

TURN DATA REQUEST
TURN-SDG&E-DR-01
SDG&E VEHICLE GRID INTEGRATION PROJECT
A.14-04-014
SDG&E RESPONSE
DATE RECEIVED: JUNE 20, 2014
DATE RESPONDED: JULY 7, 2014

MuD = multi-unit dwelling

WP = workplace

1. Re. Schimka testimony on installation unit costs:
 - a. Please provide all workpapers related to the per installation unit costs.
 - b. Did SDG&E review actual installed costs from MuD or WP installations in forming its cost forecast? If yes, please provide details on the actual projects considered (including at a minimum size, location, MuD or WP, type of installation, cost).

SDG&E Response 01:

- a. Attached is a spreadsheet that contains the component cost estimates for each VGI site installation of 10 charging stations. Note that these cost estimates are placeholder costs, and it is SDG&E's plan to use actual contractor cost once the VGI Project is underway (and manage to overall / site cost requirements).



VGI Cost
Estimate.pdf

- b. SDG&E has three years of experience working alongside electric vehicle service providers (EVSPs) on over 500 installations at over 125 locations in the public, workplace, and MuD arenas. The EVSPs generally don't share final costs with SDG&E for completed projects, so VGI cost estimates represent SDG&E's best knowledge gained during public, workplace and MuD project installations. As noted above, SDG&E will use contractor costs solicited through competitive bidding when implementing the VGI Project.

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2. Does SDG&E intend to allocate any specific minimum number of sites to MuD versus WP?

SDG&E Response 02:

SDG&E has not allocated a minimum number of electric vehicle charging stations to MuD or WP locations. Several factors will influence the final installed ratio between MuD and WP locations, including but not limited to, overall VGI installation costs that depend on nearby infrastructure and site conditions, actual host interest in VGI project participation, host willingness to abide by ADA requirements to accommodate VGI equipment installations, and host willingness to sign a no-cost utility easement that would allow the placement of SDG&E equipment on their property.

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3. Is it possible SDG&E could install all sites at workplaces?

SDG&E Response 03:

The VGI Pilot Program is designed to gather data from a diverse group of locations, including MuD and workplace sites. As outlined in Randy Schimka's testimony on page RS-7, SDG&E will use the following criteria to prioritize VGI installations:

- Date of indicated interest (first-in-line priority);
- Current and expected volume of EV drivers;
- Number of VGI installations desired;
- Type of VGI installation (workplace, MuD);
- Nearby transformer available capacity;
- Distance between transformer and new service point;
- Site conditions related to construction feasibility (i.e., trenching surface);
- EV Supply Equipment (EVSE) mounting surface, condition of facility;
- Land and property ownership;
- If leasing, term and conditions of lease;
- Existing /available Americans with Disabilities Act (ADA) accessible parking.

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4. Has SDG&E considered recovering any of the installation costs from users, either as a fee or as part of the charging rate? If not, why not?

SDG&E Response 04:

SDG&E's proposal for the recovery of installation costs is through existing recovery mechanisms for distribution costs. The installation costs are consistent with costs currently recovered through distribution rates.

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5. Has SDG&E gotten any feedback of interest in participating by employers or MuD owners/operators? If yes, please quantify the number and type of contacts.

SDG&E Response 05:

SDG&E gave an educational presentation about the SDG&E Vehicle Grid Integration Pilot Proposal at an SDG&E-hosted event in San Diego on April 28 and in San Francisco on May 5. A shorter presentation of the same content was given to SANDAG's Energy Working Group on May 22, the San Diego Chamber, Energy and Water Committee on June 5, and the CEC's IEPR workshop on June 23. The presentations are included below.



April 28 VGI
community update.ppt



May 5 VGI community
update.pptx



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SDGE_EV_Grid_Integr:

There have been parties at these various presentations who have expressed a general interest in the VGI concept.