

McNary 230 kV Section Bay Addition L0481

This project seeks to upgrade the DC system, governor oil pump system and low voltage switchgear at Lower Granite Dam.

The assets being replaced have significantly exceeded their useful service lives. Replacement timing is aligned with the asset plan recommended dates. In limited instances, assets are being replaced one or two years earlier than recommended because they are integral to the subsystems being upgraded. Delayed replacement of those assets would complicate the integration of new equipment and lead to additional costs for construction and additional outages.

The station service DC systems, governor oil pump system, and low voltage switchgear are original equipment and have been in service for over 43 years. These assets perform a variety of functions:

- The DC assets are part of the DC and Preferred AC System which supplies power for critical plant and life safety loads including protective devices for generators and transformers, breaker controls, etc.
- The governor oil pump system is part of the governor system that controls generating unit speed and load.
- The low voltage switchgear provides power to the electrical distribution systems which power station air compressors, lighting, heat pumps, drainage pumps, bridge cranes, etc.