



SOUTHERN CALIFORNIA  
**EDISON**<sup>®</sup>

An *EDISON INTERNATIONAL*<sup>®</sup> Company

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# **Alternative Distributed Generation Solutions Request for Information**

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## ***Participant Instructions***

***Version 1.0  
Posted June 13, 2014***

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## **ARTICLE ONE. GENERAL INFORMATION**

### **1.01 Introduction.**

Southern California Edison (“SCE”) is issuing this Alternative Distributed Generation Solutions (“ADGS”) Request for Information (“RFI”), concurrently with its pilot 2014 Distributed Generation Solution Request for Proposal (“DGS RFP”), to solicit informational proposals (“Proposals”) from interested parties, including owners and operators of distributed generation facilities and/or load customers (collectively, “Participants”) to provide alternatives to building distribution upgrades to accommodate forecasted load growth on the system. The scope and requirements of such alternatives are more specifically described in Article Two of these ADGS RFI Participant Instructions (“RFI Instructions”).

The issuance of this ADGS RFI is an opportunity for SCE to learn about optional technologies and methodologies to ensure grid reliability associated with the utilization of Distributed Energy Resources (DER) defined in this RFI to include distributed generation, energy efficiency, energy storage, and demand response technologies. Proposals will assist SCE to better understand the feasibility and availability of alternative devices, technologies and methodologies that could help inform SCE’s evaluation of the role of distributed generation procurement and demand-side management in future distribution planning.

### **1.02 Purpose of the RFI Instructions.**

These RFI Instructions provide an overview of the processes that SCE will use to implement this RFI. These RFI Instructions also describe the procedures that each Participant must adhere to in order to participate in this ADGS RFI. Furthermore, while these RFI Instructions outline certain terms and conditions applicable to this ADGS RFI, this outline is only provided for reference purposes and is not intended to be comprehensive.

SCE retains the right, in its sole judgment, to modify these RFI Instructions as it deems necessary.

### **1.03 Communications.**

Questions relating to this RFI should be addressed to SCE via email at:

[AlternativeDistributedGenerationSolutions@SCE.com](mailto:AlternativeDistributedGenerationSolutions@SCE.com)

### **1.04 Background.**

#### **(a) Distribution Planning Process**

Each year, SCE reviews its distribution facilities through an annual planning process to ensure that the system is able to provide reliable service to all customers. SCE uses a variety of data and methods to forecast peak electrical demand, including data on circuit and substation peak loading for all of SCE’s

feeders and substations, load growth forecasts, demand-side management forecasts, and forecasted additions to the system. Using loading limits based on engineering and equipment manufacturer data, SCE then determines the impact of peak demand to its facilities and identifies those facilities where demands are projected to exceed the limits.

SCE then performs further analysis to determine potential solutions for each of the facilities projected to be overloaded. These solutions may be as simple as using switches on distribution circuits to transfer loads from one area to another, or they may be more complicated upgrades of the distribution system through capital investment projects.

(b) Requirements for Resolving Identified Distribution System Needs

SCE has identified three “reliability asset requirements” that are evaluated during SCE’s electrical distribution system planning process that must all be satisfied in order for a facility or device to provide a solution for resolving a projected distribution overload

1. the solution must satisfy the peak load at the time a projected facility overload occurs;
2. the solution must do so for the duration of the projected overload; and
3. the solution must be located so that the peak loading of the target asset will be decreased and reliability and operability of the grid is not reduced.

## **ARTICLE TWO. ALTERNATIVE DISTRIBUTED GENERATION SOLUTION REQUIREMENTS**

### **2.01 Alternative Distributed Generation Solutions.**

As part of its electrical distribution system planning process, SCE identifies distribution upgrades to accommodate forecasted load growth. SCE is seeking to obtain information on alternatives to building such distribution upgrades while continuing to assure reliability of SCE’s distribution network.

**NOTE: By submitting a Proposal, the Participant consents to the use of the Proposal and its content, or any portion or derivative thereof, including without limitation, concepts, devices, technologies, methodologies and deployment of DER, by SCE in its distribution planning and/or as a basis for future procurement, or any other related uses.**

**This is not a solicitation for SCE to purchase any product from any proposed project, and this RFI does not create an obligation by SCE to execute or amend any agreement as a result. Furthermore, SCE is not, by issuing this RFI, undertaking any obligation to issue a future ADGS request for proposals.**

## 2.02 General Requirements.

- (a) ADGS Options. SCE will consider all timely Proposals, submitted pursuant to these RFI Instructions, as follows:

### Distributed Generation Option1 (Physical Load Reduction)

SCE recognizes that other methods may exist that could provide a similar level of grid reliability (as described in 1.04 b) without the use of a utility-owned Automated Load Reduction Scheme<sup>1</sup>. As an alternative, Participants may provide one or more Proposals based upon other physical load reduction assurance options. Participant proposals for physical load reduction assurance could utilize customer-owned equipment and control schemes, devices, technologies, arrangements, and methodologies that would reduce, limit or disconnect the load as needed to assure grid reliability.

The Participant's Proposal should include an explanation of how the Proposal addresses reliability asset requirements.

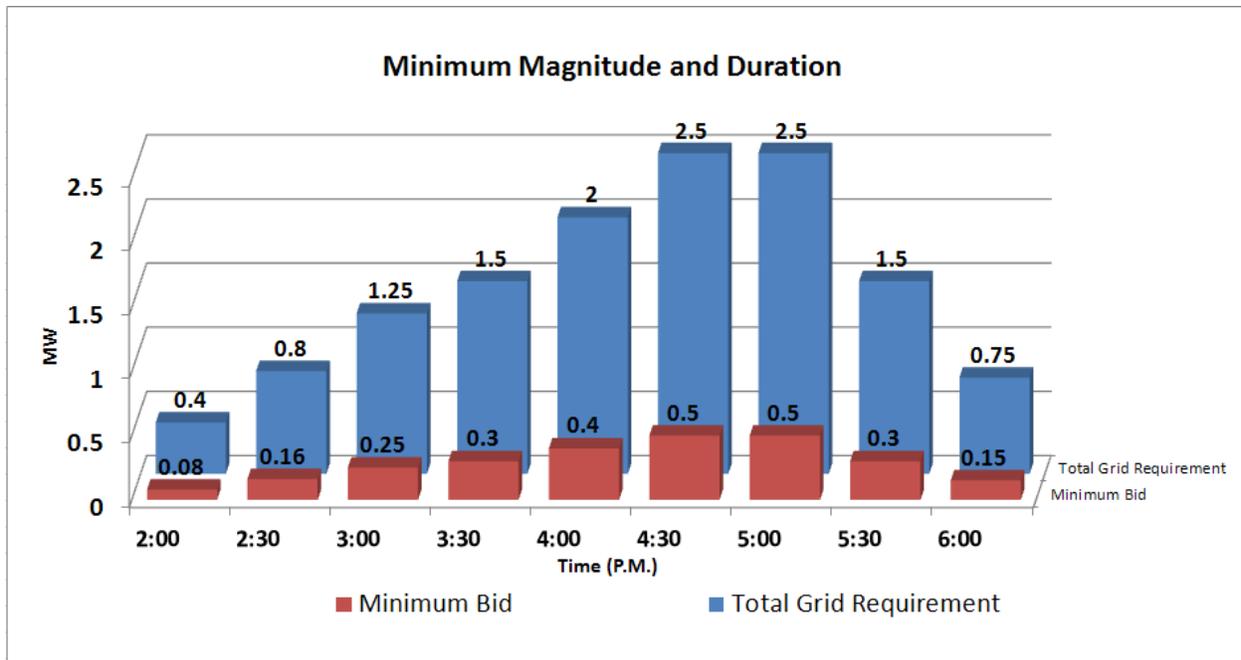
### Distributed Generation Option 2 (Distributed Generation)

Participants may provide proposals that could eliminate the need for physical load reduction assurance. This alternative could include, for example, combining multiple DERs to reach the target load reduction amount.

The graph below gives an example of one possible load offset requirements that could be satisfied by sufficient generation or load reductions, shown in 30 minute increments, required over the peak loading period of 2PM to 6PM during the summer months of June through September.

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<sup>1</sup> Also known as the ALRS under the DGS RFP, it is defined as a system of communication, relaying control, and other appurtenant equipment and software, designed to automatically disconnect the designated load from SCE's distribution system, that is owned and installed by SCE.



SCE anticipates that the minimum proposal size is 0.5MW of aggregate DER. Participants will be required to aggregate the load reductions or generation to a single point for validation, and provide the data to SCE via telemetry.

In order for Option 2 to be viable, the proposed solution must provide an equivalent amount of reliability as a traditional capital upgrade project (as described in 1.04 b). This may be achieved through diversification of DER technologies, to provide the necessary system reliability.

The Participant’s Proposal should include an explanation of how the Proposal addresses reliability asset requirements.

- (b) Load Reduction. When submitting Proposals, Participants should clearly identify which option they are responding to; identify the net load reduction technology (e.g. distributed generation, energy efficiency, energy storage and/or demand response technologies), the amount of reduction associated with each technology and provide the proposed net load reduction schedules in the same format as the table above.
- (c) Cost. Participants may (but are not required to) include cost and pricing information for consideration. For purposes of estimating costs, Participant should consider the costs to obtain all necessary permits, licenses, approvals, agreements, and financing. Such costs would not necessarily include the price for the sale of power or capacity to SCE, which could be sold separately and in addition to the charges to SCE under these proposals.

### **2.03 Participant Eligibility Requirements.**

SCE affiliates are permitted to participate in the RFI. Participants must disclose whether or not they are an SCE affiliate.

## **ARTICLE THREE. RFI SOLICITATION AND PROPOSAL E-BINDER SUBMITTAL PROCESS**

### **3.01 RFI Schedule.**

Please review the below table to ensure that all documents are submitted in a timely manner.

<i>Date</i>	<i>Event</i>
<i>Tuesday May 13, 2014</i>	SCE notifies industry of ADGS RFI pending launch.
<i>Friday June 13, 2014</i>	SCE launches ADGS RFI.
<i>Tuesday July 1, 2014</i>	SCE hosts ADGS RFI Web Conference.
<i>Friday August 15, 2014</i>	Deadline for Participant to deliver the Proposal, as set forth in Sections 3.03 and 3.04 of these ADGS RFI Instructions.
<i>Monday September 15, 2014</i>	Deadline for SCE to advise Distributed Generators on the status of their Proposals relative to SCE's short list.

### **3.02 RFI Web Conference.**

SCE will host an ADGS RFI Web Conference with potential Participants concurrently with the DGS RFP Web Conference. The purpose of this conference is to inform potential Participants of the ADGS RFI process, as well as to answer pertinent questions regarding this ADGS RFI. Details regarding the ADGS RFI Web Conference will be provided on SCE's website ([on.sce.com/dgs](http://on.sce.com/dgs)) and via email notification.

### **3.03 Participant's Proposal e-Binder.**

- (a) Participant should not provide printed copies of its Proposal(s).
- (b) Participant must submit an electronic version of the Proposal binder ("Proposal e-Binder"). One Proposal e-Binder may contain information describing the Alternative Distributed Generation Solutions, including all Participants (if the Proposal includes Option 2). Proposal e-Binder must be received by SCE by the Proposal Due Date set forth in the RFI Schedule.
- (c) Participant must mail or otherwise physically deliver to SCE one (1) USB flash drive, Compact Disc, or Digital Video Disk ("Physical Electronic Media") for each Proposal e-Binder.

- (d) Bidder must affix a label that:
  - (i) Is securely bound to the Physical Electronic Media;
  - (ii) Clearly indicates the name(s) of the Participant(s) submitting the Proposal; and
  - (iii) Identify RFI Proposal to distinguish it from the Participant's Proposal to DGS RFP (if applicable).
- (e) The contents of each Physical Electronic Media shall contain one (1) file as described in Section 3.06 below.

**3.04 Proposal e-Binder Submittal Process.**

By 5:00 PM Pacific Prevailing Time on Friday, August 15, 2014, Participant must submit to SCE a complete nonbinding Proposal consisting of the document set forth in Section 3.06 and conforming to these RFI Instructions ("Complete Proposal Submittal Package"). The Complete Proposal Submittal Package must be received via physical mail as follows:

- (a) One Complete Proposal Submittal Package will be submitted for each Proposal. A Proposal may include a single Participant or multiple Participants.
- (b) Proposal e-Binders shall be sent to:

Southern California Edison Company  
3 Innovation Way  
Pomona, CA 91768

Attention: Christopher Ohlheiser  
Transmission & Distribution

SCE is not responsible for Proposals received after the submittal deadline due to unsuccessful delivery or otherwise. SCE will only consider submissions that, as of the submittal deadline, constitute a Complete Proposal Submittal Package.

**3.05 Adobe Acrobat (\*.pdf) Files.**

As described below in Section 3.06, SCE will accept certain submissions in either MS Word (\*.doc) or Adobe Acrobat (\*.pdf) format. If Participant chooses to send those files as a PDF, they must be *searchable* files so that SCE may be able to use the Adobe search function to easily locate particular words or phrases within the respective files. Therefore, ***do not scan*** a document with a scanner device to create the PDF. Scanned files are not searchable. Instead, ensure that you have the professional version of Adobe Acrobat, and then ***print*** the file to Adobe by selecting "Adobe PDF" from your printer drop-down menu. A printed-to-Adobe PDF file is searchable.

### 3.06 Documents in the Proposal e-Binder.

The Participant Proposal e-Binder should contain the following a file for:

- (a) File #1, Proposal Letter (see Exhibit A).

Participant must compose and sign a Proposal Letter, which:

- (i) States the Participant name;
- (ii) Identifies the Option(s) in 2.02(a) that is being submitted;
- (iii) States as more specifically set forth in Exhibit A, (1) representations and warranties that Participant has full authority and right to submit a Proposal and provide the information contained therein and that such information does not infringe upon the rights of any other person; and (2) Participant's consent to use the Proposal and its content for the purposes described in the RFI Instructions;
- (iv) Identifies any special circumstances or unique considerations within the Proposal; and
- (v) Provides a full description of the Proposal.

\*\*The letter file name must be in the form “*Participant Name*\_Proposal Letter.doc (or searchable \*.pdf)”.

### 3.07 Proposal e-Binder File Updates.

- (a) If Participant should need to send one or more updates to any of the above files:
  - (i) The respective file name(s) for such update(s) must be written to logically communicate to SCE:
    - (1) the version number (e.g., v2) of the update file, and
    - (2) the file being replaced.
- (b) Participant must email all update files to:
  - (i) SCE at [AlternativeDistributedGenerationSolutions@SCE.com](mailto:AlternativeDistributedGenerationSolutions@SCE.com)

## **ARTICLE FOUR. WAIVERS AND RESERVATION OF RIGHTS**

### **4.01 Changes or Termination of ADGS RFI.**

SCE reserves the right at any time to modify any dates specified in this ADGS RFI or abandon this ADGS RFI without notice, without assigning any reasons, and without liability of Edison International, SCE or any of their subsidiaries, affiliates or representatives to any Participant.

In the event that SCE terminates this ADGS RFI, Participant shall be solely responsible for any expenses incurred by Participant as a result of this ADGS RFI.

### **4.02 Waived Claims.**

By submitting a Proposal, Participant knowingly, voluntarily, and completely waives any rights under statute, regulation, state or federal constitution or common law to assert any claim, complaint or other challenge in any regulatory, judicial or other forum, including without limitation, the CPUC (except as expressly provided below), the FERC, the Superior Court of the State of California (“State Court”) or any United States District Court (“Federal Court”) concerning or related in any way to the RFI, the content, ideas, technologies and concepts in the Proposal, or these RFI Instructions, including all exhibits, attachments, and appendices thereto (“Waived Claims”). Participant agrees to indemnify, defend and hold harmless SCE from any and all claims by any other participant asserted in response to the assertion of any Waived Claim by Participant.

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\*\*\* *End of ARTICLES*\*\*\*

**EXHIBIT A**  
*Form of Proposal Structure Letter*

*Form of Proposal Letter*

*[Insert Participant's Letterhead]*

\_\_\_\_\_, 2014

Southern California Edison Company  
3 Innovation Way  
Pomona, CA 91768

Attention: Christopher Ohlheiser

Subject: Southern California Edison Company ("SCE")'s 2014 Alternative Distributed Generation Solution ("ADGS") Request for Information ("RFI")

Regarding: *[Short Form of Participant's Name]* Proposal

Dear Christopher,

I. Participant Name:

*[Full Participant Name(s) and form of legal entity]*

II. ADGS Option(s) being submitted:

*[Identify Option(s) being submitted]*

III. Representations, Warranties, and Consents

By submission of this Proposal, *[Participant Name(s)]* hereby represent(s), warrant(s) and/or consent(s) as follows:

- A. *[It has/They have]* all rights, authorizations, approvals, waivers and authority, without further action, to submit this Proposal including the disclosure and anticipated use by SCE of information contained herein;
- B. Consents to SCE's use and grants SCE a perpetual license to use the information provided in this Proposal or any portion thereof, including without limitation, concepts, ideas, devices, technologies, methodologies, and deployment of DER for the purpose of distribution planning, as a basis for future procurement, and/or any other related uses; and

C. The information provided in this Proposal does not infringe upon or otherwise violate any intellectual property rights of any person including any third party.

IV. Special Circumstances (if any)

V. Proposal

*[ Full description of Proposal ]*

Very truly yours,

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*Name*

*Title*