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Even more power upgrades to reduce fire risk for Bendigo region

Powercor has installed new technology to further reduce the fire risk in key sections of the network near Bendigo.

Work to install covered conductor technology is now complete, with 19km of powerline at Bridgewater North and 7km at Woodvale now replaced. The upgrade is part of a \$4.2 million program to install covered conductor technology, which also includes an upgrade at Modewarre, near Geelong.

Covered conductors are overhead powerlines which have an insulated covering around them. They are being rolled out in targeted high bushfire risk areas and installed when existing powerlines reach the end of their service life.

Safety and reliability of powerlines are dramatically increased with the use of covered conductor, with a fire risk reduction rating of more than 98% when compared to bare-wire lines.

The technology can also be typically rolled out faster and more efficiently than methods such as undergrounding.

The installations at Bridgewater North and Woodvale, as well as at Modewarre, are part of a trial to determine whether the technology can be rolled out across the network more extensively.

The upgrades come after Powercor completed a \$15 million program in 2020 to underground more than 32 kilometres of single wire earth return (SWER) lines around Lockwood, McCombs and Bridgewater.

Powercor Manager Network Assurance Dene Ward said both the covered conductor upgrade at Bridgewater and the undergrounding works were part of a broad bushfire mitigation program which also included asset inspections, vegetation management and the installation of smart technology to identify faults faster.

“Safety is always our number one priority and everything we do on the network is designed to keep it safe and reliable for our customers,” Mr Ward said.

“This technology is showing a lot of promise and avoids some of the delays we encounter with undergrounding, such as when we hit hard rock.”

“We’ve worked closely with local government and with landowners to minimise impacts for these communities during this work.”

These upgrades follow the installation of new bushfire mitigation devices in 2020, with Rapid Earth Fault Current Limiter (REFCL) devices now installed at the Bendigo Zone Substation, Bendigo Terminal Station and Eaglehawk Zone Substation.

“We’re doing everything we can to keep the lights on and communities safe,” Mr Ward said.

For more information on Powercor’s bushfire mitigation work, visit <https://www.powercor.com.au/safety/bushfire-mitigation-program/>

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For more information call Powercor’s media line on (03) 9683 4342



Background – Powercor

Powercor distributes electricity to 850,000 customers across the western suburbs of Melbourne and through central and western Victoria to the South Australian and New South Wales borders. Electricity is distributed in the region via a network comprising over 88,400 kilometres of wires, supported by more than 577,420 poles and associated infrastructure.

Residential households account for 86 per cent of connections. Our customers are dispersed over a wide geographic area in a density of just 12 people per square kilometre.

Our network also supports 11,200 medium, commercial and industrial businesses and 106,500 small businesses dominated by health care and social assistance, agriculture, forestry and fishing. These businesses generate 25 per cent of Victoria's Gross Domestic Product.

Our teams operate from 13 depots, our Bendigo-based customer contact centre and our CBD headquarters, to deliver reliable, safe and affordable electricity by operating, managing and maintaining all network assets and metering services. This means managing a network that is reliable and safe, particularly in relation to bushfire risks.