



ASI plans for 2011

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Outline

- USASEC
- Round 3
- Skills Development
- Enabling Research
 - Calls for proposals to undertake a review of CSP potential in Australia
- Solar Technical Review Service



United States Australia Solar Energy Collaboration (USASEC)

- \$50M Australian Government contribution
- High temperature receivers one of the four foundation themes
- Seeking **EOIs for *Foundation* projects by 13 May, 2011**
- Shortlist to submit detailed proposals in June
- Evaluation July/August and announcement December
- Seeking **EOIs for *Researcher Exchange Program* by 13 May**, with announcement June-September
- More information and application at www.australiansolarinstitute.com.au/funding.htm

ASI Round 3

- Up to \$15M available (at discretion of Board)
- Areas of interest
 - Storage and hybrid technologies with potential to increase commercial deployment of CSP
 - Reducing CSP field costs- investigate the opportunity for a national collaborative approach
 - Pilot demonstration of prospective CSP technologies to de-risk future MW scale demonstration
- Call for **EOIs June/July** and close July/August
- Detailed proposals called September and announcement December

ASI Skills Development program

- 2nd round of annual PhD Scholarships and Post Doctoral Research Fellowships
- Call for **applications July/August**
- Close October
- Announcement December

ASI Enabling Research Program

- Directly commissioned
- Areas of interest
 - Solar Resource Forecasting
 - Increasing Finance Sector Confidence to Invest in Solar Technologies and Projects
 - Reducing barriers to development of solar projects – eg permitting requirements
 - Market value of distributed generation
 - Market value of dispatchable solar thermal capacity
- First focus- a review of CSP potential in Australia

A Review of CSP potential in Australia

- A fact based review of CSP technology prospects
- Industry co-contribution and participation sought
- Areas of interest
 - Review of current state of play internationally and domestically
 - Current barriers to deployment of CSP on a commercial scale in Australia
 - Economic model projecting CSP LCOE trends and sensitivities linked to key R&D drivers

Call for proposals to undertake a *Review of CSP potential in Australia*

- Areas of interest (cont'd)
 - Model and discussion of the long run market value of CSP generation for the Australian electricity market
 - Assessment of market segments and pathway to CSP commercial sustainability
 - R&D pathways to lower CSP levelised cost of electricity (LCOE) and increase market value of CSP-generated electricity
 - Cost reduction drivers
 - Pathway to commercialisation and high level assessment of potential opportunity to Australia

Call for proposals to undertake a *Review of CSP potential in Australia*

- **Assessment criteria**
 - Proposal's ability to add value to the understanding of the key R&D interventions required for CSP to increase commercial deployment
 - Proposal's ability to add to the understanding of the key economic and commercial market issues that might drive increased commercial deployment of CSP
 - The diversity, experience and capability of the organisations intending to conduct and contribute to the review

Call for proposals to undertake a *Review of CSP potential in Australia*

- Assessment criteria (cont'd)
 - The extent to which the proposal will help inform RD&D policy development for CSP
 - ASI Value for money and stakeholder contributions
- Call for proposals tomorrow (April 21st)
- Submissions close May 20th
- Contract awarded June 20th

Solar Technical Review Service

- A service targeted at SMEs in Solar R&D Space
- Reasons for Service
 - Many SME applications in ASI funding rounds with few being successful
 - Difficulty in assessing technical merits of some SME applications with high costs for SME and ASI in the application process
 - SMEs may benefit from a voluntary no obligation / no commitment / no come back / no liability Technology Review to assist R&D planning process
- ASI looking at options to assess/support SMEs

Thank you