

MT. CHARLESTON SYSTEMS UPGRADE PLAN



This is what **we do**
NV Energy



FOUR PHASE PLAN

PHASE 1	PHASE 2	PHASE 3	PHASE 4
Develop and install a clean energy microgrid for Mt. Charleston	Upgrade the Kyle Canyon 1201 line to wildfire ruggedized standards for safer and more reliable energy.	Upgrade the Kyle Canyon substation and Angel Peak 3402 lines to wildfire ruggedized standards to withstand extreme weather.	Upgrade one mile of the Canyon 3401 line to wildfire ruggedization standards.

GOAL:

NV Energy is dedicated to ensuring that all our customers have safe and reliable energy. Due to the rising risks of wildfires and extreme weather, we have been upgrading our system to handle these challenges. Recently, we proposed a four-phase plan to the Public Utilities Commission of Nevada (PUCN) to improve the Mt. Charleston grid, making power in your community safer and more reliable.

- PHASE 1:** In phase one, NV Energy will create a permanent clean energy microgrid for the Kyle Canyon community. This microgrid will be activated during fire season and will operate independently from Angel Peak. By replacing the current diesel-powered microgrid, this new system will improve reliability and reduce environmental impacts during Angel Peak PSOM events.
- PHASE 2:** After the microgrid is established, NV Energy will upgrade the Kyle Canyon 1201 line to wildfire ruggedization standards. This will reduce fire risk and enhance safety for Kyle Canyon residents. The upgrades will include covered conductor lines and ductile iron poles where possible, and fire-wrapped wood poles in harder-to-reach areas.
- PHASE 3:** In phase three, NV Energy will upgrade the Kyle Canyon substation and the Angel Peak 3402 lines to meet wildfire ruggedization standards. This will involve making civil site improvements to the substation and rebuilding the Angel Peak 3402 line with covered conductor lines and ductile iron poles where possible, and fire-wrapped wood poles in less accessible areas.
- PHASE 4:** In the final phase, NV Energy will rebuild one mile of the Canyon 3401 line to wildfire ruggedization standards. The upgrades will include covered conductor lines and ductile iron poles where possible, and fire-wrapped wood poles in harder-to-reach areas.

BENEFITS:

The planned upgrades on Mt. Charleston will significantly reduce wildfire risk and decrease the chances of PSOM events, all at a lower cost. By combining a permanent clean energy microgrid with ruggedized overhead lines, customers will save about \$21 million compared to selective undergrounding solutions. This approach also provides comprehensive risk reduction and improved reliability.

HOW YOU CAN SUPPORT:

NV Energy has proposed these upgrades to the Public Utilities Commission of Nevada (PUCN) as part of the Natural Disaster Protection Program First Amendment. The PUCN will review the proposal and allow for public comments, both in support and opposition.

If you want to see the risk of reduced wildfire and fewer PSOM events in your community, please consider attending the consumer session set by the PUCN to voice your support. Learn more about consumer sessions on the PUCN website: https://puc.nv.gov/Consumers/Be_Heard/Consumer_Sessions

