

MREDI Aggregated Business Case

The "Mobile Radio Essential Data Infrastructure" (MREDI) project is a large-scale initiative to replace an outdated radio communication system crucial for field, communication, and dispatch personnel. The new system will provide reliable communication, particularly during emergencies when other methods may fail, by upgrading to a modern VHF system and replacing all associated radio equipment. This modernization also includes upgrading the telecommunications infrastructure to support the increased capacity required by the new radio technology.

The overall project comprises seven distinct components:

- **VHF Replacement P01237:** This is the original and largest part of the project, focusing on replacing the 40-year-old VHF communication infrastructure with a modern system and updating all mobile and handheld radios for compatibility.
- **Montana Backhaul P06328:** This project aims to replace an existing radio site in Montana with two new locations to improve VHF coverage and provide a more resilient, high-speed telecommunications system.
- **Montana South Region Infrastructure P06519:** This project addresses the need for increased bandwidth in South-Central Montana by upgrading to microwave transmission for backhaul radio systems.
- **Coastal Oregon Infrastructure P07060:** This project focuses on upgrading the radio infrastructure in Coastal Oregon. It involves replacing an old radio site building, co-locating with a US Forest Service facility, and installing new backhaul to support the updated VHF system.
- **PSC VHF Sustain Work P07063:** This project involves replacing or updating identified equipment that is over 10 years old associated with the MREDI replacement program.
- **Access Road VHF Sustain Work P07066:** This project is dedicated to evaluating and maintaining access roads to radio sites to ensure they remain accessible for personnel and equipment.
- **Idaho Backhaul Infrastructure P06329:** This project aims to replace an unsuitable radio site in South-central Idaho and provide a resilient, high-speed telecommunications system to support important transmission assets and infrastructure in that area.