

monitor the data feeds from the radar, video tracker and radio telemetry feeds in real time to monitor eagle activity.

Electrical Collection System

The proposed OWEF would include the construction of up to twenty-three 34.5-kV circuits connecting into a 500-kV transformer and substation currently proposed to be located at the central part of the proposed OWEF site adjacent to the approved SDG&E Sunrise Powerlink (SPL) 500-kV transmission line (Figure 2.1-2). The interior collection lines connecting one turbine to the next and to the proposed OWEF substation would be buried underground and generally adjacent to the interior maintenance roads. The burial depth of the proposed underground 34.5-kV collector circuits is four feet. Above-ground components to the electric system would include pad-mounted transformers with oil containment protection alongside each turbine, the fenced main substation/utility switchyard, and the overhead transmission line connecting the utility switchyard to the new 500-kV transmission line. Approximately 83 miles of fiber optic cables would be placed underground in trenches either adjacent to access roads or, in some cases, running across country within the ROW.

Vaults and splice boxes would be placed underground at locations as needed. Several below-ground junction boxes would be used in various locations adjacent to site access roads.