

TABLE OF CONTENTS

<b><u>SECTION</u></b>	<b><u>PAGE</u></b>
<b>ACRONYMS AND ABBREVIATIONS.....</b>	<b>ACR-I</b>
<b>GLOSSARY OF TERMS.....</b>	<b>GLOSS-I</b>
<b>SUMMARY .....</b>	<b>S.0-1</b>
S.1 Project Synopsis.....	S.0-1
S.1.1 Project Description.....	S.0-1
S.1.2 Project Objectives .....	S.0-5
S.1.3 Project Location .....	S.0-6
S.1.4 Environmental Setting .....	S.0-7
S.2 Summary of Significant Effects and Mitigation Measures that Reduce or Avoid the Significant Effects.....	S.0-9
S.3 Areas of Controversy .....	S.0-71
S.4 Issues to be Resolved by the Decision-Making Body .....	S.0-72
S.5 Project Alternatives.....	S.0-73
S.5.1 Reduced Proposed Project Alternatives.....	S.0-73
S.5.2 Alternative Locations.....	S.0-76
S.5.3 No Project Alternative .....	S.0-81
S.5.4 Environmentally Superior Alternative.....	S.0-82
<b>1.0 PROJECT DESCRIPTION, LOCATION, AND ENVIRONMENTAL SETTING..</b>	<b>1.0-1</b>
1.1 Project Objectives .....	1.0-1
1.2 Project Description.....	1.0-2
1.2.1 Project’s Component Parts.....	1.0-6
1.2.2 Technical, Economic and Environmental Characteristics .....	1.0-30
1.3 Project Location .....	1.0-33
1.4 Environmental Setting .....	1.0-34
1.5 Intended Uses of the EIR .....	1.0-36
1.5.1 Project Approvals/Permits .....	1.0-37
1.5.2 Related Environmental Review and Consultation Requirements.....	1.0-38
1.6 Project Inconsistencies with Applicable Regional and General Plans.....	1.0-38
1.7 List of Past, Present, and Reasonably Anticipated Future Projects in the Project Area .....	1.0-38
1.8 Growth-Inducing Impacts .....	1.0-39

TABLE OF CONTENTS (CONTINUED)

<u>SECTION</u>	<u>PAGE</u>
<b>2.0 SIGNIFICANT ENVIRONMENTAL EFFECTS OF THE PROPOSED PROJECT .....</b>	<b>2.1-1</b>
2.1 Aesthetics .....	2.1-1
2.1.1 Existing Conditions.....	2.1-1
2.1.2 Regulatory Setting .....	2.1-20
2.1.3 Analysis of Project Effects and Determination as to Significance .....	2.1-26
2.1.4 Cumulative Impact Analysis.....	2.1-69
2.1.5 Significance of Impacts Prior to Mitigation.....	2.1-74
2.1.6 Mitigation Measures .....	2.1-74
2.1.7 Conclusion .....	2.1-76
2.2 Air Quality .....	2.2-1
2.2.1 Existing Conditions.....	2.2-1
2.2.2 Regulatory Setting .....	2.2-7
2.2.3 Analysis of Project Effects and Determination as to Significance .....	2.2-10
2.2.4 Cumulative Impact Analysis.....	2.2-57
2.2.5 Significance of Impacts Prior to Mitigation.....	2.2-62
2.2.6 Mitigation Measures .....	2.2-66
2.2.7 Conclusion .....	2.2-68
2.3 Biological Resources .....	2.3-1
2.3.1 Existing Conditions.....	2.3-1
2.3.2 Regulatory Setting .....	2.3-83
2.3.3 Analysis of Project Effects and Determination as to Significance .....	2.3-95
2.3.4 Cumulative Impact Analysis.....	2.3-162
2.3.5 Significance of Impacts Prior to Mitigation.....	2.3-172
2.3.6 Mitigation Measures .....	2.3-173
2.3.7 Conclusion .....	2.3-194
2.4 Cultural Resources .....	2.4-1
2.4.1 Existing Conditions.....	2.4-1
2.4.2 Regulatory Setting .....	2.4-5
2.4.3 Analysis of Project Effects and Determination of Significance .....	2.4-12
2.4.4 Cumulative Impact Analysis.....	2.4-25
2.4.5 Significance of Impacts Prior to Mitigation.....	2.4-28
2.4.6 Mitigation Measures .....	2.4-29
2.4.7 Conclusion .....	2.4-39

TABLE OF CONTENTS (CONTINUED)

<u>SECTION</u>	<u>PAGE</u>
2.5	Land Use and Planning ..... 2.5-1
2.5.1	Existing Conditions..... 2.5-2
2.5.2	Regulatory Setting ..... 2.5-9
2.5.3	Analysis of Project Effects and Determination as to Significance ..... 2.5-25
2.5.4	Cumulative Impact Analysis..... 2.5-44
2.5.5	Significance of Impacts Prior to Mitigation..... 2.5-45
2.5.6	Mitigation Measures ..... 2.5-45
2.5.7	Conclusion ..... 2.5-45
2.6	Noise ..... 2.6-1
2.6.1	Existing Conditions..... 2.6-1
2.6.2	Regulatory Setting ..... 2.6-7
2.6.3	Analysis of Project Effects and Determination as to Significance ..... 2.6-11
2.6.4	Cumulative Impact Analysis..... 2.6-46
2.6.5	Significance of Impacts Prior to Mitigation..... 2.6-49
2.6.6	Mitigation Measures ..... 2.6-50
2.6.7	Low Frequency Noise ..... 2.6-57
2.6.8	Conclusion ..... 2.6-58
<b>3.0</b>	<b>EFFECTS NOT FOUND TO BE SIGNIFICANT..... 3.1.1-1</b>
3.1	Effects Found Not Significant as Part of the EIR Process..... 3.1.1-1
3.1.1	Agriculture and Forestry Resources..... 3.1.1-1
3.1.2	Geology, Soils, and Seismicity ..... 3.1.2-1
3.1.3	Greenhouse Gas Emissions..... 3.1.3-1
3.1.4	Hazards And Hazardous Materials ..... 3.1.4-1
3.1.5	Hydrology and Water Quality..... 3.1.5-1
3.1.6	Paleontological Resources ..... 3.1.6-1
3.1.7	Public Services..... 3.1.7-1
3.1.8	Transportation and Traffic ..... 3.1.8-1
3.1.9	Utilities and Service Systems..... 3.1.9-1
3.2	Effects Found Not Significant During Initial Study ..... 3.2.1-1
3.2.1	Parks and Recreation..... 3.2.1-1
3.2.2	Mineral Resources ..... 3.2.2-1
3.2.3	Population and Housing..... 3.2.3-1

TABLE OF CONTENTS (CONTINUED)

<u>SECTION</u>	<u>PAGE</u>
<b>CHAPTER 4.0 PROJECT ALTERNATIVES</b> .....	<b>4.0-1</b>
4.1 Rationale for Alternatives Selection .....	4.0-1
4.2 Alternatives Considered but Rejected.....	4.0-3
4.3 Reduced Project Alternatives.....	4.0-8
4.3.1 Analysis of the Reduced Proposed Project Alternative (Alternative 1)	4.0-8
4.3.2 Analysis of the No LanEast and LanWest Alternative (Alternative 2).....	4.0-13
4.3.3 Analysis of the Reduced Proposed Project and Underground Tierra del Sol Gen-tie Alternative (Alternative 3).....	4.0-18
4.3.4 Analysis of the Reduced Tierra del Sol and Rugged Solar Farms, No LanEast and LanWest, and Underground Tierra del Sol Gen-Tie Alternative (Alternative 4).....	4.0-22
4.4 Alternative Locations.....	4.0-27
4.4.1 Analysis of Relocate Tierra del Sol to Los Robles Alternative (Alternative 5).....	4.0-27
4.4.2 Analysis of Relocate LanEast and LanWest to Los Robles Alternative (Alternative 6).....	4.0-33
4.4.3 Analysis of Relocate Tierra del Sol, LanEast, and LanWest to Los Robles Alternative (Alternative 7).....	4.0-39
4.4.4 Analysis of Relocate Tierra del Sol, LanEast, and LanWest to Los Robles and Maximize Los Robles Alternative (Alternative 8).....	4.0-45
4.5 No Project Alternative .....	4.0-52
4.5.1 Analysis of the No Project Alternative (Alternative 9) .....	4.0-52
4.6 Summary of Alternatives .....	4.0-55
4.7 Environmentally Superior Alternative .....	4.0-55
<b>5.0 REFERENCES</b> .....	<b>5.0-1</b>
<b>6.0 LIST OF EIR PREPARERS AND PERSONS AND ORGANIZATIONS CONTACTED</b> .....	<b>6.0-1</b>
6.1 EIR Preparers .....	6.0-1
6.1.1 County of San Diego.....	6.0-1
6.1.2 Dudek.....	6.0-1
6.1.3 Persons and Organizations Contacted.....	6.0-2

**TABLE OF CONTENTS (CONTINUED)**

<b><u>SECTION</u></b>	<b><u>PAGE</u></b>
<b>CHAPTER 7.0 LIST OF MITIGATION MEASURES AND ENVIRONMENTAL DESIGN CONSIDERATIONS.....</b>	<b>7.0-1</b>
7.1 Aesthetics .....	7.0-1
7.2 Air Quality .....	7.0-2
7.3 Biological Resources .....	7.0-5
7.4 Cultural Resources .....	7.0-22
7.5 Land Use and Planning .....	7.0-32
7.6 Noise .....	7.0-32
7.7 Agriculture and Forest Resources .....	7.0-38
7.8 Geology and Soils .....	7.0-38
7.9 Greenhouse Gas Emissions.....	7.0-39
7.10 Hazards and Hazardous Materials .....	7.0-39
7.11 Hydrology and Water Quality.....	7.0-40
7.12 Paleontological Resources .....	7.0-40
7.13 Public Services.....	7.0-40
7.14 Transportation and Traffic .....	7.0-41
7.15 Utilities and Service Systems.....	7.0-43
7.16 Parks and Recreation.....	7.0-43
7.17 Mineral Resources .....	7.0-43
7.18 Population and Housing.....	7.0-43

INTENTIONALLY LEFT BLANK

## APPENDICES

- 1.0-1 Notice of Preparation
- 1.0-2 Public Resources Code Section 21178-21189.3
- 2.1-1 Visual Resources Report for the Tierra del Sol Solar Farm Project
- 2.1-2 Visual Resources Technical Report for the Rugged Solar LLC Project
- 2.1-3 Boulevard Glare Study
- 2.1-4 Landscape Screen Design for the Soitec Solar Development Program EIR
- 2.2-1 Air Quality Technical Report for the Tierra del Sol Solar Farm Project
- 2.2-2 Air Quality Technical Report for the Rugged Solar Farm Project
- 2.3-1 Biological Resources Report for the Tierra del Sol Solar Farm Project
- 2.3-2 Biological Technical Report for the Rugged Solar Farm Project
- 2.3-3 Quino Checkerspot Butterfly 45-Day Summary Report for the LanEast Solar Farm Project
- 2.3-4 Biological Resources Report for the LanWest Solar Farm Project
- 2.3-5 Cumulative Impacts: Potentially Impacted Special-Status Plant Species
- 2.3-6 Evaluation of Biological Resources for the Soitec Mitigation Site Memorandum
- 2.4-1 Archaeological Survey and Evaluation for the Tierra del Sol Solar Farm Project
- 2.4-2 Archaeological Evaluation for the Rugged Solar Farm Project
- 2.4-3 Cultural Resources Survey Report for the LanEast Solar Farm Project
- 2.4-4 Cultural Resources Survey Report for the LanWest Solar Farm Project
- 2.5-1 General Plan Analysis Report for the Tierra del Sol Farm Project
- 2.5-2 General Plan Analysis Report for the Rugged Solar Farm Project
- 2.6-1 Acoustical Assessment Report for the Tierra del Sol Solar Farm Project
- 2.6-2 Acoustical Assessment Report for the Rugged Solar Farm Project
- 3.1.1-1 LARA Model Results Report
- 3.1.1-2 Agricultural Preserve Disestablishment Report
- 3.1.3-1 Greenhouse Gas Technical Report for the Tierra del Sol Solar Farm Project
- 3.1.3-2 Greenhouse Gas Technical Report for the Rugged Solar Farm Project
- 3.1.3-3 AB 900 Application for the Soitec Solar Energy Project
- 3.1.4-1a Phase I Environmental Site Assessment for the Tierra del Sol Solar Farm Project
- 3.1.4-1b Limited Phase II Environmental Site Assessment for the Tierra del Sol Solar Farm Project
- 3.1.4-1c Phase I Environmental Site Assessment Generator Tie Transmission Line for the Tierra del Sol Solar Farm Project
- 3.1.4-2 Phase I Environmental Site Assessment for the Rugged Solar Farm Project

- 3.1.4-3 Phase I Environmental Site Assessment for the LanEast Solar Farm Project
- 3.1.4-4 Phase I Environmental Site Assessment for the LanWest Solar Farm Project
- 3.1.4-5 Draft Fire Protection Plan for the Tierra del Sol Solar Farm Project
- 3.1.4-6 Draft Fire Protection Plan for the Rugged Solar Farm Project
- 3.1.4-7 Construction Fire Prevention Protection Plan Outline
- 3.1.5-1 Preliminary Hydrology and Drainage Study for the Tierra del Sol Solar Farm Project
- 3.1.5-2 Preliminary Hydrology and Drainage Study for the Rugged Solar Farm Project
- 3.1.5-3a Minor Stormwater Management Plan for the Tierra del Sol Solar Farm Project
- 3.1.5-3b Minor Stormwater Management Plan for the Tierra del Sol Solar Farm Project (Gen-Tie)
- 3.1.5-4 Minor Stormwater Management Plan for the Rugged Solar Farm Project
- 3.1.5-5 Groundwater Resources Investigation Report for the Tierra del Sol Solar Farm Project
- 3.1.5-6 Groundwater Resources Investigation Report for the Rugged Solar Farm Project
- 3.1.5-7 Groundwater Resources Investigation Report – Pine Valley Mutual Water Company for the Rugged Solar Farm Project
- 3.1.5-8 Groundwater Resources Investigation Report – Jacumba Community Services District for the Tierra del Sol Solar Farm Project and the Rugged Solar Farm Project.
- 3.1.7-1 Emergency Service Capabilities Assessment and Cumulative Impact Mitigation



TABLE OF CONTENTS (CONTINUED)

PAGE

FIGURES

1-1 Regional Location Map..... 1.0-57

1-2 Specific Location Map..... 1.0-59

1-3 Project Aerial Map..... 1.0-61

1-4 Project Environmental Setting – South of I-8..... 1.0-63

1-5a Project Environmental Setting – North of I-8..... 1.0-65

1-5b Project Environmental Setting – North of I-8..... 1.0-67

1-6 Tierra del Sol Site Plan ..... 1.0-69

1-7 Tierra del Sol – Gen-Tie Route..... 1.0-71

1-7a Tierra del Sol – Gen-Tie Route..... 1.0-73

1-7b Tierra del Sol – Gen-Tie Route ..... 1.0-75

1-7c Tierra del Sol – Gen-Tie Route..... 1.0-77

1-7d Tierra del Sol – Gen-Tie Route..... 1.0-79

1-8 Rugged Solar – Site Plan ..... 1.0-81

1-9 Tracker Schematic Drawing ..... 1.0-83

1-10 Security Fencing Exhibit..... 1.0-85

1-11 Operations and Maintenance Facility ..... 1.0-87

1-12 Cumulative Projects Map..... 1.0-89

2.1-1 Project Viewshed Map..... 2.1-89

2.1-2 Key View Location Map..... 2.1-91

2.1-3 Key View 1–Existing and Proposed Conditions..... 2.1-93

2.1-4 Key View 2–Existing and Proposed Conditions..... 2.1-95

2.1-5 Key View 3–Existing and Proposed Conditions..... 2.1-97

2.1-6 Key View 4–Existing and Proposed Conditions..... 2.1-99

2.1-7 Key View 5–Existing and Proposed Conditions..... 2.1-101

2.1-8 Key View 6–Existing and Proposed Conditions..... 2.1-103

2.1-9 Key View 7–Existing and Proposed Conditions..... 2.1-105

2.1-10 Key View 8–Existing and Proposed Conditions..... 2.1-107

2.1-11 Key View 9–Existing and Proposed Conditions..... 2.1-109

2.1-12 Key View 10–Existing and Proposed Conditions..... 2.1-111

2.1-13 Key View 11–Existing and Proposed Conditions..... 2.1-113

2.1-14 Key View 12–Existing and Proposed Conditions..... 2.1-115

**TABLE OF CONTENTS (CONTINUED)**

	<b><u>PAGE</u></b>
2.1-15 Key View 13–Existing and Proposed Conditions.....	2.1-117
2.1-16 Key View 14–Existing and Proposed Conditions.....	2.1-119
2.3-1a Tierra del Sol Solar Farm Vegetation Map.....	2.3-235
2.3-1b Biological Resources - Tierra del Sol Gen-Tie Vegetation Communities.....	2.3-237
2.3-1c Biological Resources - Tierra del Sol Gen-Tie Vegetation Communities.....	2.3-239
2.3-1d Biological Resources - Tierra del Sol Gen-Tie Vegetation Communities.....	2.3-241
2.3-2 Rugged Solar Vegetation Map.....	2.3-243
2.3-3 LanWest Solar Vegetation Map.....	2.3-245
2.3-4 LanEast Solar Vegetation Map.....	2.3-247
2.3-5 Hydrologic Setting Map.....	2.3-249
2.3-6 Regional Context Map.....	2.3-251
2.3-7 Tierra del Sol Rare Plant Observations Map.....	2.3-253
2.3-8 Tierra del Sol USFWS Critical Habitats Map.....	2.3-255
2.3-9 Tierra del Sol Special Status Wildlife Observations Map.....	2.3-257
2.3-10 Tierra del Sol Wildlife Corridors and Habitat Linkages Map.....	2.3-259
2.3-11 Rugged Solar Rare Plant Observations Map.....	2.3-261
2.3-12 Rugged Solar USFWS Critical Habitat Map.....	2.3-263
2.3-13 Rugged Solar Wildlife Observations Map.....	2.3-265
2.3-14 Rugged Solar Jurisdictional Delineation and RPO Lands Map.....	2.3-267
2.3-15 Rugged Solar Wildlife Corridors and Habitat Linkages Map.....	2.3-269
2.3-16 LanWest Solar Rare Plant Observations Map.....	2.3-271
2.3-17 LanWest Solar Wildlife Observations Map.....	2.3-273
2.3-18 LanWest Solar Jurisdictional Delineation and RPO Lands Map.....	2.3-275
2.3-19 LanEast/LanWest Solar Wildlife Corridors and Habitat Linkages Map.....	2.3-277
2.3-20 LanEast Solar USFWS Critical Habitat Map.....	2.3-279
2.3-21 Tierra del Sol Solar Special-Status Plant Observations Impacts Map.....	2.3-281
2.3-22 Tierra del Sol Solar Special-Status Wildlife Observations Impacts Map.....	2.3-283
2.3-23 Rugged Solar Farm Special-Status Plant Observations Impacts Map.....	2.3-285
2.3-24 Rugged Solar Farm Special-Status Wildlife Observations Impacts Map.....	2.3-287
2.3-25a Tierra del Sol Solar Vegetation Impacts Map.....	2.3-289
2.3-25b Biological Resources - Tierra del Sol Gen-Tie Vegetation Communities.....	2.3-291
2.3-25c Biological Resources - Tierra del Sol Gen-Tie Vegetation Communities.....	2.3-293
2.3-25d Biological Resources - Tierra del Sol Gen-Tie Vegetation Communities.....	2.3-295
2.3-26 Rugged Solar Vegetation Impacts Map.....	2.3-297
2.3-27 Biological Cumulative Analysis Study Area.....	2.3-299

TABLE OF CONTENTS (CONTINUED)

	<u>PAGE</u>
2.3-28 Biological Cumulative Study Area Vegetation.....	2.3-301
2.5-1 Existing Land Uses .....	2.5-57
2.5-2 General Plan Land Use Designation Map.....	2.5-59
2.5-3 Project Zoning Map .....	2.5-61
2.5-4 Tierra del Sol Solar Sensitive Land Uses Within 1,000 feet .....	2.5-63
2.5-5 Rugged Solar Sensitive Land Uses Within 1,000 feet.....	2.5-65
2.5-6 LanEast Solar Sensitive Land Uses Within 1,000 feet .....	2.5-67
2.5-7 LanWest Solar Sensitive Land Uses Within 1,000 feet.....	2.5-69
2.6-1 Tierra del Sol Solar Farm Site - Noise Sensitive Receptors and Noise Measurement Locations .....	2.6-69
2.6-2a Gen-Tie Alignment Map.....	2.6-71
2.6-2b Gen-Tie Alignment Map.....	2.6-73
2.6-3 Rugged Solar Farm Site - Noise Sensitive Receptors and Noise Measurement Locations .....	2.6-75
2.6-4 LanEast and LanWest Project Sites - Potential Sensitive Receptors.....	2.6-77
3.1.1-1 Tierra del Sol Solar Farm - County Zoning.....	3.1.1-35
3.1.1-2 Tierra del Sol Solar - Williamson Act .....	3.1.1-37
3.1.1-3 Tierra del Sol Solar - Farmland Mapping and Monitoring Program (FMMP) Lands.....	3.1.1-39
3.1.1-4 Rugged Solar - County Zoning .....	3.1.1-41
3.1.1-5 Rugged Solar - Williamson Act.....	3.1.1-43
3.1.1-6 Rugged Solar - Farmland Mapping and Monitoring Program (FMMP) Lands....	3.1.1-45
3.1.1-7 Lan East/Lan West - County Zoning .....	3.1.1-47
3.1.1-8 LanEast/LanWest - Williamson Act .....	3.1.1-49
3.1.1-9 LanEast/LanWest - Farmland Mapping and Monitoring Program (FMMP) Lands	3.1.1-51
3.1.1-10 Cumulative Projects - Farmland Mapping and Monitoring Program (FMMP) Lands.....	3.1.1-53
3.1.1-11 Cumulative Projects - Williamson Act .....	3.1.1-55
3.1.1-12 Cumulative Projects - County Zoning .....	3.1.1-57
3.1.2-1 Regional Geologic Map .....	3.1.2-33
3.1.2-2 Soils Map .....	3.1.2-35
3.1.4-1 Tierra del Sol Solar Farm Site .....	3.1.4-9
3.1.4-2 Tierra del Sol Gen-Tie Line.....	3.1.4-11
3.1.4-3 Rugged Solar Farm Site .....	13
3.1.4-4 LanEast and LanWest Sites .....	3.1.4-17

**TABLE OF CONTENTS (CONTINUED)**

	<b><u>PAGE</u></b>
3.1.5-1 Regional Hydrology.....	3.1.5-63
3.1.7-1 Public Services in the Project Vicinity .....	3.1.7-33
3.2.1-1 Park and Recreational Resources.....	3.2.1-15
4-1 Tierra Del Sol Reduced Project Alternative .....	4.0-65
4-2 Rugged Solar Reduced Project Alternative .....	4.0-67
4-3 Los Robles Alternative Project Site.....	4.0-69

The maps (figures) contained in this document are covered by the following disclaimer:

*This map is provided without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.*

*Copyright SanGIS. All Rights Reserved. This product may contain information from SANDAG Regional Information System which cannot be reproduced without the written permission of SANDAG. This product may contain information which has been reproduced with permission granted by Thomas Brothers Maps.*

## TABLE OF CONTENTS (CONTINUED)

### PAGE

### TABLES

S-1	Overview of the Proposed Project .....	S.1-2
S-2	Summary of Significant Effects.....	S.1-9
S-3	Summary of Analysis for Alternatives to the Proposed Project .....	S.1-83
1-1	Overview of the Proposed Project .....	1.0-2
1-2	Inverter Stations .....	1.0-40
1-3	Construction Employees by Project.....	1.0-40
1-4	Construction Equipment Associated with Solar Project Development .....	1.0-40
1-5	Full-Time Employees By Project.....	1.0-41
1-6	Construction Water Demand By Project.....	1.0-41
1-7	Total Estimated Water Use for Operation of Solar Projects .....	1.0-42
1-8	Tierra del Sol Construction Schedule .....	1.0-43
1-9	Rugged Construction Schedule.....	1.0-43
1-10	Summary of Project Design Features .....	1.0-44
1-11	Approvals/Permits Expected to be Obtained .....	1.0-48
1-12	Cumulative Projects List.....	1.0-49
2.1-1	Summary of Viewer Exposure – Tierra del Sol Solar Farm.....	2.1-80
2.1-2	Summary of Viewer Exposure – Tierra del Sol Gen-Tie Line .....	2.1-80
2.1-3	Summary of Viewer Exposure – Rugged Solar Farm .....	2.1-80
2.1-4	Location and Characteristics of Selected Key Views – Tierra del Sol Solar Farm .....	2.1-81
2.1-5	Location and Characteristics of Selected Key Views – Rugged Solar Farm Project ....	2.1-82
2.1-6	Identified Residences within 1 Mile of Solar Equipment – Tierra del Sol.....	2.1-82
2.1-7	Maximum Anticipated Glare by Season – Tierra del Sol (Residences) .....	2.1-82
2.1-8	Maximum Anticipated Glare by Season – Tierra del Sol (Motorists).....	2.1-83
2.1-9	Identified Residences within 1 Mile of Solar Equipment – Rugged .....	2.1-84
2.1-10	Maximum Anticipated Glare by Season – Rugged.....	2.1-84
2.1-11	Maximum Anticipated Glare by Season – Rugged (Motorists).....	2.1-84
2.1-12	Identified Residences within One-Mile of Solar Equipment – LanWest/LanEast ..	2.1-85
2.1-13	Maximum Anticipated Glare by Season –LanWest/LanEast .....	2.1-86
2.1-14	Maximum Anticipated Glare by Season – LanWest/LanEast (Motorists) .....	2.1-87
2.2-1	SDAB Attainment Classification.....	2.2-72
2.2-2	Ambient Air Quality Data (ppm unless otherwise indicated).....	2.2-72
2.2-3	Frequency of Air Quality Standard Violations .....	2.2-73
2.2-4	Ambient Air Quality Standards .....	2.2-73

**TABLE OF CONTENTS (CONTINUED)**

	<u>PAGE</u>
2.2-5	SDAPCD Air Quality Significance Thresholds..... 2.2-75
2.2-6	Tierra del Sol Construction Schedule ..... 2.2-76
2.2-7	Tierra del Sol – Estimated Daily Maximum Construction Emissions (pounds per day).... 2.2-76
2.2-8	Tierra del Sol – Estimated Daily Maximum Operational Emissions (pounds per day).... 2.2-77
2.2-9	Rugged Construction Schedule..... 2.2-77
2.2-10	Rugged – Estimated Daily Maximum Construction Emissions (pounds per day) .. 2.2-78
2.2-11	Rugged – Estimated Daily Maximum Operational Emissions (pounds per day) .... 2.2-78
2.2-12	Proposed Project – Maximum Estimated Daily Construction Emissions..... 2.2-79
2.2-13	Tierra del Sol – Estimated Daily Maximum Construction Emissions (pounds per day).. 2.2-79
2.2-14	Rugged – Estimated Daily Maximum Construction Emissions (pounds per day)..... 2.2-80
2.2-15	Proposed Project – Estimated Daily Operations and Maintenance Emissions ..... 2.2-81
2.2-16	Tierra del Sol – Summary of Maximum Modeled Cancer Risks..... 2.2-81
2.2-17	Tierra del Sol – Summary of Maximum Chronic Hazard Index ..... 2.2-82
2.2-18	Rugged – Summary of Maximum Modeled Cancer Risks ..... 2.2-82
2.2-19	Rugged - Summary of Maximum Chronic Hazard Index..... 2.2-82
2.2-20	Summary of Average DPM Concentrations Concrete Batch Plant Generators..... 2.2-82
2.2-21	Summary of Maximum Modeled Cancer Risks Concrete Batch Plant Generators..... 2.2-82
2.2-22	Summary of Maximum Chronic Hazard Index Concrete Batch Plant Generators..... 2.2-82
2.3-1	Vegetation Communities and Land Cover Types..... 2.3-195
2.3-2	Tierra del Sol Solar Farm Site Data Station Point Summary..... 2.3-197
2.3-3	Tierra del Sol Gen-Tie Alignment Site Data Station Point Summary ..... 2.3-198
2.3-4	Proposed Rugged Off-Site Access Roads Vegetation Communities and Land Cover Types ..... 2.3-198
2.3-5	Rugged Jurisdictional Delineation Summary ..... 2.3-199
2.3-6	LanWest Jurisdictional Delineation Summary ..... 2.3-199
2.3-7	Summary of Direct Impacts to County List A and B Species – Tierra del Sol Project ..... 2.3-200
2.3-8	Impacts to Suitable Habitat for Group I and/or SSC Wildlife Species – Tierra del Sol Solar Farm..... 2.3-200
2.3-9	Summary of Direct Impacts to County List A and B Species – Rugged Solar Farm ..... 2.3-200
2.3-10	Impacts to Suitable Habitat for Group I and/or SSC Wildlife Species – Rugged Solar Farm ..... 2.3-201
2.3-11	Summary of Direct Impacts to County List C and D Plant Species – Rugged Solar Farm ..... 2.3-202

TABLE OF CONTENTS (CONTINUED)

	<u>PAGE</u>
2.3-12	Tierra del Sol Impacts - Vegetation Communities ..... 2.3-203
2.3-13	Rugged Impacts – Vegetation Communities ..... 2.3-204
2.3-14	Rugged Impacts – Proposed Northern Off-Site Access Road ..... 2.3-205
2.3-15	ECMSCP Planning Agreement Conservation Objectives ..... 2.3-205
2.3-16	Cumulative Projects List within the Biological Cumulative Analysis Study Area .... 2.3-206
2.3-17	Cumulative Impacts – Vegetation Communities ..... 2.3-207
2.3-18	Summary of Mitigation for Vegetation Communities and Jurisdictional Areas ..... 2.3-208
2.3-19	Summary of Significant Impacts – Tierra del Sol ..... 2.3-211
2.3-20	Summary of Significant Impacts – Rugged ..... 2.3-216
2.3-21	Summary of Significant Impacts – LanEast ..... 2.3-223
2.3-22	Summary of Significant Impacts – LanWest ..... 2.3-229
2.4-1	Archaeological Site Management Recommendations ..... 2.4-40
2.5-1	General Plan Land Use Designations Applicable to the Proposed Project..... 2.5-46
2.5-2	Zoning Designations Applicable to the Proposed Project ..... 2.5-46
2.5-3	County Board of Supervisors Consistency Analysis ..... 2.5-47
2.5-4	Land Development Ordinances Consistency Analysis ..... 2.5-52
2.6-1	Typical Sound Levels Measured in the Environment and Industry..... 2.6-61
2.6-2	Measured Noise Level ..... 2.6-61
2.6-3	Information Regarding Properties Along Gen-Tie Route..... 2.6-62
2.6-4	Noise Measurement Data..... 2.6-62
2.6-5	San Diego County Noise Ordinance Sound Level Limits ..... 2.6-63
2.6-6	Maximum Sound Level (Impulsive) Measured ..... 2.6-64
2.6-7	San Diego County Land Use Compatibility Guidelines ..... 2.6-64
2.6-8	Guidelines for Determining the Significance of Groundborne Vibration and Groundborne Noise Impacts ..... 2.6-65
2.6-9	Operational Noise Levels at Tierra del Sol Property Lines with Proposed Project. 2.6-65
2.6-10	Panel Washing Noise Level at Adjacent Property Lines With Implementation of PDF-N-TDS-1 ..... 2.6-66
2.6-11	Operational Noise at Rugged Solar Farm Property Boundaries with Proposed Project ..... 2.6-66
2.6-12	Panel Washing Noise Level at Adjacent Property Lines Based on All Design Features..... 2.6-67
2.6-13	Construction Equipment Noise Emission Levels ..... 2.6-67
2.6-14	Typical Construction Equipment Vibration Levels ..... 2.6-68
2.6-15	Noise Levels at Tierra del Sol Solar Farm Property Lines With Mitigation

**TABLE OF CONTENTS (CONTINUED)**

	<b><u>PAGE</u></b>
(M-N-TDS-1).....	2.6-68
2.6-16 Noise Levels at Rugged Solar Farm Property Lines With Mitigation (M-N-R-1) ..	2.6-68
3.1.1-1 Interpretation of LARA Model Results .....	3.1.1-33
3.1.2-1 Soil Units within the Project Sites .....	3.1.2-30
3.1.3-1 GHG Sources in California.....	3.1.3-42
3.1.3-2 GHG Sources in San Diego County.....	3.1.3-42
3.1.3-3 Project Size Thresholds.....	3.1.3-42
3.1.3-4 Screening Criteria .....	3.1.3-43
3.1.3-5 Tierra del Sol – Estimated Construction GHG Emissions.....	3.1.3-43
3.1.3-6 Tierra del Sol – Estimated Operational GHG Emissions.....	3.1.3-44
3.1.3-7 Rugged – Estimated Construction GHG Emissions .....	3.1.3-44
3.1.3-8 Rugged – Estimated Operational GHG Emissions .....	3.1.3-44
3.1.3-9 Proposed Project (Tierra Del Sol and Rugged Sites) – Estimated Construction GHG Emissions.....	3.1.3-45
3.1.3-10 Proposed Project (Tierra Del Sol and Rugged Sites) – Estimated Operational GHG Emissions.....	3.1.3-45
3.1.5-1 Beneficial Uses of Waters Within the Study Area.....	3.1.5-60
3.1.5-2 Definitions of Beneficial Uses of Surface Waters .....	3.1.5-60
3.1.5-3 Selected Water Quality Objectives .....	3.1.5-61
3.1.5-4 Pre- and Post-Project Peak Flow Summary (Tierra del Sol Site) .....	3.1.5-62
3.1.5-5 Pre- and Post-Project Peak Flow Summary (Rugged Site).....	3.1.5-62
3.1.7-1 Primary Study Area Fire Resources.....	3.1.7-30
3.1.7-2 Current Call Volumes for Boulevard Area Fire Stations.....	3.1.7-30
3.1.7-3 Area Schools .....	3.1.7-31
3.1.8-1 Roadways within the Proposed Project Area Vicinity.....	3.1.8-38
3.1.8-2 San Diego County Criteria to Prepare a Traffic Impact Study .....	3.1.8-39
3.1.8-3 Measure of Significant Project Impacts to Congestion of Road Segments: Allowable Increases on Congested Road Segments (Threshold Matrix I).....	3.1.8-39
3.1.8-4 Tierra del Sol Solar Farm Construction Access Route Roadways and Level of Service Thresholds.....	3.1.8-40
3.1.8-5 Rugged Solar Farm Construction Access Route Roadways and Level of Service Thresholds.....	3.1.8-40
3.1.8-6 Measure of Significant Project Impacts to Congestion on Signalized and Unsignalized Intersections (Threshold Matrix 3) .....	3.1.8-41
3.1.9-1 Construction-Related Water Demands by Project .....	3.1.9-22



**TABLE OF CONTENTS (CONTINUED)**

	<b><u>PAGE</u></b>
3.2.1-1 Local and Regional Parks .....	3.2.1-12
4-1 Summary of Analysis for Alternatives to the Proposed Project .....	4.0-58
4-2 Analysis for Alternatives to the Proposed Project .....	4.0-59

INTENTIONALLY LEFT BLANK