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PG&E Team recognized with a Leadership Award for Environmental Sustainability from Sustainable Purchasing Leadership Council

Presented to Pacific Gas and Electric Company (PG&E) for their procurement of V-gard Green hard hats made from sugar cane. The hats help PG&E reduce its carbon footprint and increase productivity while meeting standard safety requirements.

PG&E works to identify product choices and procurement strategies that measurably improve our environmental profile. In 2016, PG&E began sourcing V-gard GREEN hard hats made from sugar cane. These GREEN hard hats have all of the same qualities of a traditional hard hat with the added value of being manufactured from sugarcane ethanol which helps PG&E reduce its overall carbon footprint. Also, the GREEN hard hat absorbs less natural radon which has proven to be a time savings for the exit process at one of our power plants. The GREEN hard hat is slightly more expensive than the traditional, but has added value that supports our goal of providing safe, reliable, affordable and clean energy—today and into the future.

The Sustainable Purchasing Leadership Council, established in 2013, is a non-profit organization whose mission is to support and recognize purchasing leadership that accelerates the transition to a prosperous and sustainable future.

PG&E recognized at the WRMSDC “Excellence in Supplier Diversity Awards Gala”

On May 12, 2017, Western Regional Minority Supplier Development Council’s annual Excellence in Supplier Diversity Awards Gala was held at the Chabot Space and Science Museum in Oakland, California.

Continued on next page ...
PG&E hosts its second “How to do Business with PG&E” in collaboration with PG&E’s Asian ERG


Out for Business - PG&E’s signature event to connect LGBT suppliers

On Friday, June 9th 2017, in celebration of LGBT Pride Month, the PG&E’s Supply Chain Responsibility team hosted its Second Annual Out for Business Workshop. PG&E’s signature event connected LGBT suppliers to PG&E purchasers, PG&E suppliers and other companies. Attended by nearly 70, the event was able to make almost 100 connections. The attendees also learned from a panel about how LGBT Suppliers and Supplier Diversity professionals integrate LGBT and other diverse suppliers in the supply chain. Panelists included PG&E Supply Chain Responsibility Director, LGBT business owners, Brooke Langle (Terra Verde) and Sandra Escalante (Laner Electric) and Samantha Lewis from PG&E Supplier Cushman & Wakefield and Supplier Diversity Manager for Wells Fargo Salvador Enriquez.
On May 31- June 2nd, 2017, PG&E showed strong support for the U.S. Pan Asian American Chamber of Commerce’s 32nd Anniversary CelebrAsian Procurement Conference 2017. The conference, with a theme of “Collaborate – Innovate – Connect on the West Coast: San Diego,” brought together more than 650 attendees ranging from Fortune 500 procurement executives, federal government officers, industry disruptors, to community and business leaders.

Gun Shim, PG&E’s Vice President of Supply Chain, moderated two panel discussions with 13 Chief Procurement Officers across the manufacturing and services industries. Lili Kwan, PG&E’s Manager of Supply Chain Responsibility, participated as a panelist on the Services industry CPO panel moderated by PG&E VP Gun Shim.

Doing Business with Corporations in Construction and Manufacturing session. Additional session topics across the three days included a Chief Technology Officer forum, a pitch competition with eight businesses with innovative ideas, a meet the disruptors session on how seven entrepreneurs transformed their industries and a supplier diversity managers caucus for best practice sharing. In addition, USPAACC recognized a list of Fast 100 Asian American Businesses for their successful growth. The conference concluded with a day-long Guanxi Business Opportunity Fair and business matchmaking session.

USPAACC supports USPAACC CelebrAsian Procurement Conference in San Diego

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USPAACC Corporate members and leaders, (far right, PG&E’s Lili Kwan, Manager Supply Chain Responsibility)

Awards

PG&E Ranked as One of the Nation’s Top Utilities for Diversity

USPAACC and corporate leaders (CPOs, CTOs, CIOs)
On June 9, 2017, PG&E hosted a successful Meet the Primes and Business to Business event in PG&E’s Concord offices. Approximately 80 people attended the event, which included PG&E representatives, 12 prime suppliers and 36 diverse businesses. Participants felt the high energy matchmaking session was well-organized, targeted and helped facilitate new subcontracting relationships. The diverse businesses gained valuable knowledge from the primes, learning about their specific needs and requirements. Suppliers also appreciated the opportunity to network with the PG&E sourcing and line of business representatives in attendance.

Innovative suppliers can bring immense value to PG&E. This value is not just in terms of cost savings, but also in process efficiencies, increased safety, and environmental impact reduction.

In the beginning, PG&E thought K.W. Emerson was a trucking/logistics company. K.W. Emerson had experience moving equipment in remote areas, where many of PG&E’s hydro facilities are located. K.W. Emerson had a keen focus on safety while conducting business in these remote areas.

California Water Association’s “Meet the Primes Showcase and Summit”

On June 6, 2017, PG&E participated in the California Water Association’s “Meet the Primes Showcase and Summit” in Citrus Heights California. The event included approximately 25 vendor presentations, matchmaking and a roundtable discussion. The Summit gave PG&E an opportunity to benchmark and meet new Diverse Business Enterprises. The event also included presentations from Cal Water on Upcoming Opportunities – Industry Trends and Future Projects and from Black & Veatch who covered Advanced Metering Infrastructure for Water Utilities. Each participant received a booklet that included profiles of all of the DBEs that participated. This event is just one way that the utilities collaborate to advance opportunities for DBEs.

PG&E Electric Transmission and Distribution Meet the Primes and Business to Business event

On June 9, 2017, PG&E hosted a successful Meet the Primes and Business to Business event in PG&E’s Concord offices. Approximately 80 people attended the event, which included PG&E representatives, 12 prime suppliers and 36 diverse businesses. Participants felt the high energy matchmaking session was well-organized, targeted and helped facilitate new subcontracting relationships. The diverse businesses gained valuable knowledge from the primes, learning about their specific needs and requirements. Suppliers also appreciated the opportunity to network with the PG&E sourcing and line of business representatives in attendance.

Diverse Supplier Profile
KW Emerson

KW Emerson Offers Innovative Solutions to PG&E

Innovative suppliers can bring immense value to PG&E. This value is not just in terms of cost savings, but also in process efficiencies, increased safety, and environmental impact reduction.

In the beginning, PG&E thought K.W. Emerson was a trucking/logistics company. K.W. Emerson had experience moving equipment in remote areas, where many of PG&E’s hydro facilities are located. K.W. Emerson had a keen focus on safety while conducting business in these remote areas.

Continued on next page ...
Most recently K. W. Emerson has been involved in land slide stabilization at Pit 5 Power House in 2016 and also emergency road repairs along the Pit River Road in 2017. In order to achieve a high level of safety while minimizing labor costs, K.W. Emerson worked with their sub-contractor to develop unique scaffolding for the canal work. Previously, two crew members were needed (one to hold a ladder and the other to work), and now both people can complete the work safely and efficiently.

K.W. Emerson offered an innovative solution to weep holes that has become PG&E’s engineering standard. Before, contractors were using adhesive epoxies on a piece of pipe. K.W. Emerson suggested adding manhole seals that slide on with no additional chemicals needed. This resulted in overall cost reduction and time savings. Previously, this work took about an hour per weep hole. In 2016 alone, there was a reduction of at least 25 man-hours just due to this innovation. Another innovation that K.W. Emerson developed was a process to stabilize isolated soft spots in the ground. K.W. Emerson had a project in a canal in which the ground at the bottom of the canal was soft and unstable. To solve this problem, they used cement and mixed it with the dirt which hardened in one day. During this effort, they were working alongside another PG&E supplier doing similar work. PG&E asked K.W. Emerson if they would share this practice with the other supplier to help them perform so PG&E could meet the overall project deadline. K.W. Emerson shared their innovation and helped PG&E avoid potentially an additional week of work that could have cost up to $500,000.

Many times K. W. Emerson sets itself apart from the competition by establishing and maintaining safe and efficient access to difficult, tight and dangerous project sites. The means and methods they designed for accessing the Pit 5 Power House Slope repair project in 2016 is a good example. Rather than handling the large ¼ ton rip rap multiple times, K. W. Emerson established a turn-around area for end dump trucks at the top of the valve house road. This eliminated having to transfer this rip rap into smaller 10 wheeled dump trucks due to the tight turn-around area near the valve house. The rip rap was then loaded into large tracked dump trucks called Morookas and taken down the steep access road from the valve house to the project site. The use of Morookas allowed for materials to be delivered more efficiently and safely than with other methods. Overall, these methods and innovations listed above allowed us to be successful in completing this project under budget and on time despite heavy October rains.

Owners, Rusti and Dan Emerson, attribute their success as a company to their employees. Many have worked there 10-15 years and take great pride and ownership in their efforts.

PG&E does not endorse using any specific supplier. This article is strictly for informational and educational purposes only.

Meet Our Supply Chain Responsibility Team

Here are our Supply Chain Responsibility team members (previously Supplier Diversity and Sustainability) and their assigned business portfolios. We encourage you to visit the PG&E website (www.pge.com/supplychainresponsibility) for the most current updates and information.

Joan Kerr, Director
Supply Chain Responsibility

Corey Lee, Director’s Assistant
Supply Chain Responsibility

Dionne Adams, Supply Chain Responsibility Consultant
External Affairs, Regulatory Affairs
CBO Lead: Small Business, Communications, Regulatory Compliance

Deb Bonner, Supply Chain Responsibility Manager
Process Lead: Supplier Environmental and Sustainability Program

Continued on next page ...
**Cherry Crosby, Supply Chain Responsibility Consultant**
CBO Lead: Asian
Process Lead: Prime Supplier Academy, Supplier Development Program, Supply Chain Responsibility Awards, Results Support

**Timothy Evans, Supply Chain Responsibility Consultant**
Gas Operations
CBO: Native American/Alaska Natives

**Jerilyn Gleaves, Supply Chain Responsibility Manager**
CBO Lead: African American
Process Lead: LOB Champions Process, Supplier Diversity Consultant Process

**Lynette Hall, Supply Chain Responsibility Consultant**
CBO Lead: Service-Disabled Veterans
Process Lead: Outreach, Ambassador Program, GO-156 Annual Filing

**Kristen Hickey, Supply Chain Responsibility Consultant**
Shared Services, Corporate Services
CBO Lead: LGBT, Fleet/Aviation, Corporate Real Estate, Professional Services

**Lili Kwan, Supply Chain Responsibility Manager**
CBO: WRMSDC, NMSDC
Process Lead: Supplier Diversity Operations, Program Management

**Alejandro Serrudo, Supply Chain Responsibility Consultant**
Electric Operations

**Bob LeFave, Supply Chain Responsibility Consultant**
Process Lead: Results and Reporting, Prime Supplier Program, Diverse Suppliers are Cybersecure

**David Pell, Supply Chain Responsibility Consultant**
IT, Customer Care
CBO Lead: Women
Process Lead: Grid of Things

**Tiffany Rodriguez, Supply Chain Responsibility Consultant**
Generation
CBO Lead: Hispanic/Latino
Process Lead: Supply Chain Sustainability

**Alejandro Serrudo, Supply Chain Responsibility Consultant**
Electric Operations
### 2017 Supply Chain Responsibility Calendar of Events

<table>
<thead>
<tr>
<th>Date</th>
<th>Organization</th>
<th>Event Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/10/17</td>
<td>Western Regional Minority Supplier Development Council [WRMSDC]</td>
<td>WRMSDC Build the Future Business and Construction Expo</td>
<td>Richmond, CA</td>
</tr>
<tr>
<td>8/15/17-8/19/17</td>
<td>Elite SDVOB Network</td>
<td>Elite SDVOB National Convention</td>
<td>Orlando, FL</td>
</tr>
<tr>
<td>8/17/17-8/18/17</td>
<td>ASTRA</td>
<td>2017 Astra S.T.E.A.M. Summit</td>
<td>San Jose, CA</td>
</tr>
<tr>
<td>8/17/17-8/19/17</td>
<td>California Black Chamber of Commerce</td>
<td>CBCC Ron Brown Business &amp; Economic Summit, PG&amp;E hosts Diverse Suppliers are Safe and Cybersecure and Corporate Meet and Greet</td>
<td>Oakland, CA</td>
</tr>
<tr>
<td>8/22/17</td>
<td>CalAsian Pacific Chamber of Commerce</td>
<td>Empower Central Valley Workshop Series</td>
<td>Bakersfield, CA</td>
</tr>
<tr>
<td>8/23/17</td>
<td>CalAsian Pacific Chamber of Commerce</td>
<td>Empower Central Valley Workshop Series</td>
<td>Fresno, CA</td>
</tr>
<tr>
<td>8/23/17</td>
<td>California Hispanic Chamber Of Commerce [CHCC]</td>
<td>CHCC Annual Convention</td>
<td>Sonoma, CA</td>
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<tr>
<td>8/24/17</td>
<td>CalAsian Pacific Chamber of Commerce</td>
<td>Empower Central Valley Workshop Series</td>
<td>Salida, CA</td>
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<tr>
<td>8/29/17</td>
<td>CalAsian Pacific Chamber of Commerce</td>
<td>Empower Central Valley Workshop Series</td>
<td>Stockton, CA</td>
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<tr>
<td>9/5/17</td>
<td>Western Regional Minority Supplier Development Council</td>
<td>WRMSDC Webinar on Strategic Partnerships, Alliances, Joint Ventures and How to Land Larger Contracts</td>
<td>TBD</td>
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<tr>
<td>9/7/17</td>
<td>PG&amp;E &amp; Small Business Administration</td>
<td>SBA Small Business Workshop</td>
<td>San Jose, CA</td>
</tr>
<tr>
<td>9/8/17</td>
<td>PG&amp;E</td>
<td>Supplier Diversity Workshop: Hispanic Heritage Month/ Diverse Suppliers Go Green</td>
<td>GO Conf Room A</td>
</tr>
<tr>
<td>9/18/17</td>
<td>PG&amp;E (Customer Care)</td>
<td>Energy Efficiency Pre-Bid Forum</td>
<td>SF PEC</td>
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<tr>
<td>9/20/17</td>
<td>ASTRA</td>
<td>Astra Northern California Economic Summit</td>
<td>Oakland, CA</td>
</tr>
<tr>
<td>9/28/17</td>
<td>Western Regional Minority Supplier Development Council [WRMSDC]</td>
<td>WRMSDC Supplier Diversity Best Practices Corporate Lunch &amp; Learn</td>
<td>TBD</td>
</tr>
</tbody>
</table>

**Production:** Cherry Crosby  
**Edits:** Lili Kwan