

Iris Cluster

Aesthetics Study



Iris Cluster: NE corner, looking SW

REVISION INDEX

Page/Reason	REV	Date	PROD	CHECK	APRV
Initial Issue	0	01/10/2014	AGG	LTA	JDL
HV line addition and new photos	1	03/10/2014	AGG	LTA	JDL
Review	2	05/08/2014	AGG	LTA	JDL
New gen-tie route	3	05/29/2014	AGG	LTA	JDL
New gen-tie routes and additional eye-level photos	4	07/03/2014	AGG	LTA	JDL

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INTRODUCTION

The purpose of this report is to show the potential visual impact on the landscape due to the construction of four utility scale solar photovoltaic plants in Imperial County, California collectively known as the Iris Cluster Project.

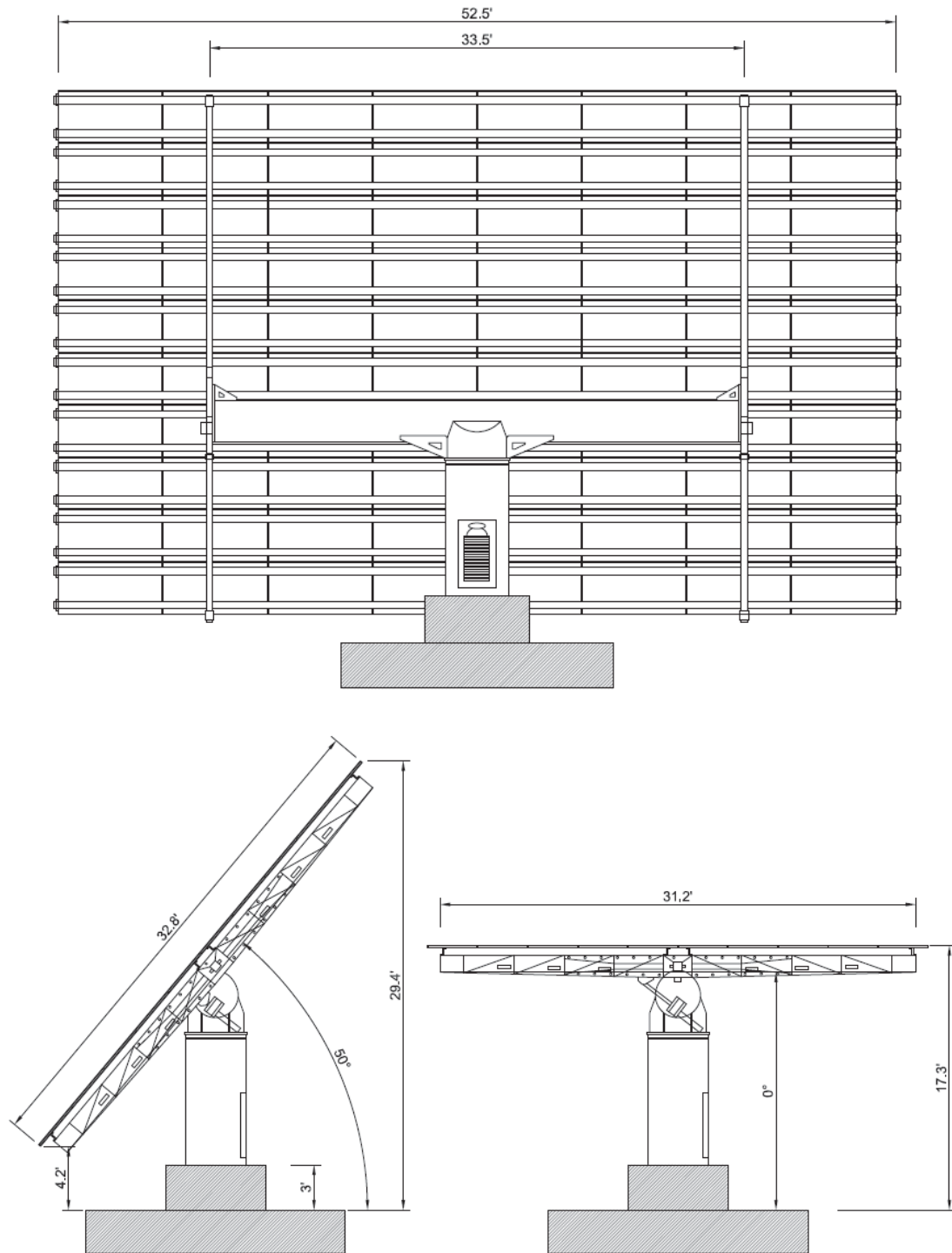
The visual impact has been evaluated by creating 3D render images. The simulated scenarios recreate the future landscape after the plants will be built.

The project consists of four sub-sites: Ferrell Solar Farm, Rockwood Solar Farm, Iris Solar Farm and Lyons Solar Farm.



Location of Iris Cluster's farms

For the simulations, 2-axis trackers blocks have been considered. Each skid inverter block would have 16 trackers connected. Each tracker would be composed of 10 rows of 8 polycrystalline modules, being approximately 52.5x32.8 feet the total dimensions.



Tracker's approximate dimensions

The distance between trackers has been optimized in order to minimize the shadings with an optimum usage of the land. According to several tracker manufacturers, a 65ft x 65ft grid has been considered as N-S distance and E-W layout grid for the trackers.

Operations and maintenance facilities, together with substation and transmission facilities have been included in each sub-site in order to show the visual impact of those permanent buildings for the project's life. Final design and location/route may be revised prior to issuance of permits.

The following images show some general views of the complete project.



Iris Cluster: Aerial view



Iris Cluster: NE corner, looking SW



Iris Cluster: SE corner, looking NW

FERRELL SOLAR FARM



Ferrell Solar Farm: SE corner of 059-050-001, looking NW



Ferrell Solar Farm: View from south side of 059-050-001, looking NW



Ferrell Solar Farm: View from Ferrel Rd (W side of 059-050-001), looking E



Ferrell Solar Farm: View from Kubler Rd (S side of 052-180-042), looking N

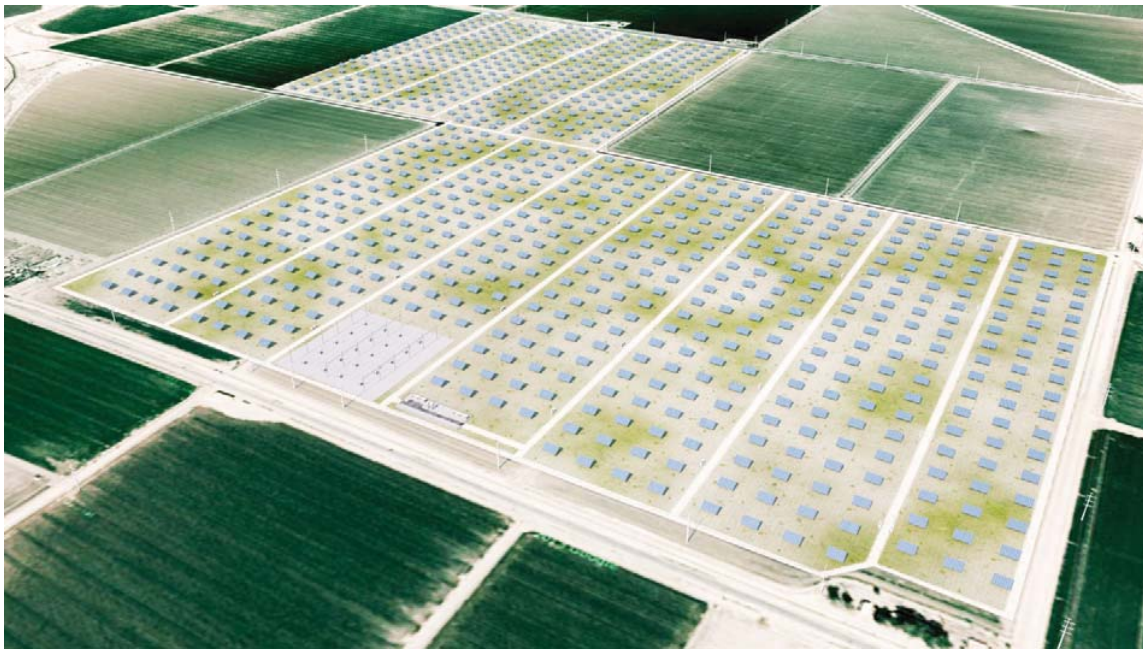


Ferrell Solar Farm: View from Kubler Rd (SW corner of 052-180-042), looking NE, before construction



Ferrell Solar Farm: View from Kubler Rd (SW corner of 052-180-042), looking NE, after construction

ROCKWOOD SOLAR FARM



Rockwood Solar Farm: SE corner of 052-180-064, looking NW



Rockwood Solar Farm: View from Kubler Rd (NW corner of 052-180-048), looking SE



Rockwood Solar Farm: View from State Route 98 (SE corner of 052-180-064), looking NW



Rockwood Solar Farm: View from State Route 98 (SW corner of 052-180-040), looking NE, before construction



Rockwood Solar Farm: View from State Route 98 (SW corner of 052-180-040), looking NE, after construction



Rockwood Solar Farm: View from Kubler Rd (NW corner of 052-180-048), looking SE, before construction



Rockwood Solar Farm: View from Kubler Rd (NW corner of 052-180-048), looking SE, after construction



Rockwood Solar Farm: View from Kubler Rd (NW corner of 052-180-048), looking SW, before construction



Rockwood Solar Farm: View from Kubler Rd (NW corner of 052-180-048), looking SW, after construction



Rockwood Solar Farm: View from State Route 98 (S side of 052-180-064), looking NW, before construction



Rockwood Solar Farm: View from State Route 98 (S side of 052-180-064), looking NW, after construction

IRIS SOLAR FARM



Iris Solar Farm: View from Ferrel Rd (NE corner of 059-120-001), looking SW



Iris Solar Farm: NW corner of 059-120-001, looking SE



Iris Solar Farm: View from State Route 98 (SE corner of 059-050-003), looking NW



Iris Solar Farm: View from the crossroads between Ferrel Rd and State Route 98 (SW corner of 059-120-001), looking NE, before construction



Iris Solar Farm: View from the crossroads between Ferrel Rd and State Route 98 (SW corner of 059-120-001), looking NE, after construction



Iris Solar Farm: View from State Route 98 (SE corner of 059-050-003), looking NW, before construction



Iris Solar Farm: View from State Route 98 (SE corner of 059-050-003), looking NW, after construction



Iris Solar Farm: View from State Route 98 (S side of 059-050-003), looking NW, before construction



Iris Solar Farm: View from State Route 98 (S side of 059-050-003), looking NW, after construction



Iris Solar Farm: View from Ferrel Rd (W side of 059-120-001), looking NW, before construction



Iris Solar Farm: View from Ferrel Rd (W side of 059-120-001), looking NW, after construction



Iris Solar Farm: View from State Route 98 (SE corner of 059-050-003), looking NW, before construction

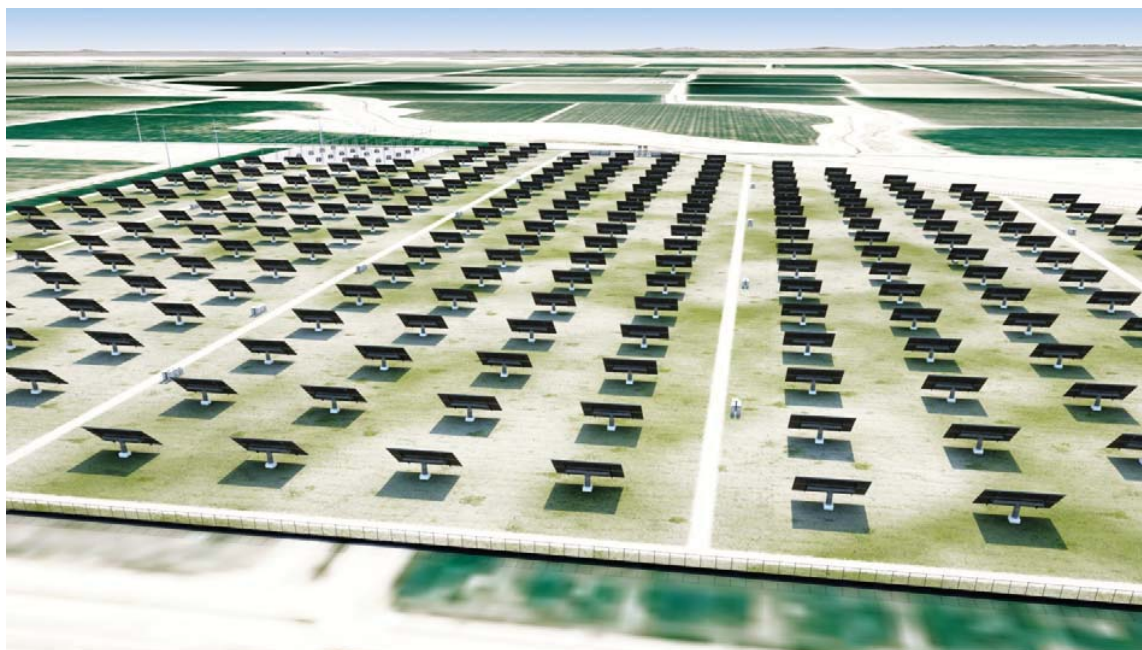


Iris Solar Farm: View from State Route 98 (SE corner of 059-050-003), looking NW, after construction

LYONS SOLAR FARM



Lyons Solar Farm: View from Kubler Rd (SW corner of 052-180-058), looking NE



Lyons Solar Farm: N side of 052-180-058, looking S



Lyons Solar Farm: View from Kubler Rd (SE corner of 052-180-058), looking NW



Lyons Solar Farm: View from Kubler Rd (SE corner of 052-180-053), looking NW, before construction



Lyons Solar Farm: View from Kubler Rd (SE corner of 052-180-053), looking NW, after construction



Lyons Solar Farm: View from Kubler Rd (SE corner of 052-180-058), looking NW, before construction



Lyons Solar Farm: View from Kubler Rd (SE corner of 052-180-058), looking NW, after construction