

RD 14-01-274
Solar Power Plants

Background Brief

Introduction

Solar Energy
Generating System

9 are operational
in Southern
California

Solar Energy
Generating System

Under construction:
Mojave Solar (CA)
Sierra Sun Tower (CA)
Antelope Valley (CA)
Ivanpah (NV)



Nevada Solar

Near Boulder City,
NV

Covers 400 Acres
Consists of 182,000
mirrors



Sierra Sun Tower

Lancaster, CA

Covers 20 Acres

“24,000 mirrors used with reflecting power of 20,000 suns”*



* source: eSolar - <http://www.esolar.com/projects/sierra-sun-tower/>

Ivanpah Solar Power Facility

Arial view of facility



Image show two sides of the tower with focused sunlight

Facility covers 3,500 acres
Over 300,000 mirrors

