

LIST OF FIGURES

	PAGE
Figure ES-1 General Layout of Proposed Action and Alternatives	ES-3
Figure ES-2 Route Segment Map	ES-4
Figure 1-1 Diagram of a Typical Electrical Power System	1-2
Figure 3-1 General Layout of Proposed Action and Alternatives	3-3
Figure 3-2 Route Segment Map	3-4
Figure 3-3 Segments A and A₁	3-6
Figure 3-4 Segments A, A₁, B, C, F, G, and H	3-7
Figure 3-5 Segments C and D	3-8
Figure 3-6 Segments D, E, and E₁	3-9
Figure 3-7 Segments E and E₁	3-10
Figure 3-8 Pleasant Grove Cemetery, Segments A and A₁, Realignment	3-11
Figure 3-9 Double-Circuit, 230-kV Transmission Structures	3-15
Figure 3-10 Double-Circuit, 230-kV Transmission Lattice Structure	3-16
Figure 4-1 Air Basins and Districts	4-5
Figure 4-2 Floodplains	4-33
Figure 4-3 Geology	4-38
Figure 4-4 Wetland/Riparian Crossings	4-67
Figure 4-5 Wetland/Riparian Crossings	4-68
Figure 4-6 Wetland/Riparian Crossings	4-69

LIST OF TABLES

	PAGE
Table ES-1 Activities for the Proposed Action and Alternatives	ES-5
Table ES-2 Summary of New Disturbance	ES-7
Table ES-3 Comparison of Alternative Impacts	ES-8
Table ES-4 Projected Projects with Related Transmission Lines	ES-11
Table 3-1 Activities for the Proposed Action and Alternatives	3-2
Table 3-2 Summary of New Disturbance	3-5
Table 3-3 Typical Assumptions for Personnel and Equipment Required	3-12
Table 3-4 Environmental Protection Measures	3-19
Table 3-5 Comparison of Alternative Impacts	3-24
Table 4.1-1 Relevant Federal and California Ambient Air Quality Standards	4-2

Table 4.1-2 SVS Emission Thresholds of Significance	4-3
Table 4.1-3 Proposed Action Emission Significance Determination	4-7
Table 4.1-4 Alternative 1 Emission Significance Determination	4-7
Table 4.1-5 Alternative 2 Emission Significance Determination	4-8
Table 4.1-6 Alternative 3 Emission Significance Determination	4-8
Table 4.4-1 Magnetic Fields from Household Appliance Surfaces	4-25
Table 4.4-2 Electric and Magnetic Fields from the Proposed Action and Alternatives	4-28
Table 4.6-1 Summary of Floodplains by Line Segment	4-32
Table 4.9-1 Compatibility of Land Use Types Within and Adjacent to the Transmission Line	
ROW	4-42
Table 4.10-1 Sound Levels for Some Typical Outdoor Noise Sources	4-46
Table 4.10-2 Sound Levels from Typical Construction Equipment	4-47
Table 4.10-3 Sound Levels from Typical Construction Activities	4-47
Table 4.11-1 Paleontological Deposits of Concern	4-49
Table 4.13-1 Soils in Sacramento County	4-54
Table 4.13-2 Soils in San Joaquin County	4-55
Table 4.15-1 Water Crossings	4-61
Table 4.16-1 Wetland Types	4-66
Table 4.16-2 Summary of Impacts by Segment on Wetlands and Waters of the United States	4-72
Table 4.16-3 Summary of Impacts by Alternative on Wetlands and Waters of the United States	4-72
Table 4.17-1 Projected Projects with Related Transmission Lines	4-75
Table 4.20-1 Irreversible and Irretrievable Commitment of Resources	4-78