

Get Water Ready: tanks, pumps and sprinklers



Feedback Survey Q9: What actions will you take as a result of this webinar to improve your bushfire safety?

1	Install fibro-cement heat barriers between the exhaust and fuel tank & carburetor of our fire pump.
2	Attend expo/ investigate gravity feed potential/ look into covers, enclosures for pumps, generators.
3	Check the fire protection on Flexi Connections to pumps and Tanks and review the mesh options in relation to the effectiveness of the spray systems. Look into the Electric Pump options
4	Look at improving protection around my generator
5	Realized that our best move is to get off the hill on high fire danger days. Do not have husband's support to implement required strategies to stay.
6	Build pump ember shelter. Shield exhaust inlet manifold and tank on pump. Shield intake hoses and output hose. Look at cost of concrete tank or steel tank
7	Further explore and implement DIY methods of constructing/fitting window shields. Install heat shields around and between fire-pump elements, including exposed pipes near pump (and construct ventilated masonry pump "house" with appropriate ember protection). Explore options to enlarge fire-pump fuel tank (well-protected) Address some mulch issues near to house. Explore possibility of second fire pump system to run off separate (dedicated) tank Obtain "fire hoses" suited to deployment after fire front has passed
8	Unsure as yet
9	Our farm burnt out in January 2020 and we are still struggling to get back to square one. We have been researching each step of the way since then as to how best to fireproof ourselves as we re-build. This webinar is helpful; with reminders and a few pieces of useful information that we may not have been aware of before. Taking into account includes: Water pipe dug well into the ground, (previously was running across the surface from our dams to our various stock water outlets, to our home and through our gardens ("When I have time I'll dig it in"- it never happened so we lost it all.). Your comments about fire sprinkler system on house and other buildings will be very useful in our planning about where to position them.
10	Insulate fuel tank of pump consider fixed fuel container in pump house
11	Review our fire tank and water storage
12	I plan to install a sprinkler system around the house and to look at driving it with an electric motor/s with solenoid operated valves that I can operate remotely

13	Recheck the possible ember entry points especially in the roof cavity. Organise better heat shielding for diesel pump
14	Review plastic piping and diesel vs. electric generator/pump.
15	Purchase of a water tank and pump.
16	Upgrade water storage and purchase pump etc
17	Testing of home defenses, testing fire hoses to match CFA testing pressures, coupling CFA fittings to home defenses to become fully compatible.
18	Construct a shield to protect pump Consider increasing fuel tank capacity of diesel pump. Consider positioning heavy duty sprinklers to water sides of house (roof sprinklers and sprays already in place). Reminder to fill or place metal mesh in/over house gaps
19	I was planning to purchase a new fire pump prior to the oncoming season. I have changed my mind regarding what pump I will purchase based on information shared last night
20	Investigate sprinkler systems and electric pumps
21	Use exhaust wrap and aluminum covering around my exposed Poly pipe that connects to my tanks and pumps.
22	Look at replacing my plastic tank with a metal one.
23	I will focus on increasing the resilience of my electric pumping system.
24	I will not rely on my petrol "firefighter" and plastic hoses
25	We will replace our petrol fire pumps with diesel pumps and will construct heat and ember screens around them.
26	Nil, don't think these actions are as relevant in the grasslands.
27	Invest in gravity feed sprinklers
28	Clean up around the house with the prospect of ember attacks and shielding current exposure sites.
29	Update my fire plan and equipment/resources that protect my assets and livestock
30	Get a pump and hoses and get ready to defend (if I have to)
31	I have a lot of bushfire protection works that are not fully completed. The webinar has provided impetus for me to finish these works ASAP and also the webinar has reinforced thoughts, plans that I had.
32	Will reassess pump type, position and protection
33	Investigate use of heat resistant material to shield fire pump - we have recently had our house wired to connect a generator to our meter box. - We now await the arrival of our generator so we have back up power to run our 2 back up electric pumps.

34	Reviewing our action plan, engaging specialist advice
35	Review pumping system
36	Review pump fittings
37	We have already made the changes to our house that were within our budget when the house was constructed 10 yrs ago. We have long been Community Fireguard members and benefited from info gleaned at that time.
38	Discuss our pump situation with my husband
39	Consider sprinklers. Clear around tanks more thoroughly. Lag some of the exposed pipes
40	Replace petrol pump with either diesel or electric. Bring hoses inside during fire front. Keep areas around plastic tanks clear.
41	Install a couple of steel tanks and connect them with metal pipes to an electric pump located in an improvised fireproof shelter. I'll revisit my reliance on a petrol pump and whether I can locate it in a "protected" area. Also reconsider how my various plastic tanks are connected and how viable they maybe in a fire event.
42	Fire proof our fittings, think more about pump protection and options, just hope we experience a bad one because from this info, we wouldn't have much hope given the amount of tall trees we have around us
43	Look at airflow on my pump cover. Need to improve it
44	Probably not much. Water supply and housing density is quite high
45	I will pass on the information
46	Pump insulation and ember defense improvement
47	Will eventually install a sprinkler system.
48	Rethink the plastic tanks, fire pump is inadequate so will look at our solar system to back up our electric pumps.
49	I may re site an existing pump and set up a dual sprinkler system off it from an independent water source.
50	Review the effectiveness of the housing only generator
51	A few additions to my water pump set up
52	Cover for pump, complete fire trailer
53	Leave early.

54	Enclose my fire pump and try to make it in a cleared area. Firstly i would take action on the flammability of the house and making it more resilient to fire, Think about long-term getting some perimeter sprinklers.
55	Investigate electric water pumps and surface mounted sprinklers.
56	Firstly, we have decided to install a spare water tank that is gravity fed. We can at least use it to fill knapsacks for ember extinguishing. Later, when funds allow, we will install a new pump in suitable casing, with appropriate metal pipework and sprinklers around the perimeter of the house at ground level.
57	I'm just about to install an automated ember attack sprinkler system. I think I'll make some changes to the design given the information provided by Justin.
58	Design an appropriate water storage, pump & sprinkler system, cost it and install.
59	Will review pump housing ember effectiveness.
60	I will share it with family members who live in high bushfire risk areas.
61	Pay attention to improving my petrol pump resilience
62	Change a petrol pump for a diesel
63	Currently installing a new fire pump house for recent 137k (plastic lined) steel tanks. Will be modifying design to incorporate previous suggestions and looking at electric pump. Have just purchased remote start petrol Davey so will be looking at protective measures outlined for extreme fire events.
64	Continuing planning to improve existing system which has weaknesses with exposed poly pipe
65	Perhaps rethink the use of our roof sprinklers or their relocation.
66	Check out our pump and connections. look seriously at sprinklers away from the house (in addition to the current sprays we have on the house). gravity fed water system.
67	Build a protective pump enclosure and wrap the plastic inlet and outlet pipes in fire retardant materials. Try to put the poly pipes underground. Not sure how we can put sprinklers on the roof of the house.
68	General tidy up and clearing of vegetation away from home and think about a sprinkler system on the ground with mains water
69	Not sure. Try to learn more
70	I will set out a plan about improving our gravity fed system and removing more plastic elements, and look at a electric pump.
71	Leave even earlier
72	As I'm in a more suburban setting in Eltham I think the expense of implementing some of the measures may not be justifiable. The best option for my wife and I would probably be to leave early and stay with friends in the inner suburbs.

73	Metal sprinkler system. Appropriate covers for pumps Line tanks
74	Maybe increased awareness of vulnerable parts of the infrastructure.
75	Up the insurance & leave early. To have a decent working system is almost impossible on our budget!
76	Revue sprinkler systems
77	Review the location of an existing poly pipe from dam and the linked standpipe for fire fighting hose connection. Consider water sources available for fire fighting use. Consider sprinkler install around house.
78	Get some impact sprinklers, investigate electric pumps and plan for incorporating this setup when we get batteries for our solar (next year). Build some masonry protection for some essential pipes /use some lagging from the auto shop where needed and use some of the fibre cement scraps from our house cladding to build some inter-component protection on the existing petrol fire pump. Probably some other stuff as well. (I took lots of notes)
79	Look closely at our "waterworks"!
80	I will research electric pump options, combined with self sufficient electric generation, I hadn't given that idea any thought to date
81	Apply protection to the hoses from the pump. Look at how we can protect the pump from ember attack. We have a Besser block wall in front of the pump to protect it from radiant heat.
82	I am quite happy with what I have done so far. I have been fine tuning my plan and setup since 2006. I live in the bush and its just a matter of time when it burns.
83	Being only on town mains, we do feel vulnerable with no tanks - so will be looking at tanks and where to locate them. Plus the type of pumps that will do the job of pump to a header tank, and keep the property at least in some protected. As I do not believe that a fire like last season could be 'beaten'.
84	Review pump house and pump.
85	Protect plastic pipes between the tank and the pump
86	New tank and pump
87	We will be purchasing stainless steel tanks. We will set up a ground mounted sprinkler system that focuses its spray towards our windows in particular. We will aim to have all metal (not galvanised) fittings and pipes above ground. Our pump will be better protected.
88	Consider tank and r/v external fittings
89	Pump enclosure check and plastic hose lagging
90	An inventory on what fittings I need to replace and ensure I have the correct sprinklers available so I know that my bore water will protect me
91	Changed our thoughts about roof sprinklers, will consider peripheral sprinklers instead

92	I will look into getting an electric pump and battery system hooked up to our existing solar panels and a sprinkler system.
93	Protection of pump lines. Installation of a gravity feed tank.
94	We are looking at fire mitigation improvements to a recently purchased house. Consultant to be engaged shortly
95	Better consideration to the effects of keeping the house wet. Leave early is the key.
96	Set up an automated electric pump powdered sprinkler system. Off-grid house so have the ability to power the pump from existing solar batteries.