
Diesel Engine

Pump Duty: 450 L/m @ 700 kPa

Primer Pump: Hand Priming Pump

Water Tank: 1,700 L Fabricated Polyethylene

Foam System: Around the Pump Inductive Class "A" Foam
System (20L)

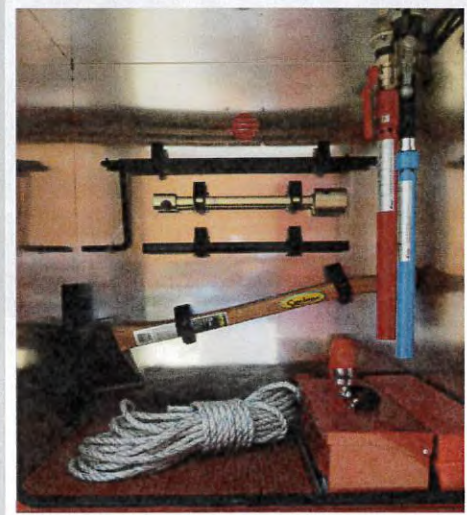
Body: Fabricated Aluminium Tray & Roll Bar
Stainless Steel Plumbing
Aluminium Panelling & Lockers
Dead Hose Reel
20 m Ø25 mm Live Hose Reel (Optional - In
Lieu of Dead Reel)
8 m Ø75 mm Pre-Connected Hard Suction
Cabin, Deck & Rear Control Panels
Full LED Body Lighting

Crew Protection: Cabin Internal B Post Stiffener
In Cabin Radiant Heat Protection Curtains
Cabin Water Spray Deluge System

Min. Lic. Class: Light Rigid



NS Locker



OS Locker

Stowage Equipment

- Adaptors
- Esky / Welfare
- Salvage
 - Hose (1 x Ø64 mm, 3 or 4 x Ø38 mm
Depending on Option)
- Branches
- Chainsaw





BRIGADE OWNED VEHICLE BUILD-UP
Light Tanker Crew Cab
(VESEP 2019/20)

1. CAB CHASSIS (VESEP / **Brigade Cost)**

Cab Chassis and associated fitments/equipment – including modifications to conform to CFA’s operational safety standards

| DESCRIPTION | |
|-------------|--|
| 1.1 | 2019 Isuzu NPS 75-155 4x4 Crew (or equivalent) cab chassis incorporating a forward control five (5) person crew cabin |
| 1.2 | Cab chassis powered by a direct injection turbo charged diesel engine. (Maximum Power: DIN-Net – 114 kW @ 2,600 rpm. Maximum Torque: DIN-Net – 419 Nm @ 1,600-2,600 rpm) compliant with ADR 80/03 (Euro 5) Emission standards |
| 1.3 | Manufacturer’s allowable G.V.M. 7,500 kg |
| 1.4 | Front Axle capacity rating 2,900 kg |
| 1.5 | Rear Axle capacity rating 5,600 kg |
| 1.6 | Wheelbase 3,395mm |
| 1.7 | Turning circle 14 metres, kerb-to-kerb |
| 1.8 | Manual transmission with five (5) forward gears & one (1) reverse gear (with dual range transfer case), or Optional Automated Manual Transmission (AMT) or Automatic Transmission (AT) |
| 1.9 | Limited slip differential fitted to the rear axle |
| 1.10 | Vacuum/hydraulic service brakes |
| 1.11 | Exhaust brake fitted with automatic disengagement whilst the vehicle is in “neutral” |
| 1.12 | Drum parking brake on transmission output shaft |
| 1.13 | Tyres – Steel-belted tubeless traction radial off road pattern |
| 1.14 | Fuel tank capacity 140 litres |
| 1.15 | Cabin Interior including manufacturer’s standard fully integrated air-conditioning, driver and front outboard passenger air bags, electric windows and central locking with remote keyless entry and immobiliser |
| 1.16 | Seating incorporating: <ul style="list-style-type: none"> • Driver’s adjustable spring suspension seat suitable for off-road operation (non-standard) • Front passenger bench seat (with centre seat replaced by document stowage console) • Rear passenger bench seat fitted with three (3) lap-sash seat belts (non-standard) |
| 1.17 | Heated and powered exterior main mirrors and independently adjustable convex “spot” mirrors |
| 1.18 | 24 volt electrical system c/w 90 ampere alternator |
| 1.19 | Polished aluminium bull bar fitted with centrally mounted tow pin |
| 1.20 | Two (2) Hella fog lights fitted in bull bar |
| 1.21 | Approved metal case Oblan or Donaldson pre-cleaner fitted to the air intake tube |
| 1.22 | Vehicle’s exhaust discharges horizontally to left-hand side rear of vehicle |
| 1.23 | Steel encircling loops fitted around each driveshaft |
| 1.24 | All brake and fuel lines constructed from approved fire resistant material |
| 1.25 | 50 mm wide “Yellow” step rings fitted to front wheels |
| 1.26 | Metal exterior door handles and surrounds (non-standard) |
| 1.27 | Crew cabin fitted with “B” Post stiffener (non-standard) |
| 1.28 | Crew cabin fitted with electro-hydraulic cab tilt (non-standard) |
| 1.29 | Red-painted cabin |
| 1.30 | Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |
| 1.31 | Compliance to Australian Design Rules (ADR’s), relevant standards, regulations and Codes of Practice |

2. **FIRE PUMP & PLUMBING** (VESEP Cost)

Fire Pump Set and Associated Equipment

| DESCRIPTION | |
|-------------|--|
| 2.1 | GAAM Mk 150 / Kubota D902 (or equivalent) single-stage centrifugal fire pump close coupled to a water-cooled diesel engine with a minimum closed pump pressure of 1,150 kPa and a nominal flow rate of 450 litres/min. at 700 kPa – sufficient for two (2) 38mm lines or one (1) 64mm line with a 3 metre suction lift |
| 2.2 | Pump priming performed by a hand-operated diaphragm pump |
| 2.3 | Pump plumbing arrangement (All plumbing manufactured from stainless steel) <ul style="list-style-type: none"> • Delivery manifold consisting of two (2) 38mm external lug coupling outlets and one (1) 65mm Storz outlet • “Tank Fill Line Draughting” plumbing originating from the delivery manifold • Front delivery plumbing consisting of right and left-hand side under-tray 38mm external lug coupling outlets and three (3) 38mm external lug coupling outlets above-tray at front of body • Suction Manifold consisting of a separate permanently connected 8 metre x 75mm flexible suction hose, 65mm Storz “Hydrant Boost” inlet and 64mm water tank inlet • Separate 50mm water “Tank Fill” line fitted with a 65mm Storz coupling located on nearside of body • Front bull bar mounted tyre sprays plumbing originating from the right-hand side under-tray delivery plumbing c/w in-cabin mounted operating valve • Pump cooling (bleed) line including in-line strainer and check valve |
| 2.4 | Pump engine fitted with 24V starter motor and controls (powered from cab chassis 24V battery) |
| 2.5 | Pump controls and instrument panel mounted on the nearside rear of the vehicle with duplicated controls mounted off the roll-over protection bar and pump start controls included in the cabin control panel |
| 2.6 | Pump engine fuel system integrated with the cab chassis diesel fuel system |
| 2.7 | Pump engine exhaust system discharges vertically at offside rear of body |
| 2.8 | Pump engine fitted with Oblan C-021ES combination air filter/pre-cleaner c/w flameproof air filter element |
| 2.9 | Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |

3. BODYWORK (VESEP Cost)**Bodywork Build-up Arrangement**

| DESCRIPTION | |
|-------------|---|
| 3.1 | Aluminium tray frame |
| 3.2 | Tray frame fitted with aluminum chequer plate floor panels in the crew and walkway areas |
| 3.3 | Front of the tray frame fitted with an aluminium Roll-Over Protection Bar |
| 3.4 | Each side of the body fitted with a crew access step, access door and continuous handrailing |
| 3.5 | Crew Protection features, including: <ul style="list-style-type: none"> • “Drop-down” radiant heat protection curtains fitted to cabin windscreen and side windows • Electrically actuated crew spray protection system sprays fitted to cabin, tyres, pump and rear pump control panel • Cabin rear window replaced with aluminium panel • Sides and rear of the body enclosed with aluminium heatshielding panels • Aluminium infill panels between the cabin and body |
| 3.6 | Digital crew communication intercom system between cabin and deck area |
| 3.7 | Top of the aluminium heatshielding panels on the offside and nearside front of the body fitted with safety yellow handrailing |
| 3.8 | Aluminium double-width stowage locker NS1 (including stowage brackets and listed stowage equipment) located on the nearside of the body |
| 3.9 | Aluminium blanket locker (including listed stowage items) located on top of NS1 accessible from the deck on the nearside of the body |
| 3.10 | Aluminium slide-out locker OS1 (including stowage brackets and listed stowage equipment) located on the offside of the body |
| 3.11 | Supply and fitment of stowage brackets and listed stowage equipment for the tray area |
| 3.12 | Reversing Camera (integrated with Isuzu Digital Audio Visual Entertainment Unit in-cabin display) |
| 3.13 | 1,700 litre (<u>nominal</u>) fabricated HDPE water tank complete with baffles and three (3) sight level gauges, centrally located on the tray frame |
| 3.14 | One (1) dead hose reel <i>(Alternative: See Options – Item No. 5.1 for Live Hose Reel in lieu of Dead Hose Reel)</i> |
| 3.15 | Rear bumper bar complete with two (2) towing eyes and combination LED rear tail lamps |
| 3.16 | Rear wheels fitted with aluminium mudguards |
| 3.17 | A two (2) battery roll-out battery carrier, complete with radiant heat shielding (on nearside) |
| 3.18 | Intellitec Battery Guard battery management system with Reset button located on cabin dash |
| 3.19 | 24 Volt jump-start/battery charger socket (located adjacent to the battery carrier) |
| 3.20 | Two (2) red and blue LED mini light bars on cabin roof (blanked off to rear) |
| 3.21 | Four (4) red and blue LED hazard lights (2 at front and 2 at rear of appliance) |
| 3.22 | Alternate flashing headlight system |
| 3.23 | Central Coast Siren System |
| 3.24 | Low water level indication system |
| 3.25 | CFA radio c/w ignition relay |
| 3.26 | Rear speaker for CFA radio |
| 3.27 | CFA portable radio charger (and CFA portable radio, if vehicle is additional to fleet) |
| 3.28 | Three (3) flexible arm-type LED map reading lights in cabin (one on dash and two in rear) |
| 3.29 | Stowage lockers illuminated with internal LED lighting |
| 3.30 | Tray access steps and under-tray plumbing illuminated with LED lighting |
| 3.31 | Crew area LED lighting installed in the walkway and pump bay areas of the body |
| 3.32 | Two (2) handheld LED spotlights with flexible cords: <ul style="list-style-type: none"> • One (1) mounted at the offside of the vehicle off the water tank heat shield • One (1) mounted in the crew area with provision for mounting off either the left or right hand side of the roll-over protection bar and additional stowage brackets in crew area |

| DESCRIPTION |
|--|
| 3.33 One (1) handheld halogen spotlight with flexible cord in cabin |
| 3.34 CFA reflective Red/Yellow chequer striping, reflective yellow striping at rear and outline profile of body and cabin, CFA logos, " FIRE ", " Emergency 000 " and " Brigade Name " decals and " Aerial ID " number |
| 3.35 Engraved nameplates and decals |
| 3.36 Stowage equipment supplied as per Section 4 |
| 3.37 Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |
| 3.38 Compliance to Australian Design Rules (ADR's), relevant standards, regulations and Codes of Practice |

4. **STOWAGE** (VESEP / **Brigade Cost**)

CFA-approved Stowage equipment is supplied as follows:

| Description | Contractor and/or CFA F&PE to Supply | CFA Brigade to Supply (see Note) |
|---|--------------------------------------|----------------------------------|
| Nearside Locker (NS1) (Double width) | | |
| 1 x CFA First Aid Kit | ✓ | |
| 1 x Emergency "A" Class foam kit (If foam system optioned) | ✓ | |
| 1 x Small Town Shut-off branch c/w 38mm external lug coupling | ✓ | |
| 1 x Quell TPB15-38mm brass fog nozzle c/w 38mm external lug coupling | ✓ | |
| 1 x 64mm x 3TPI female loose nut – 75mm Storz adaptor | ✓ | |
| 1 x 65mm Storz – 75mm Storz adaptor | ✓ | |
| 1 x 65mm Storz – 64mm x 3TPI male adaptor | ✓ | |
| 1 x 65mm Storz – 38mm external lug coupling adaptor | ✓ | |
| 2 x 65mm Storz spare bollards | ✓ | |
| 2 x 64mm spare bollards | ✓ | |
| 1 x 4.5kg ABE Dry Chemical Fire Extinguisher | ✓ | |
| 2 x Short handled 65mm/75mm Storz coupling spanners | ✓ | |
| 2 x MFB hose spanners | ✓ | |
| 1 x Combined live/dead hose reel handle | ✓ | |
| 6 x 38mm external lug coupling washers | ✓ | |
| 4 x 64mm x 3TPI female-coupling washers | ✓ | |
| 2 x 65mm Storz coupling (delivery) washers | ✓ | |
| 3 x 38mm spare bollards | ✓ | |
| 1 x 10 metre x 64mm Duraline delivery hose c/w 65mm Storz couplings | ✓ | |
| 1 x 15 metre x 38mm Duraline delivery hose c/w 38mm external lug couplings | ✓ | |
| 3 x 30 metre x 38mm Duraline delivery hoses c/w 38mm external lug couplings (If dead hose reel fitted) | ✓ | |
| 2 x 30 metre x 38mm Duraline delivery hoses c/w 38mm external lug couplings (If live hose reel optioned in lieu of Dead Hose Reel) | ✓ | |
| 1 x Stihl MS311 FarmBoss chainsaw c/w 50cm bar and drip tray | ✓ | |
| 1 x Stihl Pro Saw chainsaw helmet | ✓ | |
| 1 x Stihl chainsaw chaps – regular 100cm | ✓ | |
| 1 x Stihl 3/8" chainsaw chain sharpening kit (to suit the Stihl MS311 chainsaw) | ✓ | |
| 1 x 5 litre Husky "Comb Can" (or equivalent) chainsaw fuel/oil container | ✓ | |
| 1 x 10 litre fire lighter / drip torch metal fuel container | ✓ | |
| 1 x Plastic fuel funnel (to suit chainsaw and drip torch) | ✓ | |
| 1 x CFA Hazardous Tree Kit | ✓ | |
| Blanket Locker (On top of NS1) | | |
| 3 x Crew protection blankets – 1.8m x 2.0m RED | ✓ | |
| Offside Slide-Out Locker (OS1) | | |
| 1 x Vehicle jack | ✓ | |
| 1 x Jack handle | ✓ | |
| 1 x Wheel nut spanner | ✓ | |
| 1 x Spare wheel winch handle | ✓ | |
| 1 x Tool box c/w basic tool assortment | ✓ | |
| 1 x Warning triangle set | ✓ | |
| 1 x 20 metre x 12mm synthetic rope | ✓ | |
| 1 x Axe | ✓ | |

| Description | Contractor and/or CFA F&PE to Supply | CFA Brigade to Supply (see Note) |
|---|--------------------------------------|----------------------------------|
| 1 x Angus Fire Foamlite B65 Medium expansion Class "A" foam branch c/w 38mm external lug coupling (If foam system optioned) | ✓ | |
| 1 x Phoenix R200 Low expansion Class "A" foam branch c/w 38mm external lug coupling (If foam system optioned) | ✓ | |
| On and Around the Crew Work Platform Area | | |
| 1 x Handheld LED spotlight c/w flexible cord and plug | ✓ | |
| 1 x 4 litre "Firebug" fixed wand firelighter | ✓ | |
| 1 x 25 litre Tropical Icebox T025 drink cooler | ✓ | |
| 600ml drink bottles (quantity to suit drink cooler) | | ✓ |
| 1 x Tank strainer (in water tank fill point) | ✓ | |
| 2 x 5 metre x 38mm Duraline delivery hoses c/w 38mm external lug couplings and 2 x Quell TPB15-38mm brass fog nozzles c/w 38mm external lug couplings | ✓ | |
| 1 x 5 metre x 38mm Duraline delivery hose c/w 38mm external lug couplings and 1 x Small Town shut-off branch c/w 38mm external lug coupling and 12mm nozzle | ✓ | |
| 1 x 20 metre x 25mm RED Ortac delivery hose c/w 38mm external lug couplings and 1 x Quell TPB15-38mm brass fog nozzle c/w 38mm external lug coupling (on live hose reel) (If live hose reel optioned in lieu of Dead Hose Reel) | ✓ | |
| On Rear of Body | | |
| 1 x CFA aluminium short barrel service hydrant / standpipe c/w 65mm Storz couplings and 1 x blank cap with chain | ✓ | |
| Below Tray | | |
| 1 x 20 litre carboy c/w 20 litres of Phoscheck WD881 "A" Class foam concentrate (on slide-out rack located offside) (If foam system optioned) | ✓ | |
| 2 x Rake hoes (located in under-tray locker at rear nearside) | ✓ | |
| 2 x Wheel chocks (one located on mudguard each side) | | |
| Between Cabin and Body | | |
| 1 x Handheld LED spotlight c/w flexible cord and plug | ✓ | |
| Suction Hose Locker | | |
| 1 x 8 metre x 75mm (pre-connected) flexible suction hose c/w 75mm Storz couplings and 300mm long stainless steel suction strainer with 75mm Storz coupling | ✓ | |
| 1 x Suction hose float c/w chain and "D" shackle | ✓ | |
| 1 x Angus STRBASK75 (Hoenig) stainless steel wire mesh basket strainer | ✓ | |
| In the Cabin | | |
| 5 x Crew protection blankets – 1.8m x 2.0m RED | ✓ | |
| 1 x Basic small First Aid Kit | ✓ | |
| 1 x Handheld halogen spotlight c/w flexible cord and plug | ✓ | |
| 1 x Tanker Operating manual | ✓ | |
| 1 x Quenchmaster Foam System operating manual (If foam system optioned) | ✓ | |
| 1 x Cab Chassis Owner's Manual | ✓ | |
| 1 x CFA Vehicle & Pump log book | ✓ | |
| 1 x Pump/Engine Operating Manual | ✓ | |
| 1 x CFA portable radio (either supplied by CFA after delivery if additional to fleet, or supplied by Brigade after delivery if a replacement appliance) | ✓ | ✓ |

| Description | Contractor and/or CFA F&PE to Supply | CFA Brigade to Supply (see Note) |
|----------------------|--------------------------------------|----------------------------------|
| 1 x CFA Map book | | ✓ |
| 5 x Wildfire helmets | | ✓ |

Note: Additional stowage items are not approved

5. **OPTIONS** (Brigade Cost)**Associated Fitments and Equipment**

| Description | Estimated Brigade Cost (excl. GST) (Note 1) | Please (✓) if required |
|---|--|---------------------------|
| 5.1 Live Hose Reel and delivery plumbing with 20 metres of 25mm Red "ORTAC" delivery hose (c/w 38mm external lug couplings) and one (1) Quell TPB15-38mm brass fog nozzle (c/w 38mm external lug coupling) tray mounted on the left hand side rear of the vehicle <i>(in lieu of Item No. 3.13 – Dead Hose Reel)</i> | \$2,800 | |
| 5.2 Class "A" Foam - GAAM Quenchmaster Foam System (including one (1) 20 litre fresh water tank, one (1) foam drum rack, one (1) 20 litre drum of Phoscheck WD881 Class "A" foam, one (1) foam kit and two (2) Angus foam expansion branches) | \$4,700 | |
| Total Brigade Cost | \$ | - |

Notes:

1. Indicative cost as at April 2019 (excludes GST)

Summary Specification Prepared By:
CFA Fleet & Protective Equipment

Issue 5
9 April 2019

Signed by CFA Fire Brigade

(Brigade Representative)

Date : / /

Approval by District Headquarters

(Operations Manager)

Date : / /

Overview

Each Medium Tanker project includes a cab chassis and body with a diesel powered pump. The body is mounted on a Hino GT 500 1322 or equivalent.

The body and cab chassis are to conform to CFA operational standards. The vehicle is licensed to carry five personnel including the driver and is designed primarily for a wildfire role.

Cab Chassis

Hino GT 500 1322 cab chassis of 4WD (4x4) turbo charged diesel engine with six speed (5 forward & 1 reverse) automatic transmission and two speed transfer case (4x4). Incorporates five (5) person crew – two in the front and 3 in rear all fitted with lap/sash seatbelts. The cab is fitted with an internal “B” pillar intermediate support bar. Radiant heat protection curtains are fitted to all cabin windows and the vehicle is fitted with a spray protection system with switch activation from cabin and crew tray area.

Body

- Polyethylene rota moulded water tank, 2,350 litres capacity including 650 litres of vehicle/crew spray protection water c/w baffle bones for surge protection.
- Fabricated steel/aluminium tray frame and external roll over protection bar.
- Class A Foam around-the pump proportioning system. Foam drum rack capacity; Two (2) x 20 litre carboys.
- 2 staged fire fighting pump with air-cooled diesel engine. Nominal output 900l/min @ 700kpa
- Water-cooled diesel driven Ultra High Pressure System (UHPS) (nom. 25 l/min @100 bar) connected to 1 x 12mm 60m electric rewind live hose reel mounted above tray OS rear and fitted with aspirating fog gun nozzle.
- 1 x electric bull bar mounted monitor fitted with adjustable nozzle (100-450 l/min) c/w in cabin joystick controller.
- Rear deliveries – 1 x 38mm external lug and 2 x 65mm Storz.
- 1 x electric rewind live hose reel c/w 20m of 25mm hose mounted above tray NS rear.
- Aluminium fabricated above tray lockering / stowage including multi function ladder and chainsaw
- Dead hose reel off side rear under tray
- Electric priming pump
- Tray mounted crew protection drop down awning
- BA Bracket (optional item at Brigade cost)



Indicative Costs

Indicative price is at April 2019 (excludes GST)

Cost escalation to point of build in 2019/20 allow up to 10% increase

| Additional Tanker | Funding | Replacement Tanker | Funding |
|---------------------------|------------------|---------------------------|------------------|
| Brigade Contribution | \$123,333 | Brigade Contribution | \$ 50,000 |
| Total Grant Contribution | \$246,667 | Total Grant Contribution | \$320,000 |
| Total Project Cost | \$370,000 | Total Project Cost | \$370,000 |

MEDIUM TANKER



Hino 1322 GT



Rural firefighting vehicle with sufficient water and pumping capacity for grass, bush and low complexity structural environments. Can be used in "pump and roll" or static operational modes.



www.cfa.vic.gov.au



COUNTRY FIRE AUTHORITY

4 Lakeside Drive Burwood East VIC 3151

PO Box 701 Mt Waverley VIC 3149

April 2018

MEDIUM TANKER

Cab Chassis: Hino 1322 GT 500 Series 4x4
Crew Cab Chassis

GVM: 13,000 kg

Dimensions: Length 7.34 m, Height 3.0 m

Wheelbase: 3,850 mm

Crew: 5 person (Individual Bucket Seating)

Engine: Turbocharged, Intercooled 7.684 L,
6 Cylinder Diesel, c/w Diesel Particulate
Active Reduction (DPR) Emission Control

Nett Power: 158 kW @ 2,400 RPM

Nett Torque: 637 Nm @ 1,500 RPM

Transmission: 6 Speed Automatic

Main Pump: Two Stage Centrifugal Pump/Air Cooled
Diesel Engine

Pump Duty: 900 L/m @ 700 kPa

Ultra High Pressure Pump: 25 L/m @ 100 bar, c/w 60 m Ø12 mm
Electric Rewind Hose Reel

Primer Pump: Electric Priming Pump

Water Tank: 2,350 L Polyethylene Rota Moulded

Foam System: Around the Pump Inductive Class "A" Foam
System (2 x 20 L)

Body: Galvanised Steel Tray Frame & Roll Bar
Stainless Steel Plumbing
Aluminium Panelling & Lockers
In Cabin Joystick Controlled Bull Bar Monitor
20 m Ø25 mm Electric Rewind Live Hose Reel
Dead Hose Reel
5.2 m Multi-Function Ladder
9 m Ø75 mm Pre-Connected Hard Suction
Cabin, Deck & Rear Control Panels
Full LED Body Lighting
CanBus Multiplexing

Crew Protection: Cabin Internal B Post Stiffener
In Cabin & Deck Radiant Heat Protection
Curtains
Full Vehicle Water Spray Deluge System

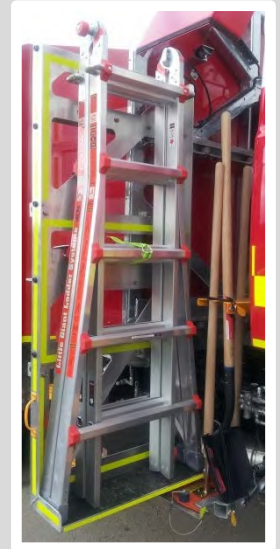
Min. Lic. Class: Medium Rigid



NS1 & 2 Lockers



OS1 & 2 Lockers



UHPS

Storage Equipment

- Breathing Apparatus (Optional)
- Adaptors
- Esky / Welfare
- Salvage
- Forcible Entry Tools
- Branches
- Chainsaw
- Rescue
- Hose (4 x Ø65 mm, 5 x Ø38 mm)



MEDIUM TANKER – 2019/20

OVERALL SPECIFICATIONS

| | | | |
|---------------------|------------------------------|-------------------|------------------------|
| □ GVM: | 13T | □ Overall Length: | 7.35 m |
| □ Crew: | 5 | □ Overall Height: | 3.0 m |
| □ Operating Weight: | 11.8T (<i>with 5 crew</i>) | □ Turning Circle: | 17.0 m (<i>nom.</i>) |
| | | □ Exit Angle: | 24 ⁰ |

CREW CAB CHASSIS (4x4)

- **Hino GT Series 500 1322 4x4** Crew Cab Chassis
- Engine – 158 kW (212HP) turbo-charged, intercooled, 6 cylinder diesel engine
- Six (6) speed (5 forward & 1 reverse) automatic transmission
- Seating for five (5) crew – 2 in the front & 3 in the rear (*all seats fitted with lap/sash seatbelts*)
- 200L fuel tank
- 11R22.5” **Bridgestone M857** tubeless tyres
- Air conditioning, electric windows, fog lights, reversing camera
- Air over hydraulic braking system (*incl. ABS*)
- Aluminum bull bar & electric cab tilt
- Cabin internal support bar (*B post stiffener*)
- **Thermaguard SUPERTHERM™** radiant heat protection curtains fitted to all cabin windows
- Vehicle/crew spray protection system (with 2 position switch activation – cabin and ROPS)

FIREFIGHTING BODY and PLUMBING

- Polyethylene rota molded water tank – 2,350 litres capacity (including 650 litres for a vehicle/crew spray protection system) c/w baffle bones for surge protection.
- Fabricated steel/aluminum tray frame & external roll over protection bar
- 2 Staged **GAAM Mk 300D** pump/22kW **Hatz 2L41C** diesel engine (**Output: 900 l/min @ 700 kPa**)
- Electric priming pump
- Water cooled diesel driven Ultra High Pressure System (UHPS) (**nom. 25l/min @ 100 bar**) connected to 1 x Ø12mm 60m electric rewind hose reel fitted with aspirating fog gun nozzle.
 - Note:** UHPS nearside rear mounted on a slide out frame (*for maintenance access*)
 - UHPS fitted with stand alone inductive foam system
- Major plumbing including:
 - 1 x TFT electric bull bar mounted monitor fitted with adjustable nozzle (*nom. min. 100-450 l/min capacity*) c/w remote “in cabin” joystick controller
 - Rear deliveries - 1 x Ø38mm (*external lug*) and 2 x Ø65mm (*Storz*)
 - NS/OS forward below tray deliveries (*per side*) - 1 x Ø38mm (*external lug*)
 - 1 x electric rewind live hose reel c/w 20m Ø25mm hose (*mounted above tray NS rear*)
 - Rear below tray hydrant boost – 1 x Ø65mm (*Storz*)
 - Hard suction c/w permanently connected 9m of Ø75mm “wire whipped” suction hose fitted in NS rear undertray locker (*NS deployed*)
 - NS undertray Ø65mm tank fill (*Storz*)
- Vehicle control system including:
 - CANBUS multiplexing
 - Cabin forward console – pump & emergency response system control
 - Deck console – pump control
 - Rear console – pump controls and tank/pump indication
- ROPS mounted “Crew Protection Drop Down Awning” with **StormKing Mountain®** radiant heat protection curtain
- **Quenchmaster** CF700CFA inductive Class “A” foam system c/w slide-out drum rack for 2 x 20 litre Carboys (*OS undertray*) feeding all deliveries & monitors
 - Note:** UHPS Class “A” foam capable via dedicated inductive system
- Aluminium fabricated above tray lockering/stowage (*comparable to 2.4C*) including:
 - **NS1** - optional BA – gas strut top hinged
 - **NS2** - hose, adaptors, chainsaw – gas strut top hinged
 - **OS1** (slide out for pump bay maintenance access) - salvage gear
 - **NS Cabin/Body** – PPE/Miscellaneous gear
 - Capacity to stow 4 x Ø64mm & 5 x Ø38mm hose (*incl. dead hose reel*)
- **Little Giant** 10103 MT22 Multi-function ladder (*min. 5.8m extended length*) OS mounted between the cabin and body on a slide out frame
- Dead hose reel. (*OS rear undertray*)
- 20L fresh water tank
- NS undertray welfare locker c/w 27L removable esky – sufficient for 24 x 600ml water bottles



Weight Loadings for Common Diesel 4x4 FCV's

| Vehicle | Gross Vehicle Mass (GVM) | Tare Weight (Standard Vehicle – No Accessories) | Available Payload |
|---|--------------------------|---|-------------------|
| Nissan Patrol Ti, V8 | 3500kgs | 2715kgs | 785kgs |
| Nissan Navara RX, 4WD Double Cab, Auto, Pick Up | 2910kgs | 1895kgs | 1015kgs |
| Nissan Navara SL, 4WD Double Cab, Manual/Auto, Pick Up | 2910kgs | 1931kgs / 1937kgs | 979kgs / 973kgs |
| Nissan Navara ST, 4WD Double Cab, Manual/Auto, Pick Up | 2910kgs | 1936kgs / 1942kgs | 974kgs / 968kgs |
| Nissan Navara ST X, 4WD Double Cab, Manual/Auto, Pick Up | 2910kgs | 1973kgs / 1979kgs | 937kgs / 931kgs |
| Nissan Navara RX, 4WD Double Cab, Manual/Auto, (Cab Chassis only) | 2910kgs | 1763kgs / 1783kgs | 1144kgs / 1127kgs |
| Toyota Prado GX, Manual/Auto | 2990kgs | 2230kgs / 2240kgs | 760kgs / 750kgs |
| Toyota Prado GXL, Manual/Auto | 2990kgs | 2315kgs / 2325kgs | 675kgs / 665kgs |
| Toyota Prado VX, Auto | 2990kgs | 2385kgs | 605kgs |
| Toyota Landcruiser LC200 GX, Auto | 3350kgs | 2640kgs | 710kgs |
| Toyota Landcruiser LC200 GXL, VX, Auto | 3350kgs | 2740kgs | 610kgs |
| Toyota Landcruiser LC70 Wagon Work Mate | 3060kgs | 2275kgs | 785 kgs |
| Toyota Landcruiser LC70 Wagon GXL | 3060kgs | 2265kgs | 795 kgs |
| Toyota Landcruiser LC70 Double Cab Work Mate (Cab Chassis only) | 3300kgs | 2190kgs | 1110kgs |
| Toyota Landcruiser LC70 Double Cab GXL (Cab Chassis only) | 3300kgs | 2175kgs | 1125kgs |
| Toyota Hilux Work Mate, Double Cab, Manual/Auto | 3000kgs | 2045kgs / 2045kgs | 955kgs / 955kgs |
| Toyota Hilux SR, Double Cab, Manual/Auto | 3000kgs | 2050kgs / 2045kgs | 950kgs / 955kgs |
| Toyota Hilux SR 5, Double Cab, Manual/Auto | 3000kgs | 2040kgs / 2045kgs | 960kgs / 955kgs |
| Toyota Hilux Work Mate, Double Cab, Auto, (Cab Chassis only) | 3000kgs | 1950kgs | 1050kgs |
| Toyota Hilux SR, Double Cab, Manual/Auto, (Cab Chassis only) | 3000kgs | 1955kgs / 1955kgs | 1045kgs |
| Holden Colorado LS, Double Cab, Manual/Auto | 3150kgs | 2072kgs / 2065kgs | 1078kgs / 1085kgs |
| Holden Colorado LT, Double Cab, Manual/Auto | 3150kgs | 2109kgs / 2102kgs | 1041kgs / 1048kgs |
| Holden Colorado LTZ, Double Cab, Manual/Auto | 3150kgs | 2128kgs / 2121kgs | 1022kgs / 1029kgs |
| Holden Colorado LS, Double Cab, Manual/Auto (Cab Chassis only) | 3150kgs | 1927kgs / 1920kgs | 1223kgs / 1230kgs |
| Ford Ranger XL, Double Cab, 3.2L, Manual/Auto | 3200kgs | 2108kgs / 2133kgs | 1092kgs / 1067kgs |
| Ford Ranger XL Plus, Double Cab, 3.2L, Auto | 3200kgs | 2210kgs | 990kgs |
| Ford Ranger XLS, Double Cab, 3.2L, Manual/Auto | 3200kgs | 2111kgs / 2136kgs | 1089kgs / 1064kgs |
| Ford Ranger XLT, Double Cab, 3.2L, Manual/Auto | 3200kgs | 2202kgs / 2227kgs | 998kgs / 973kgs |
| Ford Ranger XL, Double Cab, 3.2L, Manual/Auto (Cab Chassis only) | 3200kgs | 1982kgs / 2007kgs | 1218kgs / 1193kgs |
| Ford Ranger XL Plus, Double Cab, 3.2L, Auto (Cab Chassis only) | 3200kgs | 2086kgs | 1114kgs |
| Mitsubishi Triton GLX Double Cab Manual/Auto | 2900kgs | 1920kgs | 980kgs |
| Mitsubishi Triton GLX+ Double Cab Auto/Auto | 2900kgs | 1915kgs | 985kgs |
| Mitsubishi Triton GLS Double Cab Manual/Auto | 2900kgs | 1935kgs | 965kgs |
| Mitsubishi Triton GLX Double Cab Manual/Auto (Cab Chassis only) | 2900kgs | 1795kgs | 1105kgs |
| Mitsubishi Pajero GLX/GLS Manual / Auto | 3030kgs | 2255kgs | 775kgs |

Weight Loadings for Common Diesel 4x4 FCV's

| Vehicle | Gross Vehicle Mass (GVM) | Tare Weight (Standard Vehicle – No Accessories) | Available Payload |
|---|-----------------------------|--|-------------------|
| Mazda BT 50 XT, Double Cab, 3.2L Manual/Auto | 3200kgs | 2022kgs / 2036kgs | 1178kgs / 1164kgs |
| Mazda BT 50 XTR, Double Cab, 3.2L Manual/Auto | 3200kgs | 2091kgs / 2105kgs | 1109kgs / 1095kgs |
| Mazda BT 50 GT, Double Cab, 3.2L Manual/Auto | 3200kgs | 2104kgs / 2118kgs | 1096kgs / 1082kgs |
| Mazda BT 50 XT, Double Cab, 3.2L, Manual (Cab Chassis only) | 3200kgs | 1932kgs | 1268kgs |
| | | | |
| VW Amarok Core, Dual Cab, Auto | 3040kgs | 2022kgs | 1018kgs |
| VW Amarok Core Plus, Dual Cab, Auto | 3040kgs | 2052kgs | 988kgs |
| VW Amarok V6 Sportline, Dual Cab, Auto | 3080kgs | 2129kgs | 951kgs |
| VW Amarok V6 Highline, Dual Cab, Auto | 3080kgs | 2171kgs | 909kgs |
| VW Amarok V6 Ultimate, Dual Cab, Auto | 3080kgs | 2212kgs | 868kgs |
| | | | |
| Isuzu D-Max SX & LS-M, Double Cab Manual/Auto | 2950kgs | 2026kgs / 2026kgs | 924kgs / 924kgs |
| Isuzu D-Max LS-U, Double Cab Manual/Auto | 2950kgs | 2001kgs / 2001kgs | 949kgs / 949kgs |
| Isuzu D-Max SX, Double Cab Manual/Auto (Cab Chassis only) | 2950kgs | 1886kgs / 1891kgs | 1064kgs / 1059kgs |

Definition & Requirements of a Field Command Vehicle

A four wheel drive off road vehicle of an appropriate size to operate in the bush. An FCV would be used in a range of incident management roles including; incident control in a level 1 fire, Operations Officer, Sector Commander, Strike Team Leader, Ground Observer or Staging Area activities for level 2 or 3 incidents.

An FCV is to be built to the following specifications:

- Wagon or twin cab conventional vehicle diesel with snorkel intake
- Must be licensed to carry 4 or 5 people
- White or Red in Colour
- Fire Blankets
- Standard Light Bar, Grill lights & siren (funded separately)
- Two CFA radios, portable and one UHF radio (funded separately)
- Standard CFA Livery (funded separately)

Other Information

- All applications must be supported by a GVM weight pro forma as GVM upgrades will not be considered for any FCV vehicle.
- Brigades/Groups to supply VESEP Project Coordinator quotes for all components of the project. Coordination required between Brigade/Group and suppliers.
- Additional items will require District approval and be included within weight calculations

The GVM weight pro forma is available on Brigades on Line:- Brigade / Property & Equipment / Brigade owned vehicle / Equipment information. GVM upgrades are not permitted on any FCV.

For replacement vehicles previously funded through the program the \$2 : \$1 funding formulae will now only be applied to the net change over value (ie: cost less trade in value)



Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000.

Definition & Requirements of a Field Command Vehicle

Overview

- A FCV is a four wheel drive off road vehicle of an appropriate size to operate in the bush.
- The FCV delivers enhanced incident management capability and ergonomic features. This vehicle is licensed to carry 5 people including the driver.
- The vehicle has a six speed automatic transmission and does not require an endorsed license to drive.
- The FCV is used in a range of incident management roles including; incident control in a level 1 fire, Operations Officer, Sector Commander, Strike Team Leader, Ground Observer or Staging Area activities for level 2 or 3 incidents.

Cab Chassis – Ford Ranger 4x4 Utility (White)

- Five Star ANCAP Rating
- 3.2l Turbo Charged Diesel Engine
- 6 Speed automatic Transmission
- Dual batteries, and reversing alarm
- Nudge bar, snorkel and tinted windows
- Bluetooth, hands free phone and voice control
- AUX/USB/iPod integration
- Cruise control with steering wheel mounted buttons
- eLocking Rear Differential
- Dynamic Stability Control (DSC)
- Emergency Brake Assist
- Flashing Headlights
- Heavy Duty canvas seat covers
- Side Steps
- Towbar with flat pin wiring plug
- All-terrain tyres
- Two CFA Tait radios
- Driving Lights (RF Comms Safe Compatible)
- Reverse Camera
- GVM 3200kg



Warning lights, Siren System & Livery

(These items are funded separately)

- Light Bar Multi Colour 360 Degree Red/Blue Alternating
- Grill lights Multi Colour Red/Blue Alternating
- Siren System 100w with siren/lights integrated controller
- Standard CFA Livery





Body

- Purpose built powder coated service body with lift up doors. Transferable between cab chassis.
- Full aluminium construction
- Roll out under tray rear drawer
- Rubber matting
- Tie down points
- 12 to 240v Invertor
- Under tray lockers
- LED internal locker lights main compartment
- LED work lights
- 4.5kg AB dry chemical extinguisher
- One Tait Portable Radio Charger
- Six USB charging points (4 inside cabin, 2 inside body)
- Central locking of all above tray locker doors wired to Ford remote
- Adjustable shelves
- Fire protection for cab chassis electrical wiring looms
- ENGEL Fridge
- ENGEL Slide
- VASS Certification
- One UHF radio (GME)
- Rear seat map light
- Whiteboards



Body Layout



NEARSIDE



REAR



OFFSIDE



Other Information

- These vehicles are fully project managed by CFA Headquarters and delivered to the local District Office/ District Mechanical workshop when completed. This vehicle is a standard design therefore additional items or design changes will not be accommodated.
- There will be no requirement for Brigades/Groups to obtain specific quotes for any components.
- GVM upgrades will not be considered for any FCV vehicle.
- Light bar, siren, livery and radios are funded separately and do not require a brigade contribution.
- All additional items to be stowed will require District approval and not cause the GVM of the FCV to be exceeded
- For replacement vehicles previously funded through the CSESP or VESEP program the \$2 : \$1 funding formulae will be applied to the net change over value (ie: cost less sale value exc GST). The existing CSESP/VESEP FCV vehicle to be disposed of by the Brigade/Group. See example below.

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000.

Indicative Costs - exc GST

| | |
|----------------------------|-----------------|
| Brigade Contribution | \$26,667 |
| Grant Contribution | \$53,333 |
| Total Project Costs | \$80,000 |

Example of previously funded CSESP/VESEP vehicle formula.

| | |
|----------------------------------|-----------------|
| Total Project Cost | \$80,000 |
| Less estimated sale price | \$20,000 |
| Total Project Application | \$60,000 |

| | |
|----------------------|----------|
| Brigade Contribution | \$20,000 |
| Grant Contribution | \$40,000 |

Indicative prices as at April 2019 (excludes GST)

Cost escalation to point of build in 2019/20 up to 10% increase



Overview

The trailer pump has a tandem axle, equipped with a water cooled diesel engine with a nominal pump output of 2,000 L/min @700 kPa. Primarily utilised for water fill points on the fire ground however can also be connected to a hydrant, if necessary.

Trailer

- Fabricated galvanized steel/aluminum chequer plate tray frame and drawbar
- Tandem axle c/w mechanical override, hydraulic operated, drum brakes
- Jockey wheel, lockable tow coupling and 7 pin electrical connection
- Retractable rear end stabilizers
- 15” Light Truck tyres fitted to Sunraysia rims including spare
- Aggregated Trailer Mass (ATM) : 1.5 Tonne

Pump and Plumbing

- Water pump coupled to a 38kW water cooled diesel engine c/w noise suppression cowling
- 60L diesel fuel tank
- Electric priming pump
- 2 x 65mm Storz deliveries (near side)
- 9m 100mm pre connected suction hose fitted to the rear located in a dedicated locker behind tailgate

Electrical

- 4m extendable hand operated pneumatic light mast c/w 4 x LED lights
- Green “water point” LED strobe (mounted on top of light mast)
- NS control panel incorporating pump controls, gauges, warning lights and light switching
- Single battery and pre connected 240v trickle charging system

Stowage

- Red painted aluminum fabricated lockering c/w gas strut assisted “hinge up” doors and LED lockering

| | |
|--|---|
| Nearside 1 locker | Offside 1 locker |
| Hose (4x65mm-15m, 2x65mm-30m, 1x38mm-15m) | 3m x 3m CFA water point marquee |
| Miscellaneous adaptors | 2 x folding chairs |
| | Miscellaneous tools and first aid kit |
| General Tray | |
| 4.5kg dry chemical extinguisher | Offside 2 Locker |
| 10L diesel fuel container | 2 x 25L eskies |
| Shovel, aluminium hydrant, 2 x traffic cones | Personal Gear |
| Mussel c/w 100 mm Storz | |
| | Forward Wheel Arch Lockers x (2) |
| | Wheel chocks, jack and wheel brace |
| | Stabiliser pads |
| | Miscellaneous |



Indicative Cost

| | |
|----------------------------|-----------------|
| Brigade Contribution | \$22,500 |
| Total Grant Contribution | \$45,000 |
| Total Project Costs | \$67,500 |

Indicative price is at April 2019 (excludes GST)
Cost escalation to point of build in 2019/20 allow up to 10% increase

It is important to note that GST is not factored into the total project costs, therefore the GST exclusive amount should be used to calculate the Brigade and VESEP contribution

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000



Overview

The trailer pump has a single axle, equipped with a water cooled diesel engine with a nominal pump output of 2,000 L/min @700 kPa. Primarily utilised for water fill points on the fire ground however can also be connected to a hydrant, if necessary.

Trailer

- Fabricated galvanized steel / aluminum chequer plate tray frame and drawbar
- Single axle c/w mechanical override, hydraulic operated, drum brakes
- Jockey wheel, lockable tow coupling and 7 pin electrical connection
- Retractable rear end stabilizers
- 15" Light Truck tyres fitted to Sunraysia rims including spare
- Aggregated Trailer Mass (ATM) : 1.1 Tonne

Pump and Plumbing

- Water pump coupled to a 38kW water cooled diesel engine c/w noise suppression cowling
- 60L diesel fuel tank
- Electric priming pump
- 2 x 65mm Storz deliveries (near side)
- 9m 100mm pre connected suction hose fitted to the rear located in a dedicated locker behind tailgate

Electrical

- 4m extendable hand operated pneumatic light mast c/w 4 x LED lights
- Green "water point" LED strobe (mounted on top of light mast)
- NS control panel incorporating pump controls, gauges, warning lights and light switching
- Single battery and pre connected 240v trickle charging system

Stowage

- Red painted aluminum fabricated lockering c/w gas strut assisted "hinge up" doors and LED lockering

| Nearside 1 locker | Offside 1 locker |
|---|------------------------------------|
| Hose (2x65mm-15m, 1x38mm-15m) | Esky |
| Miscellaneous adaptors | First aid kit |
| | |
| General Tray | Forward Wheel Arch Lockers x (2) |
| 4.5kg dry chemical extinguisher | Wheel chocks, jack and wheel brace |
| 10L diesel fuel container | Stabiliser pads |
| Shovel, aluminium hydrant, rakehoe, 2 x traffic cones | Miscellaneous |
| Mussel c/w 100 mm Storz | |
| | |

VESEP 2019/20 Single Axle Trailer Pump



Indicative Cost

| | |
|----------------------------|-----------------|
| Brigade Contribution | \$18,833 |
| Total Grant Contribution | \$36,667 |
| Total Project Costs | \$55,000 |

Indicative price is at April 2019 (excludes GST)
Cost escalation to point of build in 2019/20 allow up to 10% increase

It is important to note that GST is not factored into the total project costs, therefore the GST exclusive amount should be used to calculate the Brigade and VESEP contribution

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000.



CFA has developed a standard technical specification for general purpose trailers for single or tandem axles. If considering an application please review the specifications to ensure compliance.

Details

The detailed technical specifications is available on Brigades on Line & CFA Intranet :-

Brigades On Line

[Home](#) > [Running a Brigade](#) > [Property & Equipment](#) > [Brigade Owned Vehicles](#) > Equipment Information

Intranet

[Home](#) > [Fire & Emergencies](#) > [Vehicles](#) > [Brigade Owned Vehicles](#) > Equipment Information

GST

It is important to note that GST is not factored into the total project costs, therefore the GST exclusive amount should be used to calculate the Brigade and VESEP contribution

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000.

VESEP 2019/20

Personal Protective Clothing

Chainsaw Operations





Overview

CFA has introduced a new standard for Personal Protective Clothing whilst undertaking operational activities using a chainsaw. The new standard includes an outer layer of fire resistant material (Proban) on the chaps and a new helmet specification (AS/NZS 1801 Type 3).

These items are available through the CFA State Logistics Centre

Details

| Product | | Cost Exc GST |
|---|--|-----------------|
| <p>Stihl Government & Utility Proban covered chainsaw chaps high visibility orange</p> <p><i>SLC Product Codes</i></p> <p>CHAPSCS Available in short, medium & long lengths</p> |  | <p>\$228.00</p> |
| <p>Professional Safety Helmet (supplied with visor and ear muffs)</p> <ul style="list-style-type: none"> • <i>Helmet includes CFA logo</i> <p><i>SLC Product Codes</i></p> <ul style="list-style-type: none"> • HELMCS - Helmet • HELMCSEMUFF - Ear Muffs • HELMCSVISOR - Visor |  | <p>\$95.00</p> |

Indicative Cost

Funding Breakup

| | |
|----------------------|------------------|
| Brigade Contribution | \$ 108.00 |
| Grant Contribution | \$ 215.00 |
| Total Project | \$ 323.00 |

Pricing – Indicative @ May 2019

The Pelican 9430 Remote Area Lighting System (RALs) is an approved CFA product.



Details

- Up to 15 hours of burn time
- 3000 Lumens of brightness
- Fully extendable mast with 360 degree rotating head
- Low Battery Warning system
- Waterproof Rubber Activation Switch
- Mast Extension Lock
- Maintenance Free LED Array with 50,000 hours of life expectancy



Pricing – Indicative @ April 2019

Costs for the unit are approximately \$1,500

GST

It is important to note that GST is not factored into the total project costs, therefore the GST exclusive amount should be used to calculate the Brigade and VESEP contribution

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000.

Overview

The Field Hygiene Unit supports the health and wellbeing of members at prolonged incidents.

- Purpose built aluminium trailer with egress ramp
- Two portable toilets
- Wash basin station
- Waste disposal bin



Indicative Costs

Funding Break up

| | |
|----------------------|----------|
| Brigade Contribution | \$ 8,333 |
| Grant Contribution | \$16,667 |

| | |
|----------------------------|-----------------|
| Total Project Costs | \$25,000 |
|----------------------------|-----------------|

Indicative prices as at April 2019 (excludes GST)
Cost escalation to point of build in 2019/20 up to 10% increase

The CFA has a specified model and supplier for Thermal Imaging Cameras.

Specifications

Model: - Draeger UCF 9000

The package includes:-

- 2 x Rechargeable battery packs
- Desk top battery charger unit
- Retractable Lanyard
- Sun shield
- In truck charging unit
- Pelican transport case



Pricing – Indicative @ April 2019

Costs for the Thermal Imaging cameras are approximately \$11,500

The CFA approved supplier for this product is Draeger Safety Pacific Pty Ltd

GST

It is important to note that GST is not factored into the total project costs, therefore the GST exclusive amount should be used to calculate the Brigade and VESEP contribution

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000.

Overview

The Big Fill incorporates an aluminium body and a new water cooled diesel engine powered pump on a new Toyota LandCruiser cab chassis. These vehicles will be licensed to carry 2 people including the driver. The body and cab chassis conform to CFA operational safety standards.

Cab Chassis – Toyota LandCruiser

Toyota LandCruiser 70 Series Workmate 4x4 MY2019 cab chassis, turbo-diesel, manual, front wheel flares and GVM Upgrade to 3,780 kg. Fitted with alloy bull bar, bonnet protector, reversing camera monitor, headlight protectors, 3,500kg towbar, tow ball, towbar wiring, floor mats, air conditioning, intercooler guard, steering guard and engine air intake heat shield, 16" x 7" Allied Savvana rims, all-terrain tyres, registration and on-road costs.

Big Fill Body

- Aluminium tray and lockers
- Decals, emergency lights, sirens, radios, scene lights, spot light, reversing beeper, reversing camera and green "Quickfill" lights
- Water-cooled diesel engine powered centrifugal pump
- Pelican remote area lighting system c/w tripod and in-vehicle charger
- (4x) 2.4m clear "Heliflex" suction hoses, suction strainer, Hoenig wire basket, float and rope
- (2x) 100mm/65mm Storz spanners
- (4x) 30m x 64mm delivery hoses
- (2x) 15m x 64m delivery hoses
- (2x) 30m x 38mm delivery hoses
- Aluminium service hydrant
- Selection of hose adaptors
- (2x) witches hats
- (2x) Rake hoes
- (2x) Portable Green flashing lights
- Tow strap
- Shovel and axe
- First aid kit
- (2x) Woollen fire blankets
- Drinking water cooler
- Tool box (c/w pliers, adjustable spanner, screwdrivers)
- 4.5kg AB dry chemical fire extinguisher & bracket
- Provision for limited Brigade stowage items. Maximum 50kg (excepting crews)
- Operating Manuals



Indicative Cost

Cab Chassis Costs Funding By Brigade & VESEP \$60,000

Funding Break up

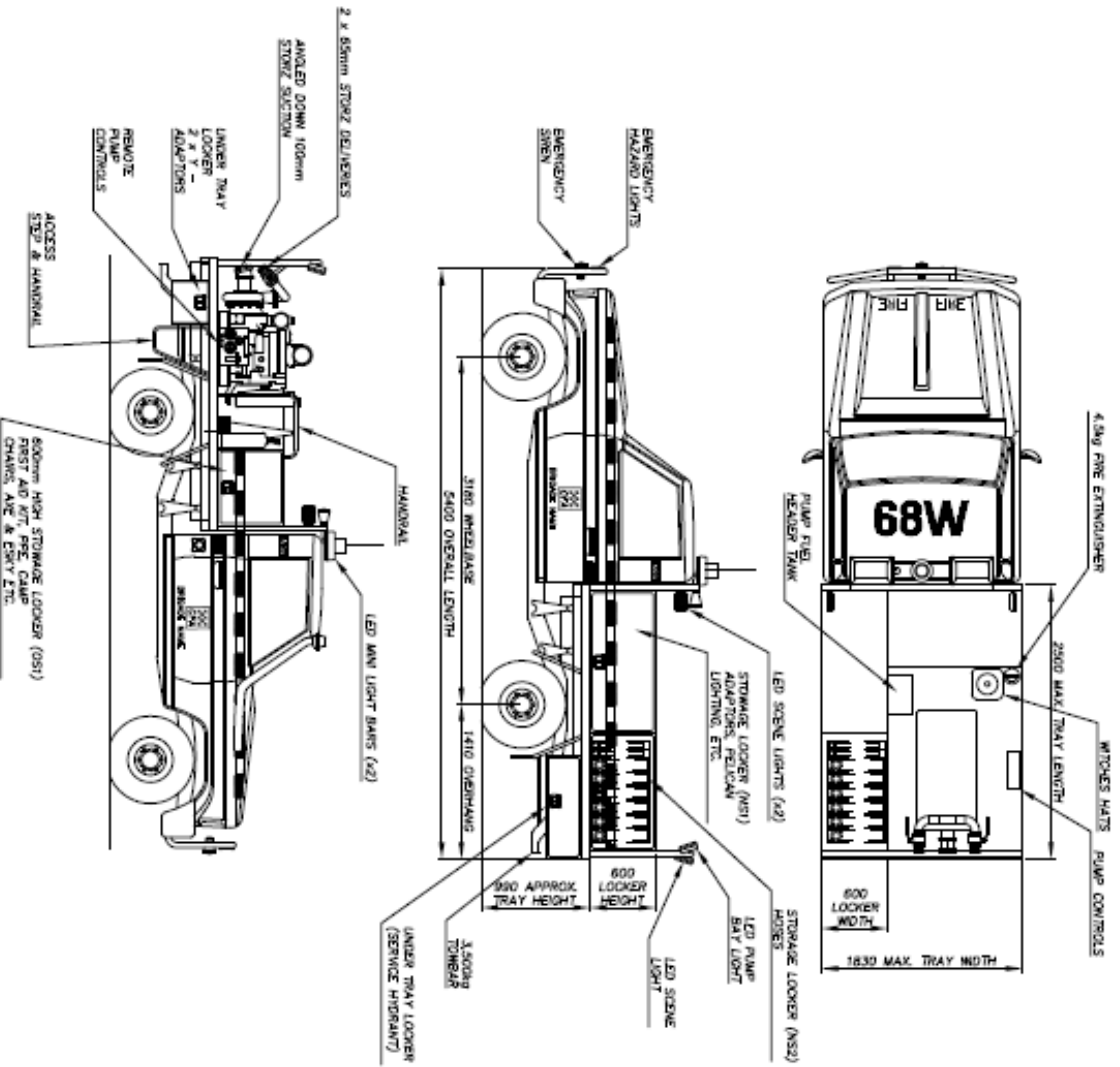
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|----------------------------|------------------|
| Brigade Contribution | \$20,000 |
| Grant Contribution | \$125,000 |
| Total Project Costs | \$145,000 |

Indicative price is at April 2019 (excludes GST)
 Cost escalation to point of build in 2019/20 allow up to 10% increase

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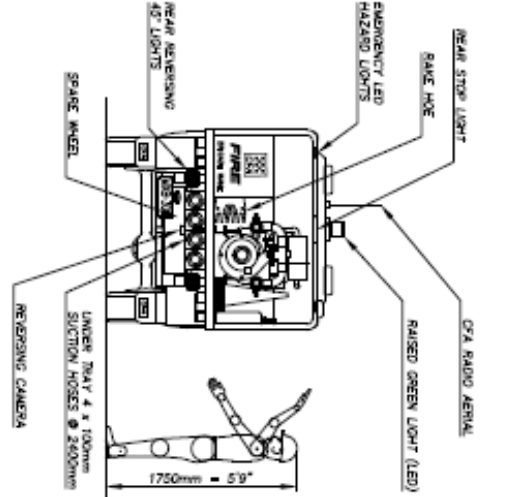
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TOYOTA BIG FILL SPECIFICATION

CHASSIS
 TRUCK LANDCRUISER 35 SERIES CHASSIS
 GVM: 3,200 kg (FAVOURABLE IMPROVED)
 ENGINE: COMMON RAIL TURBO DIESEL (700L)
 DRIVING SHAFT-DRIVEN 4.4LIT (100K) (4L)
 MAX TORQUE: 318NM @ 4000 RPM
 MAX FUEL CONSUMPTION: 20.0L/100KM (90L)
 TRANSMISSION: 5 SPEED MANUAL

CHASSIS WEIGHT / 5000kg (4.2T) (P80)
COLOUR: TOWERED
 MAX. WIND UPLIFT / MIN. @ 200 KM/H



| | | | | | | | | | |
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| REVISION: 1 | REVISION: 2 | REVISION: 3 | REVISION: 4 | REVISION: 5 | REVISION: 6 | REVISION: 7 | REVISION: 8 | REVISION: 9 | REVISION: 10 |

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| ANGULAR DIM. | 4 - | | 4 - |

COUNTRY FIRE AUTHORITY
 ENGINEERING DEPARTMENT
 4 LAWRENCE DRIVE, BURNWOOD EAST, VIC. 3151
 TEL: (03) 9582 8444 FAX: (03) 9582 8515



| | | | |
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| DRAWN: J. HEDD | DATE: 08.05.07 | | |
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| E-10814 | | | |

**TOYOTA LANDCRUISER 4x4
 GENERAL ARRANGEMENT (PROPOSAL)**

THIRD ANGLE PROJECTION

These specifications are indicative and are subject to change during tendering and manufacturing

| | |
|---|--|
|  | BRIGADE OWNED VEHICLE BUILD-UP Big Fill (VESEP 2019/20) |
|---|--|

1. **CAB CHASSIS** (VESEP/**Brigade Cost**)

Cab Chassis and associated fitments/equipment – including modifications to conform to CFA’s operational safety standards

| DESCRIPTION |
|--|
| 1.1 MY2019 Toyota LandCruiser 70 Series Workmate Cab Chassis of 4WD (4x4) configuration (with dual range transfer case) and a two (2) person single cabin |
| 1.2 Cab chassis powered by a common rail direct injection turbo charged 4.5 litre V8 diesel engine with air to air intercooler. (Maximum Power: 151kW @ 3,400 RPM. Maximum Torque: 430Nm @ 1,200-3,200 RPM) compliant with ADR 80/03 (Euro 5) Emission Standards |
| 1.3 Gross vehicle mass rating (GVM) 3,780kg (Up-rated by MDT) |
| 1.4 Front Axle capacity rating 1,540kg (Up-rated by MDT) |
| 1.5 Rear Axle capacity rating 2,300kg |
| 1.6 Wheelbase 3,180mm |
| 1.7 Turning circle 14.4m kerb-to-kerb |
| 1.8 Manual transmission with five (5) forward gears and one (1) reverse gear |
| 1.9 Limited slip differential fitted to rear axle |
| 1.10 Ventilated disc service brakes fitted with ABS, Brake Assist, Vehicle Stability Control, Hill Assist Control, Electronic Brake Force Distribution and “A-Trac” |
| 1.11 Five (5) Allied Savvana 16” x 7” rims fitted with all-terrain tyres (including spare wheel) |
| 1.12 Fuel tank capacity 110 litres (non-standard) |
| 1.13 Cabin interior including engine immobilizer, idle-up control, tilt-adjustable steering wheel, power steering, fully integrated air-conditioning, driver and passenger airbags, curtain shield and driver’s knee airbags |
| 1.14 Front seating incorporating: <ul style="list-style-type: none"> • Standard bucket style driver’s seat suitable for off-road operation • Standard bucket style passenger seat |
| 1.15 Air cleaner snorkel fitted to the engine air intake and air cleaner fitted with flameproof air filter element (non-standard) |
| 1.16 12 volt electrical system c/w 130 ampere alternator |
| 1.17 Polished aluminium bull bar |
| 1.18 3,500kg rated towbar, c/w towball and wiring |
| 1.19 Bonnet protector |
| 1.20 Two (2) headlight protectors |
| 1.21 Intercooler bonnet guard |
| 1.22 Steering arm protector |
| 1.23 Engine turbo air intake heat shield |
| 1.24 Two (2) front wheel fender flares |
| 1.25 Two (2) rubber floor mats |
| 1.26 Vehicle’s exhaust discharges horizontally to rear of vehicle on nearside |
| 1.27 Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |
| 1.28 Compliance to Australian Design Rules (ADR’s), relevant standards, regulations and Codes of Practice |

2. **PUMP & PLUMBING** (VESEP Cost)

Pump Set and Associated Equipment

| DESCRIPTION | |
|--------------------|---|
| 2.1 | GAAM Mk500 / Isuzu 4LE2 water-cooled diesel engine powered single stage centrifugal water pump (Nominal flow rate: 1,900 litres/min. at 700kPa) mounted at offside rear of body |
| 2.2 | Pump priming performed by 12V electric priming pump |
| 2.3 | Pump plumbing arrangement (all plumbing manufactured from stainless steel) <ul style="list-style-type: none"> • Delivery consisting of two (2) 65mm Storz ball valve controlled outlets angled downwards at 30° above tray-level at rear • Suction consisting of a 100mm Storz inlet angled downwards at 15° above tray-level at rear |
| 2.4 | Pump engine fitted with 12V starter motor and controls (powered from cab chassis 12V battery) |
| 2.5 | Pump controls and instrument panel mounted at offside of body |
| 2.6 | Pump engine fuel system integrated with the cab chassis diesel fuel system |
| 2.7 | Pump engine exhaust system discharges vertically at offside of body |
| 2.8 | Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |

3. **BODYWORK** (VESEP Cost)

Bodywork Build-up Arrangement

| DESCRIPTION | |
|-------------|---|
| 3.1 | Aluminium tray frame |
| 3.2 | Front and rear of the tray frame fitted with aluminium light mounting frames |
| 3.3 | Offside of the tray fitted with an access step and handrailing (for pump maintenance only) |
| 3.4 | Two (2) white painted aluminium stowage lockers (NS1 & NS2) located above tray on the <u>nearside</u> of the body |
| 3.5 | One (1) white painted aluminium stowage locker (OS1) located above tray on the <u>offside front</u> of the body |
| 3.6 | One (1) chequer plate aluminium stowage locker located below tray on the <u>offside rear</u> of the body |
| 3.7 | One (1) chequer plate aluminium stowage locker located below tray on the <u>nearside rear</u> of the body |
| 3.8 | One (1) aluminium suction hose stowage locker located below tray at <u>rear</u> of the body |
| 3.9 | Rear wheels fitted with aluminium mudguards |
| 3.10 | CFA radio c/w hand held control head and ignition relay |
| 3.11 | External rear speaker for CFA radio (mounted on front light mounting frame) |
| 3.12 | CFA portable radio charger (and CFA portable radio, if vehicle is additional to fleet) |
| 3.13 | Hazard Systems CS202 Hand-Held Siren/Light Controller (or equivalent) with control pad mounted on cabin dash and 100W speaker mounted on bull bar |
| 3.14 | Flashing headlights (alternate flashing) |
| 3.15 | Four (4) red and blue LED hazard lights (2 at front and 2 at rear of appliance) |
| 3.16 | Two (2) red and blue LED mini light bars (mounted on front light mounting frame) |
| 3.17 | Green (" Quickfill ") LED beacon (mounted on front light mounting frame between red and blue LED mini light bars) |
| 3.18 | Two (2) LED scene lights (mounted on front light mounting frame) |
| 3.19 | Rear LED scene light (mounted on rear light mounting frame) |
| 3.20 | LED pump bay light (mounted on rear light mounting frame) |
| 3.21 | High level LED brake light (mounted on rear light mounting frame) |
| 3.22 | Two (2) LED combination rear tail/stop/indicator/reversing lamps (on rear bumper bar) |
| 3.23 | Two (2) LED reversing lights angled at 45° (c/w separate switch) |
| 3.24 | LED under tray step light |
| 3.25 | LED locker lights |
| 3.26 | LED flexible arm map light on cabin dash |
| 3.27 | Reversing buzzer |
| 3.28 | Reversing camera c/w dash-mounted display |
| 3.29 | Two (2) inclinometers (to indicate 15° maximum longitudinal and lateral operation angle) |
| 3.30 | CFA reflective Red/Yellow chequer striping, reflective yellow striping at rear and outline profile of body and cabin, CFA logos, " FIRE ", " Emergency 000 " and " Brigade Name " decals and " Aerial ID " number |
| 3.31 | Cabin engraved nameplates and decals |
| 3.32 | Weighbridge certificate of completed appliance |
| 3.33 | Registration |
| 3.34 | Operating instructions |
| 3.35 | Stowage supplied as per Section 4 |
| 3.36 | Includes CFA Ergonomic Vehicle Design Guidelines (in its latest version) applied to equipment designs wherever practical |
| 3.37 | Compliance to Australian Design Rules (ADR's), relevant standards, regulations and Codes of Practice |

4. **STOWAGE** (VESEP / **Brigade Cost**)

CFA-approved Stowage equipment is supplied as follows:

| Item | Contractor and/or CFA F&PE to Supply | CFA Brigade to Supply (see Note) |
|--|--------------------------------------|----------------------------------|
| <u>Nearside Equipment Locker NS1</u> (Floor Level) | | |
| 1 x Remote Area Lighting System - YELLOW – <i>Pelican Cat. No. 9430</i> | ✓ | |
| 1 x 12/24V Vehicle Charger - <i>Pelican Cat. No. 9436</i> | ✓ | |
| 1 x Tripod - <i>Pelican Cat. No. 9430TP</i> | ✓ | |
| 1 x GREEN LED flashing light - <i>Lightman VSC14000</i> with GREEN lens | ✓ | |
| 1 x Roadside GREEN flashing light - <i>E-Flare 700-EF510(G)</i> with GREEN lens | ✓ | |
| 1 x Float (polystyrene or plastic) with long chain | ✓ | |
| 1 x Rope (synthetic) – 10mm x 10m long | ✓ | |
| 2 x Storz Spanner – 65mm and 100mm | ✓ | |
| 2 x Storz suction/delivery washer – 100mm | ✓ | |
| 4 x Storz delivery washer – 65mm | ✓ | |
| 4 x Rubber washer – 64mm | ✓ | |
| 6 x Rubber washer – 38mm | ✓ | |
| 1 x Funnel (3-piece plastic) | ✓ | |
| 1 x Tool kit (e.g. <i>TB100</i> toolbox plus tools – e.g. flat and Phillips head screwdrivers, pliers/wire cutters, metric spanners, adjustable spanner, ball peen hammer, etc.) | ✓ | |
| 1 x Tow strap (4,000kg) – 50mm x 6m long | ✓ | |
| <u>Nearside Equipment Locker NS1</u> (Drawer Level) | | |
| 2 x <i>Quell TPB15-38mm</i> brass fog nozzles c/w 38mm external lug couplings | ✓ | |
| 2 x Adaptor – 65mm Storz – 38mm external lug coupling | ✓ | |
| 2 x Service Branch – 65mm Storz x 400mm long (plastic) – c/w 12mm nozzle | ✓ | |
| 1 x Adaptor – 65mm Storz - 64mm x 5TPI female loose nut | ✓ | |
| 1 x Adaptor – 65mm Storz - 64mm x 3TPI female loose nut | ✓ | |
| 2 x Adaptor – 65mm Storz - 64mm x 3TPI male | ✓ | |
| 1 x Adaptor – 65mm Storz – 50mm female camlock | ✓ | |
| 1 x Adaptor – 65mm Storz – 75mm female camlock | ✓ | |
| 1 x Adaptor – 65mm Storz – 75mm male camlock | ✓ | |
| 1 x Blank cap – 65mm Storz | ✓ | |
| 1 x <i>Hoening</i> basket strainer | ✓ | |
| <u>Nearside Hose Locker NS2</u> (Floor Level) | | |
| 2 x Delivery hose - <i>Duraline</i> - 64mm x 15m long c/w 65mm Storz couplings | ✓ | |
| 2 x Delivery hose - <i>Duraline</i> - 64mm x 30m long c/w 65mm Storz couplings | ✓ | |
| 2 x Delivery hose – canvas – 64mm x 30m long c/w 65mm Storz couplings | ✓ | |
| 2 x Delivery hose - canvas - 38mm x 30m long c/w 38mm external lug couplings | ✓ | |
| <u>Offside Locker</u> (Floor Level) | | |
| 1 x Drink Cooler (e.g. <i>“Esky”</i> 20-26 litre, or equivalent) | ✓ | |
| 20 x Drinking water 600ml bottle | | ✓ |
| 1 x CFA First Aid Kit | ✓ | |
| 1 x Axe | ✓ | |
| 2 x Personal PPE | | ✓ |
| 2 x Camp chair | | ✓ |
| 4 x Tent pole | | ✓ |
| <u>Offside Locker</u> (Shelf Level) | | |
| 1 x Insect repellent | | ✓ |
| 2 x Ear plugs (packet of disposable plugs) | | ✓ |
| 4 x Goggles (spare pairs) | | ✓ |

| Item | Contractor and/or CFA F&PE to Supply | CFA Brigade to Supply (see Note) |
|---|--------------------------------------|----------------------------------|
| 4 x Leather gloves (spare pairs) | | ✓ |
| 1 x Rubberised gloves (spare pair) | | ✓ |
| 2 x CFA Fire blanket | | ✓ |
| 2 x Tarpaulin – 3m x 6m | | ✓ |
| 4 x Tent rope | | ✓ |
| 4 x Tent peg | | ✓ |
| Rear Access Suction Hose Locker (Undertray) | | |
| 3 x Suction hose - 100mm x 2.4m long CLEAR <i>Heliflex</i> c/w 100mm Storz swivel couplings | ✓ | |
| 1 x Suction hose - 100mm x 2.1m long CLEAR <i>Heliflex</i> c/w 100mm Storz swivel couplings and 300mm long Suction Strainer fitted with 100 Storz coupling | ✓ | |
| Front Tray Stowage | | |
| 1 x Shovel – long handle (located offside front of tray) | ✓ | |
| Tray / Stowage | | |
| 2 x Witches hat | ✓ | |
| 1 x Fire extinguisher – 4.5kg Dry Chemical (AB) | ✓ | |
| 2 x Rakehoe | ✓ | |
| Undertray / Stowage | | |
| 2 x Wheel chock (one each side) | ✓ | |
| Nearside Undertray / Stowage Locker | | |
| 1 x CFA aluminium short barrel service hydrant c/w 65mm Storz couplings and one (1) 65mm Storz blanking cap with retaining cable or chain | ✓ | |
| Rear Undertray / Stowage | | |
| 1 x Towbar gooseneck and tow ball | ✓ | |
| Offside Undertray / Stowage locker | | |
| 1 x Collector – 100mm Storz swivel coupling – 65mm Storz couplings (x2) inlets c/w flap valve | ✓ | |
| 1 x “Y” breach – 65mm Storz coupling – 65mm Storz couplings (x2) gated outlets | ✓ | |
| In-Cabin Stowage | | |
| 1 x CFA Radio Operating Manual | ✓ | |
| 1 x CFA Vehicle and Pump log book | ✓ | |
| 1 x Cab Chassis Operating Manual | ✓ | |
| 1 x Cab Chassis Jack and Tools | ✓ | |
| 1 x CFA Portable Radio (supplied by CFA after delivery – if appliance is additional to fleet, or, supplied by Brigade after delivery – if appliance is a replacement) | ✓ | ✓ |
| 1 x Appliance Operating Manual | ✓ | |
| 1 x Pump Operating Manual | ✓ | |
| 2 x Crew (2 @ 100kg each) | | ✓ |
| 1 x Melways | | ✓ |
| 1 x Map book | | ✓ |
| 1 x Note pad and pens | | ✓ |
| 1 x Fuel card | | ✓ |
| 1 x Torch | | ✓ |

Note: Discretionary Brigade-supplied items (as shown) – 50kg maximum allowance

Additional stowage items are not approved

Prepared By:
CFA Fleet & Protective Equipment

Issue 13
09 April 2019

Signed by CFA Fire Brigade

(Brigade Representative)

Date : / /

Approval by District Headquarters

(Operations Manager)

Date : / /



Overview

The Rehabilitation Unit supports the health and wellbeing of members at prolonged incidents or where members are working in hot or strenuous conditions. The body and cab chassis conforms with CFA operational safety standards. This vehicle can be driven on a standard drivers license.

Cab Chassis – Mitsubishi Canter (or equivalent)

- 4x2, 4.5 Tonne GVM
- Seating for a crew of 4
- Tow bar fitted
- Vehicle can be driven on a standard drivers license

Body Construction

- Aluminium lock tube clad with white aluminium sheeting
- 2 x side roller shutters
- 1 x rear lift up door
- 1 x manually operated pneumatic light mast with 4 LED lights
- Scene lighting
- Reverse camera
- Emergency response controls
- 100L non portable water tank
- CFA standard striping and decaling
- Stowage for brigade supplied equipment including portable generators, tables, cooling chairs, tent, esky etc
- Brigade Funded option available:
 - 3m manually operated awning (each side), Thule Omnistor 4900 or an equivalent.



Indicative Costs

Funding Break up

| | |
|----------------------|----------|
| Brigade Contribution | \$48,333 |
| Grant Contribution | \$96,667 |

Total Project Costs **\$145,000**

Option Awning – Additional Brigade Contribution **\$2,800**

Indicative prices as at April 2019 (excludes GST)
 Cost escalation to point of build in 2019/20 up to 10% increase

Overview

The appliance is a multi-purpose vehicle licensed to carry five (5) crew, including the driver. The rear of the appliance can be configured to suit Brigade's specific requirements. Appliance to be stowed with equipment to secure and clean up after an incident. It is offered in three (3) versions:

- Version 1 – 4 x 4 short body (manual)
- Version 2 – 4 x 2 short body (manual)
- Version 3 – 4 x 2 long body (auto)

Cab Chassis

- Version 1 - Isuzu NPS 75-155 (or equiv.) 4x4 Crew Cab Chassis with 7.5T GVM
- Version 2 - Isuzu NPR 65-190 (or equiv) 4x2 Crew Cab Chassis with 6.5T GVM (wheel based shortened to 3,395mm)
- Version 3 - Hino 921(or equiv) 4x2 Crew Auto cab chassis with 8.5T GVM (wheel base shortened to 3,870mm)

Body

- Prefabricated aluminum framed body (SES specification)
- Storage compartments can be configured to suit user requirements (see GA drawings)
- White painted cab and body
- Rear lift up door with gas struts
- Roller access doors each side

Items included:

- Cab and body painted white
- CFA livery (decals & striping)
- Seating for 5 crew (including 3 x lap/sash seat belts in rear)
- Storage console between driver and front passenger seats
- Nearside awning
- Minor brackets and straps for Brigade stowage items
- Installation of CFA supplied radio and portable radio charger
- Registration (brigade owned vehicle)

Version 1



Version 2



Version 3





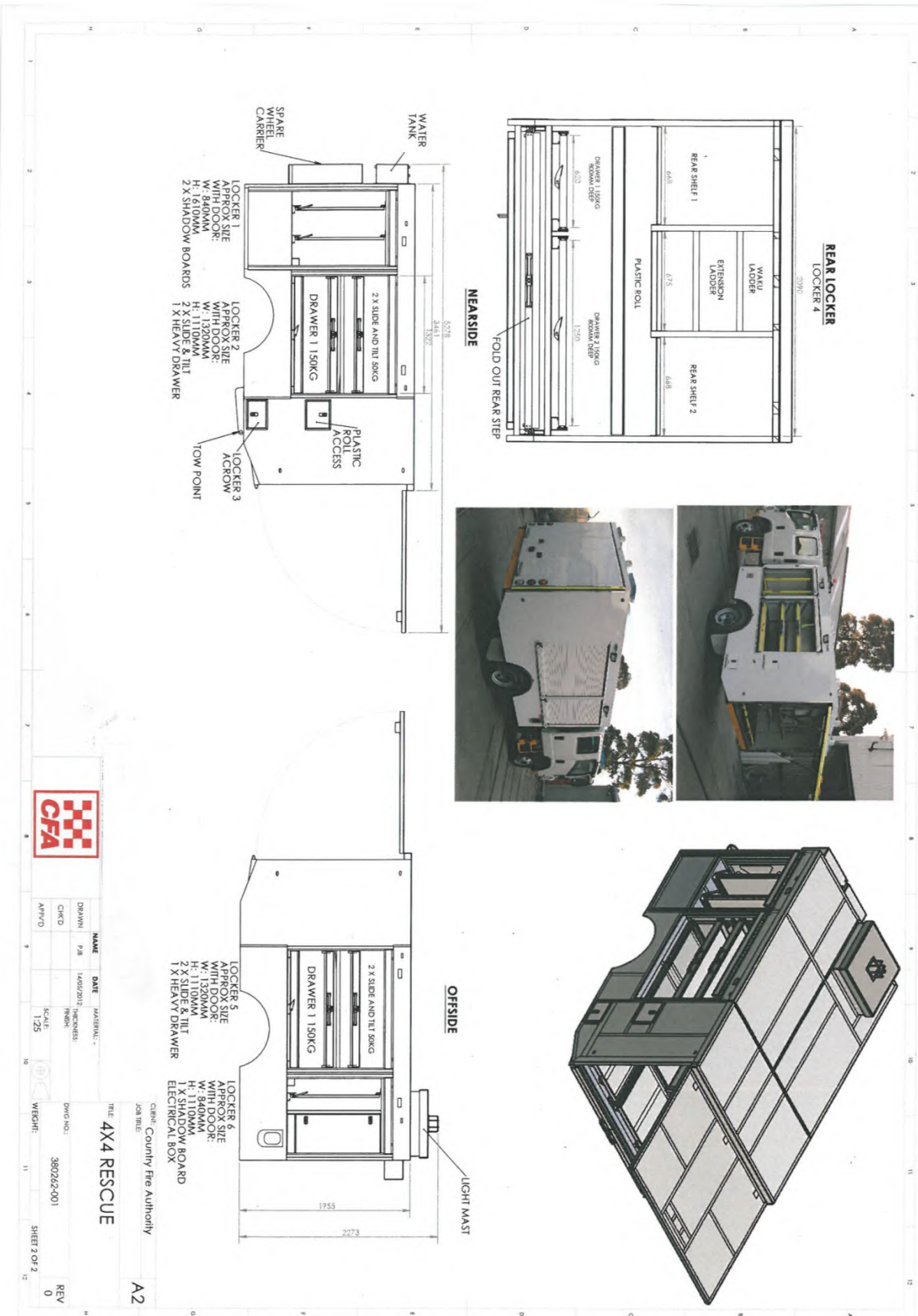
Options available at additional cost:

- Red painted cab and body
- Aluminum bullbar
- Inbuilt hydraulic powered 8kVA 240V generator system
- Inbuilt engine powered alternator with 8kVA 240V inverter system
- 240V reticulated power system
- Wheel arch lockers (x 2)
- Inbuilt 240V compressed air system (240V generator or 240V inverter system is required)
- Pneumatic light mast – 4m height, external mounting, 3 x standard LED lights, hand pump
- Pneumatic light mast – 4m height, external mounting, 3 x standard LED lights, electric pump
- Pneumatic light mast – 6m height, internal mounting, 4 x high powered LED lights, electric pump
- Pneumatic light mast – 6m height, internal mounting, 4 x high powered LED lights, robotic head, electric pump
- Version 2 - Upgrade to 7.5 tonne GVM (Isuzu NPR 75-190 4 x 2 Crew)
- Version 2 – Automated Manual Transmission (AMT)

Indicative Costs

| Funding Break up | Version 1 4 x 4 Short Body Manual | Version 2 4 x 2 Short body Manual | Version 3 4 x 2 Long Body Auto |
|----------------------------|---|---|--------------------------------------|
| Brigade Contribution | \$ 64,000 | \$ 64,000 | \$85,000 |
| VESEP Contribution | \$128,000 | \$127,000 | \$150,000 |
| Total Project Costs | \$192,000 | \$191,000 | \$235,000 |

General Assembly Drawing – 4x4 short body (Version 1) and 4x2 short body (Version 2)



| NAME | DATE | DESCRIPTION |
|-------------|------------|-------------|
| DRAWN: PAB | 14/02/2017 | INCHES |
| CHKD: AMV/D | | SCALE: 1:25 |

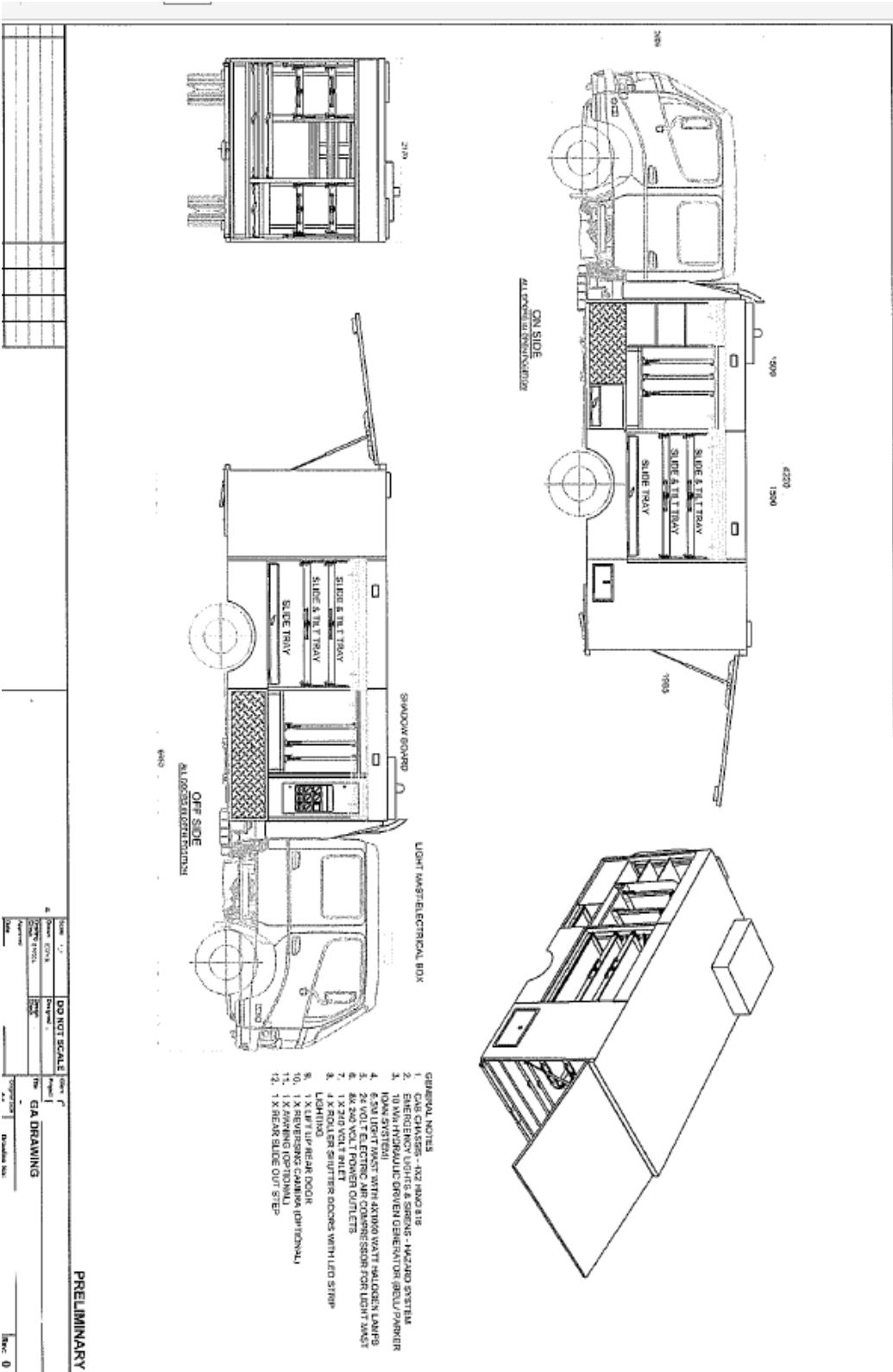
| | |
|--------------------------|--------------|
| TITLE: 4X4 RESCUE | REV: 0 |
| DWG NO.: 380262-001 | SHEET 2 OF 2 |
| WESGH: | |

CLIENT: County Fire Authority
JOB TITLE: A2

These specifications are indicative and are subject to change during tendering and manufacturing



General Assembly Drawing – 4x2 long body (version 3)



These specifications are indicative and are subject to change during tendering and manufacturing

The Side x Side vehicle is used to assist with fuel reduction burns as an efficient and safe method of lighting. It can also be used for herbicide spraying. A rear tilt tray provides flexibility making the vehicle suitable for a variety of roles at staging areas, technical rescue, etc.

Vehicle

The two seater, four wheel all-terrain vehicle travels on low pressure tyres and can operate in 2 or 4 wheel drive mode. It is fitted with a ROPS certified roll frame.

- 800cc (approx.) in line, water cooled Diesel
- Constant variable transmission, 2WD/4WD
- Front and rear differential lock
- Ground clearance 280mm or above
- Dimensions (approx.) L 3018mm, W 1520mm, H 1905mm
- Weight approx. 700kg

**NOTE: a base frame will be fabricated in the tray for mount the burner unit / spray unit*

Features

- Electronic Power Steering
- Windscreen
- Roof Kit

Safety features include

- Lap sash seatbelts
- Head rests

Trailer

11' x 6' Heavy Duty Tandem Trailer

- Chequer plate floor
- 65 x 35 RHS chassis
- 40 x 40 RHS cross members
- 75 x 50 RHS drawbar
- 15" deep chequer plate sides
- 40mm square duraflex axles
- 5 leaf x 60mm roller rocker springs
- 9" hydraulic override brakes on front axle
- Full width gas spring assisted ramp
- Tie down points with individual wheel load restraint straps
- Full length braced tie rails each side
- Spare wheel
- Multi volt LED lights
- 8" quick release jockey wheel
- Hot Dip Galvanising
- ADR to 2000kg gross

**NOTE: trailer construction specification may vary*

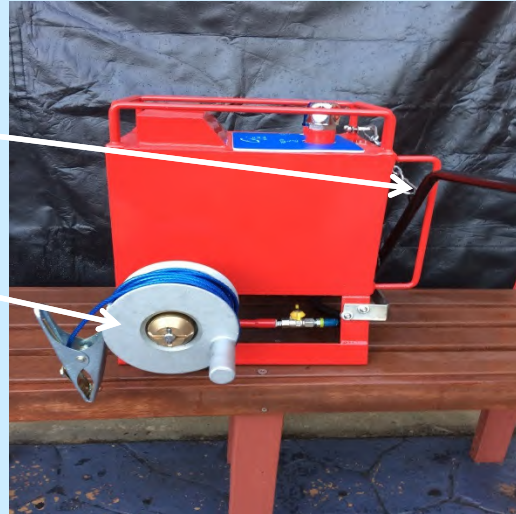




Side x Side Equipment

- AS/NZS 2906-2001 compliant 25lt burn fuel container with drip torch
- Red/blue warning lights front and rear facing
- GME 80 channel UHF radio
- Ground "earthing" cable for attachment to refueling container / tank attached
- First Aid Kit
- 1.5kg Dry powder fire extinguisher
- Helmet brackets (x2)

Optional Extra: 300lt herbicide container with spray attachment and 12v power point wired in vehicle



Indicative Cost

| | |
|--------------------------|----------|
| Brigade Contribution | \$13,000 |
| Total Grant Contribution | \$26,000 |

Total Project Costs excluding options \$39,000

Options : 300lt herbicide container with spray attachment including 12V power point \$ 2,000

Indicative price is at April 2019 (excludes GST)
Cost escalation to point of build in 2019/20 allow up to 10% increase

It is important to note that GST is not factored into the total project costs, therefore the GST exclusive amount should be used to calculate the Brigade and VESEP contribution

Grant Formula

Equipment grants are funded by VESEP & Brigade, \$2 VESEP to \$1 Brigade with a maximum VESEP contribution of \$150,000.



Background

CFA Steering Committee has indicated that one of the priorities for this funding round is to assist Brigades / Groups with grants for minor works and equipment that enhance the CFA member's wellbeing and amenities. The total value of these projects shall be less than \$5K in total (\$3,333 VESEP & \$1,667 Brigade contribution) and should be of a non structural nature, not requiring a building permit.

Items

Some suggestions for Volunteer amenities available under the program are listed below but are not limited to:-

- Kitchen refurbishments/Fridge
- Stove/Oven
- Tables/ Chairs
- Air Conditioning
- Hot water Services
- Carpet/Lino
- Furniture
- Crockery/Cultery

Grant Formula

\$2 VESEP to \$1 Brigade – to a maximum VESEP contribution of \$3,333



Background

The 2019/20 program continues with the Minor works category with an increased project value of \$100K. The program has approved 232 projects to date.

Outline

These projects are of a larger scale and will require full scoping and planning. Brigades and Groups interested must pre register the project with the VESEP Land & Buildings Project Manager and should also discuss with their local Catchment Officer, Asset Project Officer and Operations Manager.

The total project value is to be less than \$100K.
(\$66,667 VESEP and \$33,333 Brigade contribution)

Projects with a total project cost greater than \$100K will not be considered.
Projects that have not been pre registered with the VESEP Minor Works Project Manager will not be considered.

VESEP Minor Works Project Manager :-

Bruce Rowley

VESEP Minor Works Project Manager - Land and Buildings

☎: 03 5735 3112

Email: b.rowley@cfa.vic.gov.au

Grant Formula

\$2 VESEP to \$1 Brigade – to a maximum VESEP contribution of \$66,667



VOLUNTEER FIRE BRIGADES VICTORIA
assisting CFA Brigades and Groups
with a timely application for
VESEP funding

VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM



ADDENDUM 2

SPECIAL ACCESS GRANT

| | | |
|---|---|------|
| 1 | Brigade Special Access Grant Application Form | p 74 |
| 2 | DPC Special Access Grant Application Form | p 76 |



VESEP Special Access Grant - Volunteer Emergency Services Equipment Program 2019/20

Brigade/Group Name _____ Brigade/Group No: _____
 District: _____ Region: _____
 Proposed Project _____ Date: / /

This form is to be completed with operational staff in the District

Project Costs:

| | |
|---|----|
| Brigade Contribution (if any) | \$ |
| Extended Credit Application (if applicable) | \$ |
| Special Access Grant | \$ |
| VESEP Funds: | \$ |
| Total Project Cost: | \$ |

Brigade Contribution + Extended Credit Application (if applicable)
= Brigade Contribution

Special Access Grant + VESEP Grant
= VESEP Contribution

Reasons for Special Access Grants

1. District's justification for special assistance including explanation of brigades inability to fund brigade contribution

2. Details of any purchases over \$1,000 the last three years

3. Details of fund raising initiatives undertaken over the last three years

4. Copies of brigade Audit Financial Reports over the last three years attached Yes

Recommendation and Endorsement

Operations Manager Endorsement

Name: Signature Date: / /

Assistant Chief Officer Endorsement

Name: Signature Date: / /



VESEP Special Access Grant - Volunteer Emergency Services Equipment Program 2019/20

Special Access Grant Criteria:

The CFA VESEP Statewide Steering Committee is aware that for reason of remoteness and small communities many Brigades are unable to raise the necessary contribution for a VESEP project. For this reason the Committee welcomes applications to assist brigades in acquiring replacement or new equipment, upgrading brigade amenities or to undertake minor upgrades to their station.

The Criteria for Special Assistance Grants are:

1. Is the proposed project operationally justified;
2. Vehicles:
Is the existing tanker greater than 20 year's old?
Is the proposed vehicle considered to be high priority?
Is the existing Field Command Vehicle greater than 5 years old?
3. Equipment, Volunteer Amenities or Minor Works
Is the item of equipment or station improvement critical for the Brigade operation?
4. The brigade is unable to fund the required brigade contribution

Brigades are to indicate their nominated contribution amount, if any, for a project.

Checklist of Information & Documents:

- Districts justification for special assistance grant
- Reason's for brigade's inability to fund brigade total contribution
- Details of any purchases over the last three years
- Details of fund raising initiatives undertaken over the last three years
- Details of brigade Audit Financial Reports over the last three years
- Endorsement from Operations Manager & Assistant Chief Officer

DPC SPECIAL ACCESS LOCAL INITIATIVE



| | | |
|--|----------------------|--|
| Contact Details | DPC | |
| | Contact | |
| | Phone No. | |
| | Email Address | |
| Description of proposal: | | |
| Key objective / Benefits: (What specific issue does this proposal address) | | |
| Brigades to Benefit | | |
| Estimated Cost / Over what period | | |
| Who will be responsible for the delivery of the proposal | | |
| How will the proposal be delivered | | |

| | |
|---|---|
| <p>.....</p> <p>Chairman District Planning Committee</p> <p>.... / /</p> | <p>.....</p> <p>Operations Manager District....</p> <p>.... / /</p> |
|---|---|



VOLUNTEER FIRE BRIGADES VICTORIA
assisting CFA Brigades and Groups
with a timely application for
VESEP funding

VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM



ADDENDUM 3

2019/20 PROGRAM GUIDELINES



Volunteer Emergency Services Equipment Program (VESEP)

CFA GUIDELINES – 2019/20

Contents

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Introduction

The Minister for Emergency Services Ms Lisa Neville, MLA recently announced the opening of the 2019/20 Victorian Emergency Services Equipment Program (VESEP). The program provides ongoing funding to assist eligible volunteer emergency services organisations with the acquisition of auxiliary equipment.

1. Aim

The aim of the CFA component of the VESEP program is to assist CFA Brigades and Groups through enhancing; operational safety, improving volunteer amenities, replacement or new auxiliary operational equipment, provision of training aides, specialist appliances, field command vehicles and the acquisition of vehicles to enhance their operational response capacity whilst having access to equipment and vehicles that are built to a standard ensuring the safety of volunteers.

2. Priority

The CFA VESEP Steering Committee has recommended the following categories as priorities for this funding round:

- Improvements to Volunteer amenities (eg: air conditioning, hot water service, carpet, furniture)
- Items that enhance operational safety and well being
- The provision of Brigade training aides (eg computers, white boards, projectors)
- New or replacement auxiliary operational equipment (eg: quick fill pumps, chainsaws, generators)
- Field Command Vehicles to assist fire ground management
- New or replacement specialist appliances
- The replacement of aged fire fighting appliances

Priority will be given to operationally justified items of equipment / vehicles in Brigades where it has been identified that there is a lack of capacity to fund these projects through Brigade or Community resources. To ensure equity, CFA will provide appropriate levels of support to Brigades where the community capacity to provide funding is limited (see 10. Special Access Grants below).

Additions to the firefighting fleet:

Any application to increase the size of the brigade owned fire fighting vehicle fleet will again be afforded a low priority and will require a full operational justification completed by the District Operations Manager (OM) and endorsed by the Assistant Chief Officer (ACO).

3. Business Rules

The Business Rules are:

- Brigades / Groups can apply for only **one** project in 2019/20.
- The Chief Officer will be responsible for the overall management of the program.
- All funding applications must be endorsed and prioritised by the respective District Planning Committee's (DPC) and be consistent with District / Region Infrastructure Plans
- Any additions to the Brigade owned fleet will be subject to the approval of the Chief Officer.
- CFA will maintain approved tankers and specialist appliances to Level 1 maintenance.
- Projects commenced prior to Ministerial approval are not eligible for financial assistance.
- It is the responsibility of Brigade/Group to replace assets acquired under the program.
- All Minor works projects must be registered with the VESEP Minor Works Project Manager prior to submission of the application.

4. Selection Criteria

In addition to the selection criteria referred to in the brochure the following CFA criteria will apply and all applications will be assessed on these criteria:

- **Needs Assessment**
 - Is the vehicle / equipment operationally justified?
 - Is the vehicle / equipment suitable for the risks?
 - Is the primary appliance used on strike teams?

- **Risk Assessment**
 - What is the risk environment?
 - Is the risk environment changing?
 - What is the likelihood of the a significant event (Rare, Unlikely, Moderate, Likely, Almost certain]
 - What are the consequences of a significant event?

- **Ability to Crew and Operate**
 - Can the brigade adequately house the vehicle?
 - Can the brigade crew and operate the vehicle and/or equipment?
 - Does the Brigade have the appropriately trained personnel?

- **Benefit to the Community / Catchment**
 - Will the vehicle / equipment be used in the broader community?
 - Will the asset bring a benefit to the community?
 - Is the likelihood that the asset may be provided in the area by CFA / or other agencies ie Vic SES?
 - Will the improved amenities benefit the broader community?

- **Capacity to Fund**
 - Can the Brigade / Group fund the required vehicle / equipment contribution?
 - Can the Brigade / Group fund future maintenance and replacement of the vehicle / equipment?

- **Core Responsibility Factors**
 - Does the proposed asset use fall within the Brigade / Group core responsibilities?

- **Enhance Operational Readiness**
 - Will the asset assist in the Brigade / Group operational readiness / service delivery?

5. Endorsed Projects

Below is a list of the projects available through the VESEP program, all of these must be operationally justified.

Separate handouts / brochures are also available with vehicle descriptions, indicative costs and detailed specifications. (Refer to Section 14. *Project Contacts* for details on where to obtain further information).

5.1. Tankers & Big Fill's

VESEP 2019/20 will offer the following Appliances.

(Refer to 6.1 for funding formula)

- Light Tanker – Crew Cab
- Ultra-Light Tanker – Toyota Land Cruiser
- Big Fill
- Medium Tanker (note changed funding arrangements for additions to the fleet)

5.2. Specialist Appliances

Brigades / Groups wishing to apply for, and build specialist appliances not listed in the program will be required to have the projects overseen by CFA Fleet Services and built by an approved body builder.

The program will offer the following Specialist Appliances (refer to 6.2 for funding formula):

- Multipurpose Vehicles
- Rehabilitation Vehicles

5.3. Operational Equipment

Some equipment examples are listed below, all will be considered on their respective merits:-

(Refer to 6.2 for funding formula).

- Field Command Vehicles (inc Standard Design Model)
Applications must be supported by a weight vehicle calculation pro forma if not the CFA standard build. GVM upgrades will not be considered for any FCV's.

The Weight vehicle calculation pro forma is available on *Brigades on Line – Brigade / Property & Equipment / Brigade Owned Vehicles / Equipment Information*.

- Remote area lighting
- Staging area equipment
- Thermal imaging camera
- Hose testing trailer
- Hygiene unit trailer
- Storz couplings / fittings
- Audio visual training equipment
- Hose / branches
- Single / dual axle big fill trailer
- Defibrillators

Items not available under the program are:

- Helmet Torches
- Breathing Apparatus
- Radios
- Major Capital Works >\$100K
- PFIT Kits
- Turn Out Systems
- GVM upgrades on FCV's

5.4. Volunteer Amenities Improvements

A priority for this funding round is to assist brigades with grants for small works and equipment that enhance CFA member amenities. The total value of these projects shall be less than \$5k in total (\$3,333 VESEP & \$1,667 Brigade contribution) and should be of a non structural nature, not requiring a building permit.

Examples may include:

- Air Conditioning
- Kitchen Refurbishment / Fridge
- Hot Water Services
- Crockery / Cutlery
- Carpet / Lino
- Stove / Oven
- Furniture
- Table / Chairs

Any work undertaken may need to be inspected by the Asset Project Officer and should be carried out by a qualified trades person/s.

5.5. Brigade Minor Works

Funding will also be provided to assist Brigades to undertake minor works which will also enhance CFA member amenities, safety and wellbeing. The total project value is to be less than \$100k (\$66,667 VESEP & \$33,333 Brigade contribution).

Minor Works projects will require pre-registration, assessment and management by the VESEP Minor Works Project Manager and the Asset Project Officer.

It should be noted that a Town Planning permit will most likely be required (refer definition below). In this case the obtaining of all necessary planning and permit approvals will be coordinated through the VESEP Minor Works Project Manager as part of the project implementation.

Examples may include:-

- Motorization of motor room door/s
- Installation of garage / shed
- Male / Female turn out areas
- Static Generators (CFA specification)
- Extension to station
- Car park sealing
- PPC storage
- BBQ areas

Planning Permit

In general terms, works which propose changes to the shape, size and external appearance of a building, or change site conditions which impact on the local amenity, council infrastructure and streetscape require a Planning Permit. Example - Works involving building extensions (and alterations), modifications to hardstand areas which increase site water catchment and impact on council drainage systems, works involving tree removal and alterations to landscaping, works to crossovers outside property boundaries require Planning Permits.

Building Permit

A Building Permit is required under the Building Act (Victoria) for all building works unless the works being executed is deemed to be maintenance works – i.e., where the work involves the replacement of an existing item when completed, is substantially the same as the existing conditions. All work is required to be undertaken in accordance with National Code for Construction (NCCA) formerly Building Code of Australia (BCA).

*Example - Any kitchen or bathroom upgrades undertaken at CFA sites require a building permit. Any physical alteration to the building structure will require a building permit and drawings from appropriate design consultants. **The value of works has no bearing on whether or not a Building Permit is required for CFA Buildings.***

6. Funding Formula

There are two sources of funding for this program, Brigade/Group and VESEP.

6.1. Tankers & Big Fill's

Crew Cab Light Tanker, Ultra Light Tanker & Big Fill Units

- \$2 VESEP to \$1 Brigade Cab Chassis cost

Body

- Funded by grant contribution

Medium Tanker – Addition to Fleet

- \$2 VESEP to \$1 Brigade total cost of vehicle

Medium Tanker – Replacement Tanker

- \$2 VESEP to \$1 Brigade Cab Chassis cost

Body – Replacement vehicle

- Funded by grant contribution

6.2. Specialist Appliances & Operational Equipment (inc FCV's)

- Specialist Appliances & Equipment are wholly funded by Brigades & VESEP as per the formula below.
- \$2 VESEP to \$1 Brigade – to a maximum VESEP contribution of \$150,000
- For replacement FCV's previously funded through the program the \$2: \$1 funding formula will now only be applied to the net change over value (*ie* cost less trade in value).

6.3 Volunteer Amenities Improvements

- \$2 VESEP to \$1 Brigade – to a maximum VESEP contribution of \$3,333

6.4 Brigade Minor Works

- \$2 VESEP to \$1 Brigade – to a maximum VESEP contribution of \$66,667

7. Funding Contribution Rules

7.1. Brigade

- Brigades / Groups must demonstrate the capacity to fund their portion of the project costs which may include an Extended Credit application.
- Special Access Grant Provisions – refer to Point 10 for guidelines.

7.2. Volunteer Emergency Services Equipment Program

- In most cases VESEP funds will not be released until completion of the project
- Projects commenced on or before Ministerial approval will not be eligible for VESEP funding

8. Application Process

Step 1. Brigade's / Group's to complete application forms in conjunction with District staff and forward to the Operations Managers for operational justification, and to ensure that the application is in accordance with the District Infrastructure Plan.

In the case of Amenities and Minor Works applications, the Asset Project Officer and the VESEP Minor Works Manager will be required to provide an assessment of the application to verify the scope of the proposed works, cost estimates and the deliverability of the project as a prerequisite to consideration of the application.

Step 2. Application forms to be reviewed at District Planning Committee (DPC), or DPC Sub-Committee, and priorities allocated to all applications.

Step 3. The Assistant Chief Officer reviews and provides comment on the DPC recommendations. All endorsed applications, along with supporting information, are forwarded to the VESEP Project Coordinator

Step 4. VESEP CFA Statewide Steering Committee meets to determine State wide priorities and seeks Chief Officer's endorsement. The VESEP Statewide Steering Committee consists of VFBV, Operational and Regional representatives.

Step 5. CFA recommendations forwarded to the VESEP Emergency Management Victoria Committee, who will consider submissions from all participating agencies prior to seeking Ministerial approval.

Step 6. Minister announces approved projects

9. Application Conditions

- **Brigades / Groups may apply for only one project in 2019/20**
- Approval for funding for a replacement tanker or specialist appliance is conditional on providing proof of disposal of an existing Brigade owned, or community owned tanker
- Tankers less than 20 years of age will not be considered for replacement unless in poor mechanical condition
- FCV Vehicles under five (5) years of age will not be considered for replacement under the program
- Projects which commence prior to the Ministers approval, will not receive any financial assistance from VESEP
- Offers of funding must be accepted within 60 days of receipt of offer or the offer may be withdrawn
- Incomplete applications will be returned to the District and not considered for VESEP 2019/20 funding
- CFA will coordinate the VESEP applications from CFA Brigades
- Brigades / Groups will be required to enter into an agreement to cover the proposed funding arrangements

10. Special Access Grant

Provisions are available for all VESEP projects that are operationally justified. The Brigade / Group should indicate a voluntary contribution amount, if any, with their application. All special access grant applications require an accompanying endorsement from the Assistant Chief Officer justifying the application. Brigades wishing to access this facility are to contact their Operations Manager to discuss progression of an application.

11. Maintenance

- Successful applications for the tankers listed under the Tankers in 5.1 and Specialist appliances listed under 5.2 will attract level 1 full DMO maintenance support.
- All other appliances will receive a Brigade owned maintenance allowance as approved by the District

12. Future Replacement

As part of the conditions relating to the offer of funding, Brigades / Groups are required to accept responsibility for the future replacement of the vehicle or item of equipment. Whilst CFA does not undertake to replace the vehicle or equipment when it reaches the end of its life, consideration for replacement may be given on a merit basis.

Each Brigade / Group is to prepare a financial plan for funding the replacement of the vehicle or equipment when it reaches the end of its operational life – as deemed by CFA Policy.

13. Technical Requirements – General

Any Cab chassis, which can be new or used, must comply with current CFA specifications. Funding will not be approved to assist Brigades / Groups acquire a cab chassis that does not meet CFA current specifications.

Any new cab chassis purchased by Brigades / Groups must be modified to meet CFA standards at Brigade expense.

Second hand cab chassis under 5 years old will only be accepted after a DMO inspection to the satisfaction of the Operations Manager. The inspection will include roadworthiness and robustness relevant to the proposed use and lifespan as a firefighting vehicle.

14. Project Contacts

Further information and assistance can be obtained through the following channels:-

Or Ask your **Operations Manager** or **Commander**

Or

CFA's Brigades Online contains all documentation including vehicle descriptions, indicative costs and specifications. This information can be found by going to: Brigades Online home > Brigade > Property & Equipment > Brigade Owned Vehicles > Current VESEP Details

CFA's Intranet: This information can be found by going to Intranet home > Operations > Firefighting vehicles > Brigade Owned Vehicles > Current VESEP Details

Or

VFBV Website: Application assistance can be obtained via VFBV Field Officers
www.vfbv.com.au/vesep.php

Diane Frost
VESEP Project Coordinator
P O Box 701
Burwood East Vic 3149
☎: 03 9262 8630
✉: d.frost@cfa.vic.gov.au

Bruce Rowley
VESEP Minor Works Project Manager
P O Box 701
Burwood East Vic 3149
☎: 03 5735 3112
✉: b.rowley@cfa.vic.gov.au

15. Timelines - *Anticipated dates and maybe subject to change*

| Dates | Process |
|----------------------------|---|
| 24 th June 2019 | Application's Open |
| 29 th July 2019 | Applications Close - <i>Completed application forms along with relevant documentation should be forwarded to your Operations Manager for processing</i> |

| | |
|--|--|
| 30 th July – 9 th August | District Planning Committee (DPC) or designated sub committee prioritises applications. Assistant Chief Officer to review and provide comment on the recommendations |
| 13 th August 2019 | All applications forwarded to CFA VESEP Project Coordinator |
| 26 th September 2019 | <p>CFA VESEP Steering Committee meets to determine State wide priorities.</p> <p>Steering Committee Representatives: - Adam Barnett – VFVB Mark Dryden - VFVB Hans Van Hammond – VFVB Bruce Conboy – VFVB Darren Wallace – VFVB Stephanie Rotarangi– Deputy Chief Officer Operational Capability & Growth Peter O’Keefe – Assistant Chief Officer West Ross Sullivan– Assistant Chief Officer North East Michael Gannon – Manager Infrastructure Planning Diane Frost – VESEP Project Coordinator</p> <p>Advisors: - Danny Jones – Executive Manager Technical Asset Strategy and Services Craig Brownlie – Manager Structural Fire Planning Bruce Rowley – VESEP Minor Works Project Manager</p> |
| 30 th September 2019 | Chief Officer meeting to review recommendations and statewide initiatives |
| Early October 2019 | EMV meets with all agencies to review priorities and seek Ministerial approval of projects |
| Mid October 2019 | EMV forwards all agency recommendations for Ministerial approval |
| Mid / Late October 2019 | Anticipated Ministers announcement and advice forwarded to successful Brigades |
| Mid / Late October 2019 | CFA advises all applicants of funding outcomes |

- *The Minister will formally advise the successful applicants*



VOLUNTEER FIRE BRIGADES VICTORIA
assisting CFA Brigades and Groups
with a timely application for
VESEP funding

VOLUNTEER EMERGENCY SERVICES EQUIPMENT PROGRAM



ADDENDUM 4

CFA APPLICATION FORMS

| | | |
|---|---|------|
| 1 | Part A: Vehicles and Operational Equipment Application Form | p 88 |
| 2 | Part B: Volunteer Amenities and Minor Works Application Form | p 90 |
| 3 | Addition to the Firefighting Appliance Fleet Operational Justification Form | p 92 |
| 4 | Vehicle Weight Proforma for VESEP Applications | p 95 |

2019/20 Volunteer Emergency Services Equipment Program

Part A: Vehicles and Operational Equipment Application

Date: / /

District:

Brigade/Group Name

Brigade/Group No:

Region:

DPC Priority Ranking:

Contact for Project:

| | | | |
|---------|--|-----------|--|
| Name: | | | |
| Phone: | | Mobile: | |
| Email: | | | |
| Postal: | | | |
| | | Postcode: | |

Privacy Collection Statement

CFA is collecting this information for the purpose of the Volunteer Emergency Services Equipment program. The personal information provided will be used to assist us in communicating with you for the purpose of this grant and will also be provided to Emergency Management Victoria Senior Grants Officer and if successful to suppliers. You are not required by law to provide us with this information however if you choose not to this will hinder the ability for you to obtain a grant. This information will be held at CFA HQ's by the VESEP Project Coordinator, who can be contacted by phone on 9262 8630 or email VESEPProject@cfa.vic.gov.au

Proposed Vehicle or Operational Equipment:

| Item | Type/Description | Estimated Cost | Addition | Replace |
|-----------------------|------------------|----------------|--------------------------|--------------------------|
| Vehicle * | | \$ | <input type="checkbox"/> | <input type="checkbox"/> |
| Operational Equipment | | \$ | <input type="checkbox"/> | <input type="checkbox"/> |

* FCV applications (excluding the CFA standard build) must include a vehicle weight calculation pro forma available on Brigades on Line

Current Brigade Vehicles: - If applying for a replacement vehicle indicate vehicles being replaced

| Model/Size | Registration | Owned (CFA/Brigade) | Year | Age | Details | Replacing |
|------------|--------------|---------------------|------|-----|---------|--------------------------|
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |
| | | | | | | <input type="checkbox"/> |

Brigade Information: -Additional brigade information or comments can be provided on a separate document

| | |
|---|-----|
| How will the Brigade consistently crew and operate vehicles and/or equipment? | |
| | |
| If the proposed vehicle is an addition provide details of where the vehicle is to be housed, | |
| | |
| Does the Vehicle / Equipment meet the Regional Strategic Resourcing Plan? (provide detail) <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Brigade Turnouts per year: | |
| Is the future Population / Risk Environment trending up or down: | |
| Time Distance from Next Responding Brigade | Min |

Brigade Finances:

| | |
|--|----|
| Total Brigade Funds: Attach supporting evidence. Eg: (CFA Audit Report, Bank Statements or Brigade Financial Plan) | \$ |
| Disposal of Vehicles being replaced: (Attach evidence eg: Trade-in valuation) | \$ |
| CFA Extended Credit: (Only applicable if Brigade intend to apply) | \$ |

Project Costs: - excluding GST

| | | | |
|-----------------------|----|--------------------------|----|
| Brigade Contribution: | \$ | Total Grant Contribution | \$ |
| | | Total Project Cost | \$ |



VESEP Selection Criteria & Endorsement

This section is to be completed by the District

1. Needs Assessment

- Is the vehicle / equipment operationally justified? Yes No
- Is the vehicle / equipment suitable for the risks? Yes No
- Is the primary appliance used on strike teams? Yes No

2. Risk Assessment

- Is the risk environment changing Yes No
- What is the risk environment _____
- What are the consequences of a significant event _____
- What is the likelihood of a significant event High Med Low

3. Ability to House, Crew and Operate

- Can the Brigade consistently house, crew and operate vehicles and/or equipment? Yes No
- Where will the vehicle be housed: _____ Not applicable
- Does the Brigade have the appropriately trained personnel? Yes No

4. Benefit to the Community / Catchment

- Will the vehicle / equipment be used in the broader community? Yes No
- Will the asset bring a benefit to the community? Yes No
- Is the likelihood that the asset may be provided in the area by CFA / Vic SES? Yes No

5. Capacity to Fund

- Can the Brigade fund the appropriate vehicle / equipment? Yes No
- Can the Brigade fund future maintenance & replacement of the vehicle/equipment? Yes No

6. Core Responsibility Factors

- Does the proposed asset use fall within the Brigade core responsibilities? Yes No

7. Enhance Operational Readiness

- Will the asset assist in the Brigade/Unit's operational readiness/service delivery? Yes No

8. District Comments:- (Rationale comments are included with recommendations forwarded to EMV and may be used in other correspondence)

Recommendation and Endorsement

DPC Endorsement

Meeting Date: / / Endorsed Not Endorsed

Operations Manager Endorsement

Name: Signature Date: / /

Assistant Chief Officer Endorsement

Name: Signature Date: / /

2019/20 Volunteer Emergency Services Equipment Program

Part B: Volunteer Amenities and Minor Works Application



Date: / /
 Brigade/Group Name
 Region:

District:
 Brigade/Group No:
 DPC Priority Ranking:

Privacy Collection Statement

CFA is collecting this information for the purpose of the Volunteer Emergency Services Equipment program. The personal information provided will be used to assist us in communicating with you for the purpose of this grant and will also be provided to Emergency Management Victoria Senior Grants Officer and if successful to suppliers. You are not required by law to provide us with this information however if you choose not to this will hinder the ability for you to obtain a grant. This information will be held at CFA HQ's by the VESEP Project Coordinator, who can be contacted by phone on 9262 8630 or email VESEPProject@cfa.vic.gov.au

Contact for Project:

| | | | |
|---------|--|-----------|--|
| Name: | | | |
| Phone: | | Mobile: | |
| Email: | | | |
| Postal: | | Postcode: | |

Proposed Volunteer Amenities or Minor Works:

| Item | Type/Description | Estimated Cost |
|------------------------------|---|----------------|
| Volunteer Amenities <\$5k | | \$ |
| Minor Work < \$100k | Summary: (Attach detailed information eg Quotations) | \$ |

Brigade Information: -Additional brigade information or comments can be provided on a separate document

| | |
|--|--|
| Brigade Membership No: | |
| Is the future Population / Risk Environment trending up or down: | |
| Is the facility used regularly by the broader Community | |

Brigade Finances:

| | |
|--|----|
| Total Brigade Funds: Attach supporting evidence. Eg: (CFA Audit Report, Bank Statements or Brigade Financial Plan) | \$ |
| CFA Extended Credit: (Only applicable if Brigade intend to apply) | \$ |

Project Costs: - excluding GST

| | | | |
|-----------------------|----|--------------------|----|
| Brigade Contribution: | \$ | VESEP Contribution | \$ |
| | | Total Project Cost | \$ |

VESEP Selection Criteria & Endorsement

This section is to be completed by the District

| AMENITIES <\$5k | | |
|--|-----|-----------|
| • A quote is to be submitted with application inclusive of associated works required (eg: installation, modifications to switch board) | Yes | No |
| • Has the application been discussed and endorsed by the Operations Manager | Yes | No |
| • Does the project require certification from a qualified trades person on completion | Yes | No |
| • Is there sufficient power allocation to the site to accommodate future demand | Yes | No |
| MINOR WORKS <\$100k | | |
| • Has the proposed project been registered with VESEP Project Manager | Yes | No |
| • Has the project been fully scoped and documented with detailed plans available | Yes | No |
| • Has a minimum of 2-3 competitive quotes been obtained | Yes | No |
| • Does the project require a Building Permit or Town Planning (if unknown Project Manager will advise) | Yes | No |
| • Has the application been discussed and endorsed by the Operations Manager | Yes | No |
| • Is the Brigade aware that a commercial builder is required for all extensions / modifications | Yes | No |
| • Is the Brigade proposing to provide work in kind, if so, provide details with application Note: In kind works may reduce the total cost of a project however a 1/3 rd monetary contribution is required | Yes | No |
| District Comments: | | |
| APO Comments: | | |
| Signed: | | Date: / / |

1. Benefit to the Community / Catchment

- Will the asset be of benefit to the broader community? Yes No

2. Capacity to Fund

- Can the Brigade fund future maintenance & replacement of the asset Yes No

3. Core Responsibility Factors

- Does the proposed asset use fall within the Brigade core responsibilities? Yes No

4. Enhance Operational Readiness

- Will the asset assist in the Brigade/Unit's operational readiness/service delivery? Yes No

5. District Comments:- (Rationale comments are included with recommendations forwarded to EMV and may be used in other correspondence)

Recommendation and Endorsement

DPC Endorsement

Meeting Date: / / Endorsed Not Endorsed

Operations Manager and Endorsement

Name: Signature Date: / /

Assistant Chief Officer Endorsement

Name: Signature Date: / /

Volunteer Emergency Services Equipment Program



Addition to the Fire Fighting Appliance Fleet Operational Justification

Brigade/Group Name:

District:

Brigade Contact:

Brigade Summary

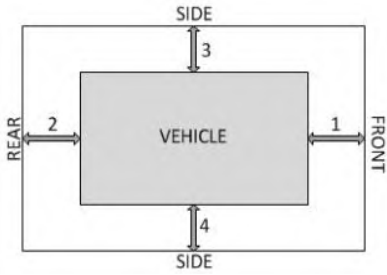
| Membership | Number | Incident | Number |
|-----------------|--------|----------|--------|
| Operational | | Primary | |
| Non Operational | | Support | |
| Population | | | |

Current Vehicles (RMS Resource Summary)

| Model/Size | Owner (CFA or Brigade) | Year | Age |
|------------|------------------------|------|-----|
| | | | |
| | | | |
| | | | |
| | | | |

Details of where the appliance will be housed:

Appliance Clearances at Housed Location



| Appliance Measurements | Width (Excluding Mirrors) | Length | Height |
|------------------------|------------------------------|--------|--------|
| FCV | 2m | 6m | 2m |
| ULT | 1.94m | 5.62m | 2.06m |
| Light Tanker | 2.14m | 6.62m | 2.8m |
| Medium Tanker | 2.85m | 7.35m | 3m |

| | |
|-------------------------------|--|
| (1) Front Length Measurement: | |
| (2) Rear Length Measurement: | |
| (3) Side Width Measurement: | |
| (4) Side Width Measurement: | |

Brigade Operational Profile

Changes to Risk Environment

DPC Comment

Operational Justification

| |
|--|
| |
|--|

Approval

| Operations Manager | A / Chief Officer Endorsement | Chief Officer Approval |
|---------------------------|--------------------------------------|-------------------------------|
| Date: | Date: | Date: |

Vehicle Weight Proforma for VESEP Applications

Brigade / Group Name:

Proposed Vehicle Make:

Proposed Vehicle Model:

Vehicle Type: Single Cab / Dual Cab / Wagon

Vehicle GVM according to Manufacturers specification:

Number of Seats in Vehicle:

Transmission: Manual / Automatic

Accessories:

Note: Bull bars, snorkels, driving light mounting, etc. must be genuine accessories.

| Accessories | Yes / No | Approximate Weight |
|-----------------------------|----------|--------------------|
| Steel Bull Bar | | 80 kg |
| Alloy Bull Bar | | 55 kg |
| Draw System | | 85 kg |
| Fridge | | 25 kg |
| CFA Recovery Kit | | 20 kg |
| Slabs of water | | 15 kg per slab |
| Other Equipment | | kg |
| Total Weight of Accessories | | kg |

Weight Calculations:

| Line | Details | Weights |
|------|--|------------------|
| 1 | GVM of Vehicle (Refer to Weight Loadings for Common FCV document) | kg |
| 2 | Tare Weight of vehicle according to manufacturer's specification (Refer to Weight Loadings for Common FCV document) | kg |
| 3 | Total Weight of accessories (As per table above) | kg |
| 4 | Add weight of Accessories to Tare Weight = TOTAL VEHICLE WEIGHT (Line 2 weight plus line 3 weight) | kg |
| 5 | Subtract the TOTAL VEHICLE WEIGHT from GVM OF VEHICLE = weight available for passengers. (Line 4 weight minus line weight 1) | Kg |
| 6 | Divide weight available for passengers by 114 kgs to determine number of passengers including driver the vehicle can legally carry (Divide Line 5 weight by 114 = passenger number) | Passenger Number |

Note: A GVM upgrade will **not** be considered for a FCV vehicle.

Please forward completed form with VESEP Application