

How do EVM, GRID Modernization and GRID Hardening benefit MSMEC Customers?

Enhanced Vegetation Management, grid hardening, and grid modernization all work together to give MSMEC customers a safer, more reliable, and more affordable power supply. This not only helps reduce outages and speed up repairs but also makes the grid more efficient, supports the use of clean energy, and allows for a quicker recovery from natural disasters. Together, these improvements ensure customers benefit from a more dependable, resilient, and environmentally friendly power system.



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GRIP Wildfire Damage Mitigation Project

Powering a Sustainable Future

In an era where electric reliability is a priority



What is GRID Hardening?

Grid hardening is the process of strengthening the electric grid to make it more durable and resistant to challenges like extreme weather, wildfires, and other hazards. This includes placing some power lines underground, and installing insulated wires to prevent sparks. . MSMEC will also do more frequent powerline and equipment inspections that allows for replacement sooner with power poles, material and equipment that is more durable and advanced. With more equipment added on the line, it will isolate and disconnect problem areas more quickly. These improvements help the grid stand up to high winds, heavy snow, and wildfires, reducing the chances of equipment failures and keeping the power flowing more reliably.



What is Enhanced Vegetation Management (EVM)?

Enhanced Vegetation Management involves removing or trimming trees and vegetation that threaten power lines, particularly in high fire-risk areas. It includes creating wider clearances around electrical infrastructure, using advanced technologies like LiDAR and drones to prioritize high-risk zones. EVM also includes the expanding the removal hazardous trees that will likely fall on the powerline but are outside the easement. This reduces damage to the powerlines and prevents powerlines from starting wildfires. MSMEC will also collaborate with certified arborists and environmental experts to ensure practices are effective, sustainable, and environmentally responsible.



What is GRID Modernization?

Grid modernization is the process of upgrading the electric grid by adding advanced technologies, smart infrastructure, and digital tools to make the power system more flexible, efficient, and reliable. MSMEC will also add smart switches and automatic devices that quickly detect and isolate problems. Modernization also makes it easier to use clean energy sources like solar and wind, while adding energy storage and microgrids to provide backup power when needed. With these updates, MSMEC can monitor power flow, spot issues faster, and respond more quickly to outages, helping to create a more resilient and sustainable power system.