



System Availability: A Must for Profitable Large-Scale Systems

Accelerated Aging Workshop II
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April 1st and 2nd, 2008

Introducing SunEdison

Founded in 2003 to:

- Make solar a meaningful worldwide energy source
- Deliver electricity at or below existing retail prices

The first provider to offer solar energy as a turnkey service

- No capital outlays
- No impact on existing services
- No ongoing customer maintenance costs

The largest solar energy service provider in North America

- 38 MW of 100% renewable electricity under management
- Predictable electricity prices for 10 to 20 years
- Complementary services to existing utility offers

A rapidly growing business

- Maryland Headquarters
- 7 offices in Spain, Canada, US (MD, CA, NJ, HI)
- 350+ employees



Our customers



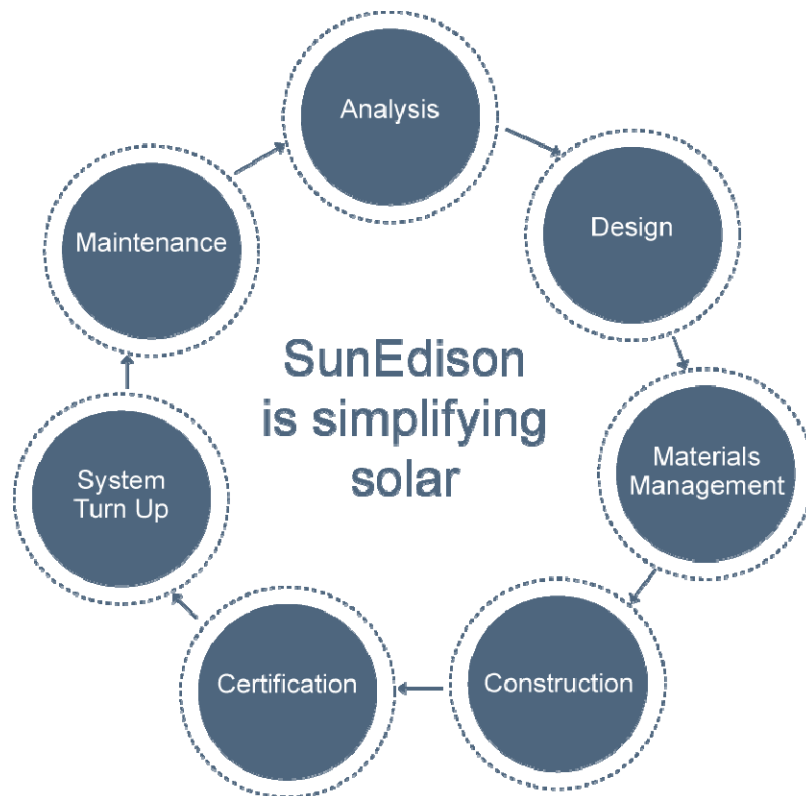
that was easy.sm



California
Department of Corrections
and Rehabilitation



SunEdison in the value chain



1. Analysis

- On-site engineering evaluation

2. Design

- Comprehensive engineering design

3. Materials Management

- Complete system provisioning

4. Construction

- Total installation management

5. Certification

- Performance validation

6. Activation

- Utility connection and commissioning

7. Monitoring and Maintenance

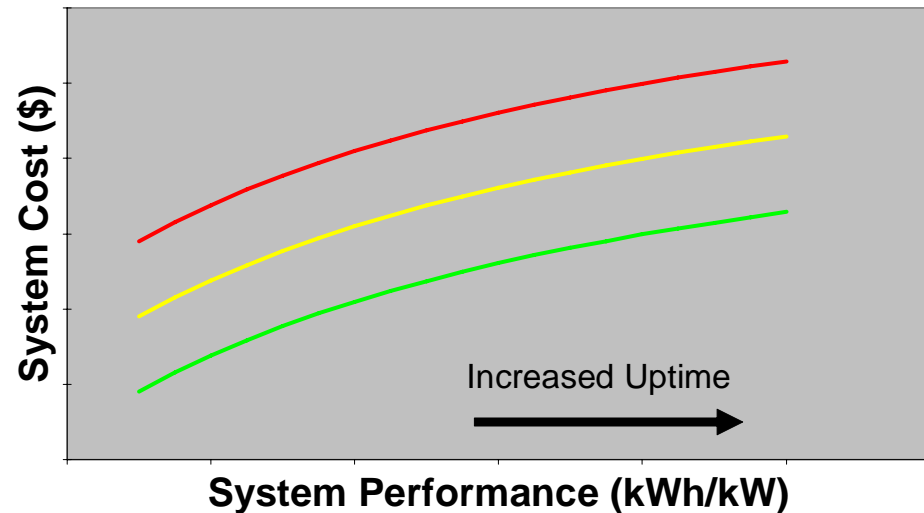
- Full service, operations and maintenance program

The economics of system uptime

SunEdison Fleet Performance Characteristics:

- 2007 fleet energy production was 102% of expected;
- 2007 fleet availability exceeded 97.5%;
- Inverter faults were the most frequently observed events;
- Grid related outages were the second most frequently observed downtime events;
- < 5% of all events caused more than 50% of lost production
- **Real time monitoring and service is essential to minimizing the impact of minor events**

Project Rate of Return



Project IRR:

- Each line represents an equivalent Project IRR
- Lower lines represent higher IRRs
- **Annual degradation rate is another major driver of IRR**

