

SBE TODAY

Vol 32, Edition 118

FEBRUARY 13, 2017

Diversity in Action Publish by SBE certified SBE/DBE/MBE

California Infrastructure Leaders Tout 'Post-Renewable' Era



Southern California Edison's Mira Loma Battery Storage Facility uses Tesla-manufactured lithium-ion batteries to bank for later use renewable energy generated during low-demand periods.

PHOTO BY ERNESTO SANCHEZ/SCE

By Lori Weisberg

With several large, grid-scale battery-storage facilities opening in quick succession in Southern California, pundits say the state has taken a leading role in developing infrastructure to hold renewable power generated during low-demand periods, using it to supply customers during peak hours.

Officials with utilities and the California Public Utilities Commission (CPUC) highlighted what they called the "world's largest deployment of grid battery projects" at the VerdeXchange conference, held in Los Angeles on Jan. 30-31.

The four projects, totaling 77.5 MW, were fast-tracked to replace in six months energy storage capacity lost in 2015, after the massive natural-gas leak at the Aliso Canyon gas storage facility. The subsequent shutdown left utilities scrambling to supply peak support in the summer.

The current world-record holder, according to officials with utility San Diego Gas & Electric and supplier AES Energy Storage, uses 400,000 lithium-ion batteries to store and deliver up to 30 MW of power over four hours, or 120 MWh.

Just prior to the conference, officials with Southern California Edison flipped the switch on the 20 MW, or 80 MWh, Mira Loma Battery Storage Facility, in Ontario, Calif. It uses batteries manufac-

tured at Tesla's new Gigafactory near Reno, Nev.

The facility "is the tip of the iceberg of how much storage we'll see on the grid," predicted Tesla Chief Technical Officer JB Straubel at the ribbon-cutting.

Another 20-MW, or 80-MWh, facility went on line in Pomona at the end of 2016. Built in four months for AltaGas at a cost of approximately \$42.5 million, the facility uses Samsung batteries.

"We are starting to see renewables competing against renewables, not just against fossil fuels," says CPUC President Michael Picker. As a result, "California has become post-renewable."

Due to favorable contracts, utilities are procuring ahead of the state's requirement to hit 33% of electricity supply generated by renewables by 2020, Picker says. "The value that's added isn't simply getting renewable electricity. It's all the technologies that we use to actually help people get more value out of it," including grid stability and resilience, he adds.

The CPUC targets more than 1.3 GW of energy storage by 2020 for California.

David Wright, Los Angeles Dept. of Water and Power general manager, said his agency will begin a battery-storage project this summer as part of an effort to build 178 MW of storage by 2021.

Conference presenters also highlighted other soon-to-market storage options. "We will see energy storage transform in the same way that renewables have over time," says Jim Kelly, ARES CEO and former Southern California Edison executive. Pointing out that 93% of energy storage is pumped hydroelectricity, rather than batteries, "we will see several different tranches of energy storage and several different flavors."

For example, Japanese manufacturing giant Sumitomo highlighted its introduction into the U.S. market the flow battery, which could challenge lithium ion's current domination of the grid storage market. The expensive, large-scale storage technology has been used in Japan for decades, but new chemical options could make it more competitive in the U.S.

Susan Kennedy, CEO of Advanced Microgrid Solutions, notes that, regardless of what technology wins out, "all of the deployment will be driven by the need of the utilities to manage and upgrade the distribution grid. There is no tax subsidy big enough to support the deployment of energy storage behind the meter unless it is part of a distribution-grid solution. That's where the money is."

SOURCE: <http://www.enr.com>

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California Sub-Bid Request Ads

Guy F. Atkinson
Requests

Sub-bids from All Qualified & Certified DBE Subcontractors/Suppliers
for:

The City of Temecula

Interstate 15 / State Route 79 South Ultimate Interchange Project
Construction on State Hwy in Riverside County, in Temecula on Rte 15 from 0.4 Miles South of
Rte 79 to 0.6 Miles North of 15/79 Separation and on Rte 79 from 0.1 Miles West to
0.1 Miles East of 15/79 Separation

Bid Date Extended to Thursday, February 16, 2017

Please note Addenda 1-7. Some Bid Item quantities have changed.

Description of Work, Services & Supply (but not limited to): AC Dike, AC Paving, Aggregate Materials, Backfill, Chlorination, CIDH, Clearing, CML&C Pipe, Complete Gas Station Demolition, Concrete Paving Supply, Concrete Purchase, Construction Area Signs, Drilled Piling, Driven Piling, Electrical, Erosion Control, Fencing, Hydroseed, Landscaping, MBGR, Minor Concrete, Overhead Signs, Pavement Markings, QA/QC, Rebar, Road Barrier, Water Works Materials, Welding, Wet Utilities.

REFER TO PROJECT SPECS AND ADDENDA FOR REVISED BID ITEM LIST.

ENGINEER'S ESTIMATE is \$25,600,000

\$25,985,00 with Additive Bids(s)

4.7% DBE Project Goal

****Lower Tier DBE participation is greatly encouraged****

Guy F. Atkinson

18201 Von Karman Ave, Suite 800, Irvine, CA 92612

socal.esteeming@atkn.com

Phone: 949-382-7145 / Fax: 949-553-0252

Guy F. Atkinson is a union contractor and an Equal Opportunity Employer. We are signatory to the Carpenters, Cement Masons, Laborers and Operating Engineers Unions. 100% Performance & Payment Bonds from an approved surety company will be required for subcontractors with contract value greater than \$100,000. Atkinson will pay the cost of bonds up to 2.0%. Atkinson will assist in obtaining necessary equipment, supplies, materials or related services. We will split items of work (see project specs for full list of bid items) and provide assistance for bonding, LOC and insurance where needed. Subcontractors will be expected to sign Atkinson's standard subcontract and to comply with our company's standard insurance requirements which include a waiver of subrogation. Please provide contractor's license number and Department of Industrial Relations (DIR) registration number with your quote.

Atkinson requests that subs and vendors register and prequalify in our online system at <http://www.atknextranet.com> prior to bidding.

Project Plans, Specs, all Addenda, Info Handout and Q&A are available upon request through BOX (our file sharing site).

Please contact us with any questions or for help with your bid.

DESILVA GATES

CONSTRUCTION

11555 Dublin Boulevard • P.O. Box 2909

Dublin, CA 94568-2909

(925) 829-9220 / FAX (925) 803-4263

Estimator: GARRY DAY

Website: www.desilvagates.com

An Equal Opportunity Employer

DeSilva Gates Construction (DGC) is preparing a bid as a Prime Contractor for the project listed below:

CANDLESTICK POINT / HUNTERS POINT SHIPYARD PHASE II REDEVELOPMENT PROJECT SUB-PHASES CP-02,03,04

ALICE GRIFFITH COMMUNITY GARDEN

Small Business Enterprise goal assigned is 50%

OWNER:

LENNAR / CP DEVELOPMENT CO LP;

HPS DEVELOPMENT CO LP

1 Sansome Street, Suite 3200, San Francisco, CA 94104

BID DATE: FEBRUARY 16, 2017 @ 2:00 P.M.

We hereby encourage responsible participation of local Small Business Enterprises/Local Business Enterprises, and solicit their subcontractor or materials and/or suppliers quotation for the following work:

ALICE GRIFFITH COMMUNITY GARDEN

Plans and specifications may be reviewed at the following locations:

- At the Construction Assistance Program (CAP) located at 690 Hudson Avenue, Trailer B, San Francisco, CA 94124 phone number (415) 549-7393.

- At our office located at 150 Executive Park Boulevard, Suite 3000, San Francisco, CA 94134 or reviewed and downloaded from the Dropbox site at https://www.dropbox.com/sh/8nncftqjnxrjfp/AACBiV_tbPnGSsXaJV5R06goa?dl=0

Information is also available on the following websites:

City and County of San Francisco <http://mission.sfgov.org/ocabidpublication/#close>

OCII <http://sfocii.org/rfps-rfq-bids>

The deadline for questions is February 6, 2017 at 5:00 PM. A non-mandatory pre-bid meeting will be held on January 24, 2017 at 2:00 PM located at 150 Executive Park Boulevard, Suite 3000, San Francisco, CA 94134.

Fax your bid to (925) 803-4263 or email it to gday@desilvagates.com to the attention of Estimator Garry Day. If you have questions for the Estimator, call at (925) 361-1587.

If you need support services and assistance in obtaining bonding, insurance, necessary equipment, materials and/or supplies or related assistance or services, for this project call the Estimator at (925) 361-1587. DGC is willing to breakout portions of work to increase the expectation of meeting the SBE/LBE goal.

At our discretion, 100% Payment and 100% Performance bonds may be required as a subcontract condition. This will be a PREVAILING WAGE JOB and subject to the Project Labor Agreement (PLA). DGC is an equal opportunity employer.

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California Sub-Bid Request Ads



Kiewit Infrastructure West Co.
 4650 Business Center Drive Fairfield, CA 94534
 Attn: Victor Molina • norcal.bids@kiewit.com
 Fax: 707-439-7301

Requests quotes/bids from qualified Subcontractor, Service Providers, Consultants, and/or Suppliers seeking to participate in the City of Sunnyvale, Primary Treatment Facility Package 2 Project in Sunnyvale, CA.

<http://www.epa.gov> / <http://www.sba.gov> / www.californiaucp.org

Subcontractors and Suppliers for the following project:

**Primary Treatment Facility – Package 2 Project
 Project No. UY -16/01-20
 Owner: City of Sunnyvale**

Bid Date: February 22, 2017 @ 3:00 P.M.

Disadvantaged Business Enterprises (DBEs)

Minority Business Enterprise (MBE), Women Business Enterprise (WBE), Small Business Enterprise (SBE), Small Business in a Rural Area (SBRA), Labor Surplus Area Firm (LSAF), or Historically Underutilized Business (HUB) Zone Businesses wanted for the following scopes, including, but not limited to:

Aggregates, Asphalt Paving, Concrete, Concrete Pumping, Concrete Supply, Concrete Reinforcement Supply & Install, Minor Concrete, Mass Concrete, Cast in Place Concrete, Precast Concrete, Concrete Formwork, Concrete Accessories, Bird Deterrent, Auger Boring, Canopies, Conveying Systems, Demolition, Electrical, Equipment, Earthwork, Emergency Eye/Face Wash & Shower Equipment, Fencing & Gates, Finishes, Fire Protection Specialties, Fire Hydrants, FRP Fabrications & Tanks, Grouting, HVAC, Instrumentation & Controls, Joint Sealant, Lime Stabilization, Masonry, Metals, Metal Building, Monitoring Wells, Office Furniture, Overhead Doors & Windows, Painting & Coatings, Piling, Piping & Valves, Pumps, Piping Insulation, Shoring, Structural Steel, Steel & Roof Decking, Signage, Street Sweeping, SWPPP, Thermal & Moisture Protection, Trucking & Hauling, Water Truck.

Bonding, insurance, and any technical assistance or information related to the plans or specification and requirements for the work will be made available to interested CUCP, MBE, SBE, SBRA, LSAF or HUB Certified DBE business suppliers and subcontractors. Assistance with obtaining necessary equipment, supplies, materials, or services for this project will be offered to interested certified suppliers and subcontractors.

**Subcontractor and Supplier Scopes are due
 February 3, 2017 and**

Quotes NO LATER THAN February 7, 2017 at 5 PM.

Plans are available for viewing at our office at our address below and through SmartBidNet (SBN).

All subcontractors that are registered in our SBN database will receive an invitation to bid.

Please visit <http://www.kiewit.com/districts/northern-california/overview.aspx> to register your company to be able to receive bidding information, Plans and Specifications

Performance and Payment Bonds may be required for Subcontractors and Supply Bond for Suppliers on this project

**Clean Water State Revolving Fund (CWSRF)
 Provisions apply
 Davis-Bacon Act/State prevailing wages apply**



Kiewit Infrastructure West Co.
 4650 Business Center Drive Fairfield, CA 94534
 Attn: Victor Molina • norcal.bids@kiewit.com
 Fax: 707-439-7301

Requests quotes/bids from qualified Subcontractor, Service Providers, Consultants, and/or Suppliers seeking to participate in the Peninsula Corridor Joint Powers Board (JPB), 25TH Avenue Grade Separation Project in San Mateo, CA.

<http://www.pd.dgs.ca.gov> / www.californiaucp.org / <http://www.sba.gov> / <http://www.vta.org>

Subcontractors and Suppliers for the following project:

**25th Avenue Grade Separation Project
 Contract No. 17-J-C-048**

**Owner: Peninsula Corridor Joint Powers Board
 Bid Date: February 21, 2017 @ 2:00 P.M.**

Small Business Enterprise (SBE), Micro (SB), SBA SBs and Santa Clara Valley Transit Authority SBs

**wanted for the following scopes,
 including, but not limited to:**

Aggregates, Asphalt Paving, Alarm & Detection System, Bridge Abutments/Piers, Concrete, Concrete Pumping, Concrete Supply, Concrete Reinforcement Supply & Install, Minor Concrete, Cast in Place Concrete, Precast Concrete/Girders/Bridges, Concrete Formwork, Concrete Accessories, Cellular Concrete, CCTV System, Communication Networking, Cable Railing, Clear & Grub, CIDH, Ceiling Suspension System, Ceramic Tile, Decorative Polymer Fabrications, Demolition, Dewatering, Electrical, Earthwork, Fencing & Gates, Finishes, Fire Protection Specialties, Fire Suppression System, Fiber Optics, HVAC, Instrumentation & Controls, Joint Sealant, Landscaping, Masonry, Metals, Metal Building, Membrane Waterproofing, OCS Pole Foundations, Roadway Lighting & Traffic Signals, Station Furnishings, Steel Doors & Frames, Sheet Metal, MSE Wall, Painting & Coatings, Pavement Markings, Piling, Rail & Cross-ties, Support of Excavation, Structural Steel, Steel & Roof Decking, Signage, Visual Message Signs, Street Sweeping, SWPPP, Thermal & Moisture Protection, Trucking & Hauling, Utility Relocation, Welding, Water Truck.

Bonding, insurance and any technical assistance or information related to the plans or specification and requirements for the work will be made available to interested SBE, Micro (SB) and SBA certified business suppliers and subcontractors. Assistance with obtaining necessary equipment, supplies, materials, or services for this project will be offered to interested certified suppliers and subcontractors.

**Subcontractor and Supplier Scopes are due
 February 17, 2017 and Quotes**

NO LATER THAN February 20, 2017 at 5 PM.

Plans are available for viewing at our office at our address below and through SmartBidNet (SBN).

All subcontractors that are registered in our SBN database will receive an invitation to bid.

Please visit <http://www.kiewit.com/districts/northern-california/overview.aspx> to register your company to be able to receive bidding information, Plans and Specifications

Performance and Payment Bonds may be required for Subcontractors and Supply Bond for Suppliers on this project.

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Graniterock

120 Granite Rock Way, San Jose, CA 95136
 Phone (408) 574-1400 Fax (408) 365-9548
 Contact: Randy Bonino
 Email: estimating@graniterock.com

REQUESTING SUB-QUOTES FROM QUALIFIED SBE SUBCONTRACTORS/SUPPLIERS/TRUCKERS FOR:

**Rebid Rapid 523 Bus Stop Improvements
 Contract No. C17004**

Owner:

**Santa Clara Valley Transportation Authority
 Engineers' Estimate: \$2,250,000.**

BID DATE: February 14, 2017 @ 1:30 PM

Items of work include but are not limited to: CPM Schedule, Quality Control, Construction Area Signs, Traffic Control, SWPPP, Escape Plan, Potholing, Grinding, Asphalt & Concrete Demolition, Minor Concrete (Curbs, Gutters, Bus Stop), Sawcutting, Supply Trash Receptacles, Adjust Utilities, Electrical, Road Signs, Striping and Trucking.

Granite Rock Company 'Graniterock' is signatory to Operating Engineers, Laborers, Teamsters, Carpenters and Cement Masons unions. 100% performance and payment bonds will be required from a qualified surety company for the full amount of the subcontract price. Bonding assistance is available. Graniterock will pay bond premium up to 1.5%. In addition to bonding assistance, subcontractors are encouraged to contact Graniterock Estimating with questions regarding obtaining lines of credit, insurance, equipment, materials and/or supplies, or with any questions you may have. Subcontractors must possess a current contractor's license, DIR number, insurance and worker's compensation coverage. Subcontractors will be required to enter into our standard contract. Graniterock intends to work cooperatively with all qualified firms seeking work on this project.

We are an Equal Opportunity Employer

D'Arcy & Harty Construction, Inc

(415) 822-5200 Phone • (415) 822-0747 (Fax)
 Estimator: willie@darcyhart.com

**City of Piedmont
 Sanitary sewer Rehabilitation
 Phase 5 Project**

Bids: March 7th, 2017 at 2:00 PM

**DBE sub- bids requested for:
 Traffic Control, Saw-cutting, Trucking
 Paving, Concrete sidewalk,
 CIPP and Manhole Rehabilitation**



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