

Bushfire Risk Project Proposal Assessment

7 January 2024

Prepared by the Bushfire Risk Subcommittee of Mount Nebo Residents Association

Project Title	Bushfire Risk for Mount Nebo Residents Association in conjunction with Mount Glorious Community Association
Project Manager and Team Members	Firesight Pty Ltd will carry out the risk analysis with oversight and project management from Dave Kington. The Fire Futures group will be available to provide oversight of the project on behalf of the community association if the management committee chooses to use the group in this role.
Expected Timeframe	Six months from the time of approval.
Project Description Including Scope and Objectives	<p>Context Fire is the major risk to this community. We are approaching a near future of significant fire risk with dry conditions and a large fuel load. The area covered by the risk analysis is focussed on the Mount Glorious and Mount Nebo community and the area to the west of the community to approximately Split Yard Creek, to the east to Cedar Creek, north to the extent of the Northbrook Parkway and south to areas surrounding Mt Nebo village down to the Brisbane City Council border.</p> <p>This is the area that is likely to be the source of fire threat to the Mount Glorious and Mount Nebo community.</p> <p>Project Deliverables</p> <ul style="list-style-type: none"> • Analysis of the risk to the Mount Glorious and Mount Nebo community will be based on simulation modelling carried out by Firesight Pty Ltd and based on field data to be collected by Dave Kington and Andrew Sturgess from Firesight. • The simulation modelling will provide a realistic understanding of the way fire can spread into the community and will improve targeting of mitigation methods. Because the data collection and modelling will be performed by people familiar with local conditions it will provide a realistic understanding of local bushfire risk based on local knowledge and proven simulation modelling methods. The simulation model will be calibrated against past experience. • At the conclusion of the risk analysis a presentation of the results would be given to the community. The community will be provided with a realistic understanding of the level of fire risk and hence be better equipped to prepare and engage in mitigation

	<p>measures.</p> <ul style="list-style-type: none"> • The risk analysis will also be provided in a report available to all community members that will allow property owners to assess the risk to their property based on the location of the fire relative to their property. They will also be able to assess the least risk exit route should they decide to evacuate. • The data provided by the risk analysis will also provide a sound basis to engage with the various government agencies and advocate on behalf of the community for improved fire risk mitigation measures.
Budget	<p>Firesight have provided a budget estimate of minimum of \$ \$6,050. plus GST.</p> <p>Based on the possible unknowns the association should allow a contingency of approximately 30% and therefore should be prepared to allocate up to \$7,865 for this project.</p> <p>Note that Mount Glorious Residents Association will be allocating up to \$16,000 for this project.</p>
Alignment	<p>This project aligns well and has a good fit with the purpose of the Mount Nebo Residents Association.</p> <ul style="list-style-type: none"> • A shared understanding of the risk to life and property will promote good citizenship within the community by providing additional rationale for mutual cooperation within the community for community members to assist each other to reduce risk to their properties. (Object 4 MNRA Constitution) • joining in this Bushfire Risk Assessment with the MGCA is a logical step to assessing and preparing for the most significant natural risk to life and property faced by both communities. The risk to both villages from bushfires is inextricably linked, and it is most efficient and cost-effective to do an assessment of the areas surrounding both communities in the one modelling exercise. This is a great example of co-operating with a public organisation with similar goals. (Object 7 MNRA Constitution) • Information generated by the Bushfire Risk assessment will form the basis of dialogue with the relevant agencies and all levels of government to coordinate an appropriate response in terms of mitigation and bushfire preparedness, and will enable the community to submit constructive proposals in this regard, where deemed necessary (Object 6 MNRA Constitution). • Preservation of the natural beauty of the flora and fauna in the forest and the consequent lifestyle it provides to the community will be enhanced by an improved understanding of the risk and the opportunity to act to reduce it.
Benefits	<p>The benefit to the community will be provided by the key outcomes of the project</p> <ul style="list-style-type: none"> • The Mount Glorious and Mount Nebo community will have a deeper understanding of local bushfire risk that will empower them to drive mitigation, prevention and preparedness.

	<ul style="list-style-type: none">• The community will have improved bushfire resilience through delivery of a risk assessment methodology that uses best practice simulation-based modelling, including consequence modelling for community natural and cultural assets.• Communication with stakeholders will be enhanced. An objective risk assessment that is intuitively visualised provides a common picture for landowners, internal and external stakeholders like QFES and QPWS to understand how prevention and preparedness activities build community resilience.• Community members will have the option to assess the risk to life and property based on the location of the fire relative to their property. Community members will also have the ability to assess the least risk evacuation route.												
Project Activities and Milestones	<table><tr><th>Milestone</th><th>Activity</th><th>Date</th></tr><tr><td>Initiation</td><td>Contract execution</td><td>On approval</td></tr><tr><td>Milestone 1</td><td>Kickoff – meeting, project initiation tasks and onsite fuel assessment</td><td>2 weeks after approval</td></tr><tr><td>Close out</td><td>Onsite project closeout presentation, final report and Q&A session</td><td>6 months after approval</td></tr></table>	Milestone	Activity	Date	Initiation	Contract execution	On approval	Milestone 1	Kickoff – meeting, project initiation tasks and onsite fuel assessment	2 weeks after approval	Close out	Onsite project closeout presentation, final report and Q&A session	6 months after approval
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Recommendation	That the Mount Nebo Residents Association approve a commitment to both support and fund the proposed work.												
Resourcing Alternatives	<p>Talks have previously been held with Government agencies but the agencies have declined to assist this work. There are no indications that this position will change. However the Fire Futures group will continue to seek assistance with the project.</p> <p>It will be important that any offer to assist the project does not involve any loss of control over the inputs to the project or modelling methodology.</p>												
Risk Management	Because inputs to the model and modelling methodology are to be conducted by people with local knowledge the risk that model output is not accepted by the community and will be mitigated by retaining control over these key elements of the project.												
Project Evaluation	<ul style="list-style-type: none">• A fire model that replicates observed behaviour.• Community acceptance of the risk assessment outcomes by the community												
Additional Information	The Firesight Bushfire Risk Proposal is attached and provides additional detail to this application.												