The SES SunCatcher™ Solar Dish-Stirling System Technology is Superior in Efficiency, Reliability and Overall Performance.
SES: Commercializing The Technology

Formed 1996 in Phoenix, SES acquires dish system technology previously developed by McDonnell Douglas, Southern California Edison, the Dept. of Energy and Sandia National Laboratories

Signs Power Purchase Agreements with each of San Diego Gas & Electric (900 MW) and Southern California Edison (850 MW)

May ’08 - NTR plc (renewable energy operator and developer) completes a $100m investment in May to take a controlling interest in SES

Focus on developing and commercialising the SunCatcher™ technology for solar thermal applications

Integration well underway - headcount triples in first six months

2 x AFCs submissions (key permitting filing in CA) filed with the CEC

Dec, 09 Maricopa Site U.S. First Commercial Site goes on-line

NTR’s $150 million investment in the last 18 months has positioned the company for high rate manufacturing and large-scale system deployment
Technology

Starting Point
- 20 Year History
- Development units
  - HB, NV, SA, SNL
- Model Power Plant
  - 6 Systems
  - SES Supply Chain

Deployment

World-class leadership appointed
Design for High Volume & Low Cost
Supply Chain Development
Reliability / Performance Validation

Today
- US & International Markets
- Supply Chain—US Based with Global Reach
- Low Cost Systems
- High Volume Manufacturing

Commercialization pathway to deployment
The on-time launch of the 60 unit power plant allowed teams to
- Deploy a 1.5 MW “generator group” installation – the primary building block for a full scale plant – to act as an intermediate step before launching into High Volume Production
- Employ manufacturing, installation and commissioning processes at scale to identify gaps
- Validate O&M metrics and evaluate system performance/reliability
- Generate live power curve data to measure availability and power output

Maricopa’s success demonstrates validates: the viability of the SunCatcher’s™ technology, SES ability to successfully manufacturer large-scale projects, and Tessera Solar’s ability to build large-scale projects
## Tessera Solar SunCatcher™ Projects

### Calico Solar
- **Capacity:** 850 MW
- **20-Year Power Purchase Agreement with Southern California Edison**
- **Sited in the Mojave Desert near Barstow, CA**

### Imperial Valley Solar
- **Capacity:** 750 MW
- **20-Year Power Purchase Agreement with San Diego Gas & Electric**
- **Sited in Imperial Valley near El Centro, CA**

### Maricopa Solar
- **Capacity:** 1.5 MW
- **10-Year Agreement with Salt River Project (SRP)**
- **Located in Metro Phoenix in Peoria, AZ**
- **Began operations in January 2010**

### Western Ranch Solar
- **Capacity:** 27MW with Expansion up to 90MW
- **20-Year Power Purchase Agreement with CPS Energy**
- **Sited in West Texas near Marfa**
Key Takeaways

Building on SES and NTR’s long history developing alternative energy

Leading technology: highest efficiency; low cost; no water use for operations; and highly scalable

Leveraging the capacity and capability of supply chain partners

Explosive growth of CSP products

Well-defined commercialization plan

Utilizing $500 million of combined investments in Stirling Engines

Thank you for this opportunity