



**U.S. Department of Energy
Advanced Research Projects Agency – Energy**

**Announcement of
Teaming Partner List
for**

**Modern Electro/Thermochemical Advances in Light-metal Systems (METALS)
DE-FOA-0000882**

In March, 2013, the Advanced Research Projects Agency - Energy (ARPA-E) intends to issue a new Funding Opportunity Announcement (FOA) entitled “Modern Electro/Thermochemical Advances in Light-metal Systems” (METALS) (formerly A-TEME), DE-FOA-0000882. The objective of the METALS FOA will be to identify transformational concepts for extraction and recycling of light metals (aluminum, magnesium, and titanium). Specific areas of interest include: (1) new routes to produce primary Al, Mg, and/or Ti (powder, including Titanium Hydride powder) that incorporate one or more of the following: variable energy inputs, renewable energy inputs, high temperature heat capture, high temperature thermal storage, and utilization of domestically abundant ore; and (2) technologies that enable rapid, precision, and automated sorting of Al, Mg, and Ti alloy scrap.

ARPA-E strongly encourages outstanding scientists and engineers from different organizations, scientific disciplines, and technology sectors to form new project teams. Interdisciplinary and cross-sectoral collaboration spanning organizational boundaries enables and accelerates the achievement of scientific and technological outcomes that were previously viewed as extremely difficult, if not impossible.

ARPA-E is issuing this Announcement to facilitate the formation of new project teams. Specifically, ARPA-E intends to publish a list of potential teaming partners for the METALS FOA on ARPA-E eXCHANGE (<http://arpa-e-foa.energy.gov>), ARPA-E’s online application portal, in March, 2013.

Any organization that would like to be included in this list should complete all required fields in the following link: <https://arpa-e-foa.energy.gov/Applicantprofile.aspx>. Requested information includes: Organization Name, Contact Name, Contact Address, Contact Email, Contact Phone, Organization Type, Focus Area, and Brief Description of Capabilities. ARPA-E is particularly interested in receiving responses from organizations with expertise in Focus Areas including, but not limited to the following: metallurgy; electrochemistry; thermochemistry; chemical engineering; high temperature materials; applied physics, thermal storage; heat capture; heat exchanger design; thermal engineering; renewable energy; solar thermal engineering; metals recycling; spectroscopy; process and control; transport phenomena; materials science; and process engineering.

By submitting a response to this Announcement, you consent to the publication of the above-referenced information. The Federal Government will not pay for the provision of any information, nor will it compensate



any respondents for the development of such information. Responses submitted to other email addresses or by other means will not be reviewed or considered.

This Announcement does not constitute a FOA. No FOA exists at this time. Applicants must refer to the final FOA issued in March, 2013 for instructions on submitting an application and for the terms and conditions of funding. ARPA-E will not review or consider noncompliant and/or nonresponsive applications.