



Hosted by:



Platinum Sponsor & Welcome Reception Host:



Learning Session Hosts:



Welcome Reception April 2, 2019

Conference April 2-5, 2019

All conference sessions held at the Marriott Marquis, San Diego CA

www.westernunderground.org



**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



CONFERENCE EVENTS:

LOCATION

Tuesday Activities:

1:00pm – 4:00pm	Preconference Optional Tour at SDG&E Training Facility (Utility Members Only)	SDGE
4:00pm - 5:00pm	Executive Board Meeting	
5:00pm - 7:00pm	Welcome & Networking Reception Hosted by: WESCO	Bayside Pavilion

Wednesday Activities:

7:30am - 8:00am	Registration	Marina Registration
8:00am - 9:00am	Breakfast Learning Session Hosted by: ATTITUDE SYSTEMS	Marina Ballroom
9:00am - 9:40am	General Opening Session	Marina Ballroom
9:40am - 10:15am	Safety Sub – Committee	Marina Ballroom
10:30am – 11:15am	General Session	Marina Ballroom
11:15am – 11:45am	Mutual Problems	Marina Ballroom
11:45am - 1:00pm	Lunch & Learn Hosted by: MILWAUKEE TOOL	Bayside Pavilion
1:00pm - 3:30pm	Sub - Committees Sub-Committee 1 Operations Sub-Committee 2&3 Engineering &Substructures Sub-Committee 5 Planning	Cardiff/Carlsbad Point Loma/ Solana Balboa/Mission
4:30pm - 7:30pm	Manufacturer/Supplier Exhibits Event	Marina Ballroom

Thursday Activities:

7:30am - 8:00am	Registration	Marina Registration
8:00am - 9:00am	Breakfast Learning Session- Hosted by: AMERICAN SUPERCONDUCTOR	Marina Ballroom
9:00am – 11:00am	General Session	Marina Ballroom



**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



11:00am – 11:30am
11:30am – 12:30am

Mutual Problems
Lunch & Learn
Hosted by: **TE Connectivity**

Marina Ballroom
Bayside Pavilion

12:45pm – 4:30pm
6:00pm – 9:00pm

Technical Tour
Fellowship Dinner

USS Midway
Punch Bowl

Friday Activities:

8:00am – 8:30am
8:35am – 10:30am
10:30am – 1:30am
11:45am

Networking Breakfast - **Hosted by WUC**
General Session
Mutual Problems
Conference and Meeting Adjourn

Marina Ballroom
Marina Ballroom



**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



Welcome Reception

Marriott Marquis San Diego Marina
333 W Harbor Dr. San Diego, CA 92101
Bayside Pavilion
5pm – 7pm

<https://www.marriott.com/hotels/travel/sandt-marriott-marquis-san-diego-marina>

Conference Layout

**SECOND FLOOR
(Lobby Level)**

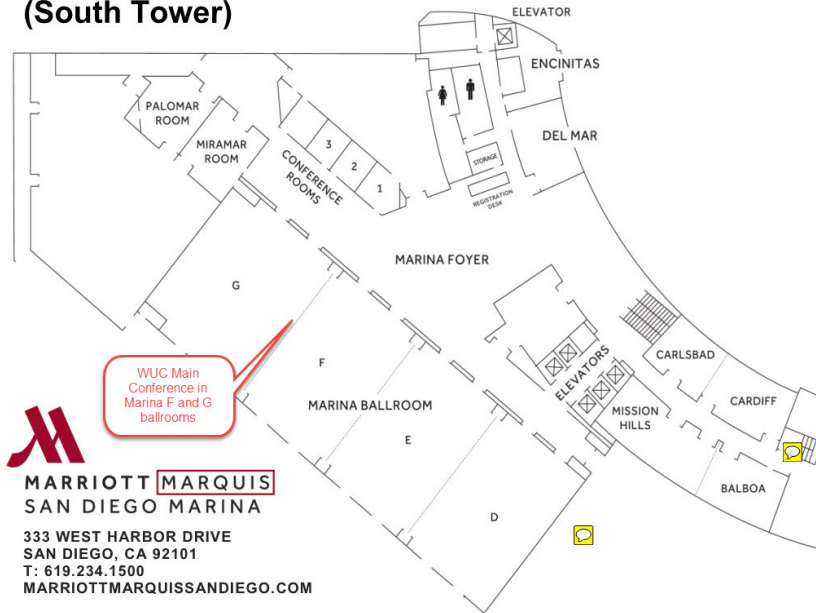




**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**

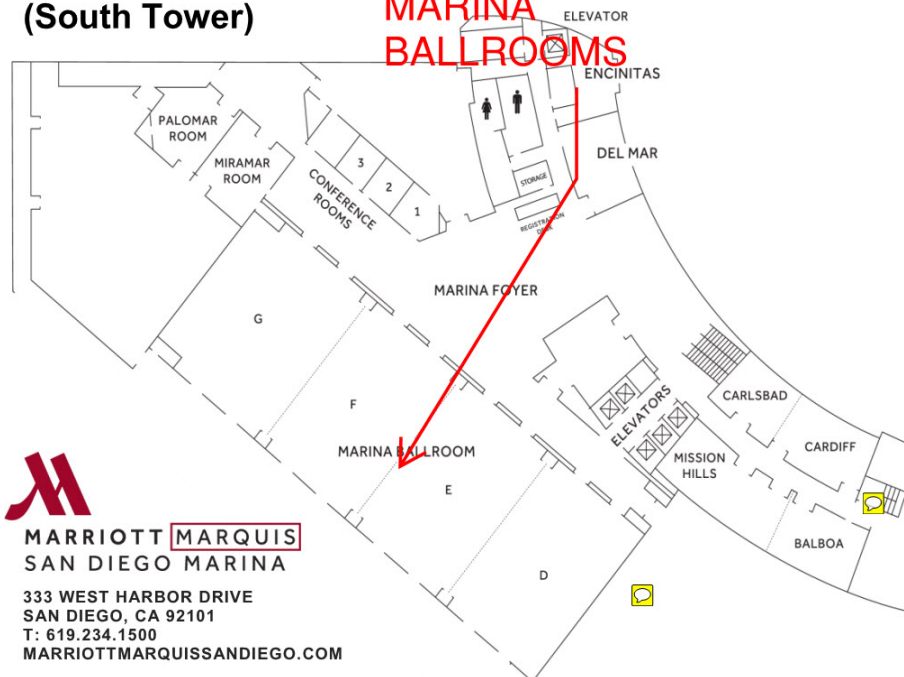


**THIRD FLOOR
(South Tower)**



**THIRD FLOOR
(South Tower)**

**VENDOR EXPO IN
MARINA
BALLROOMS**

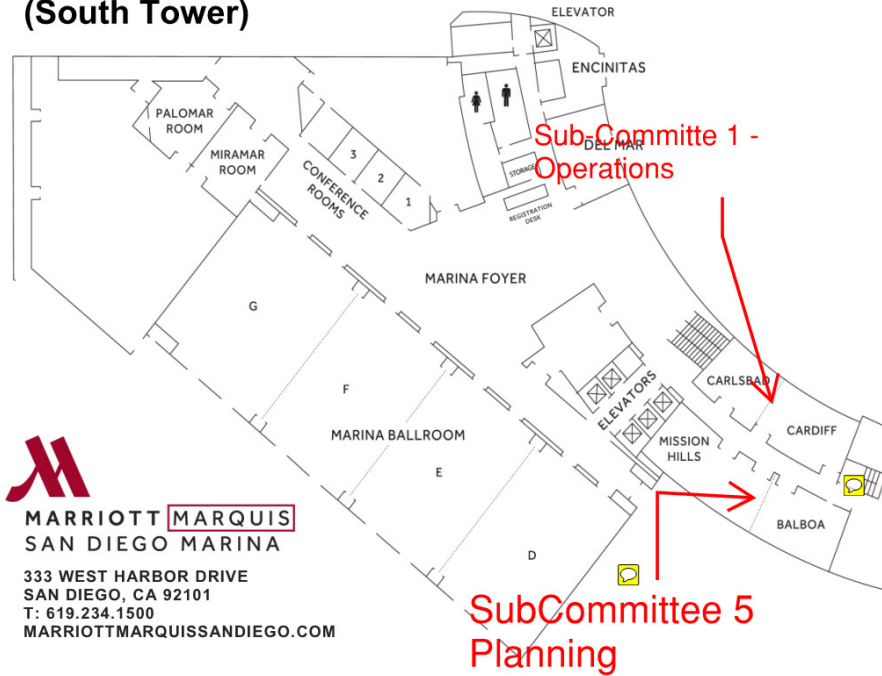




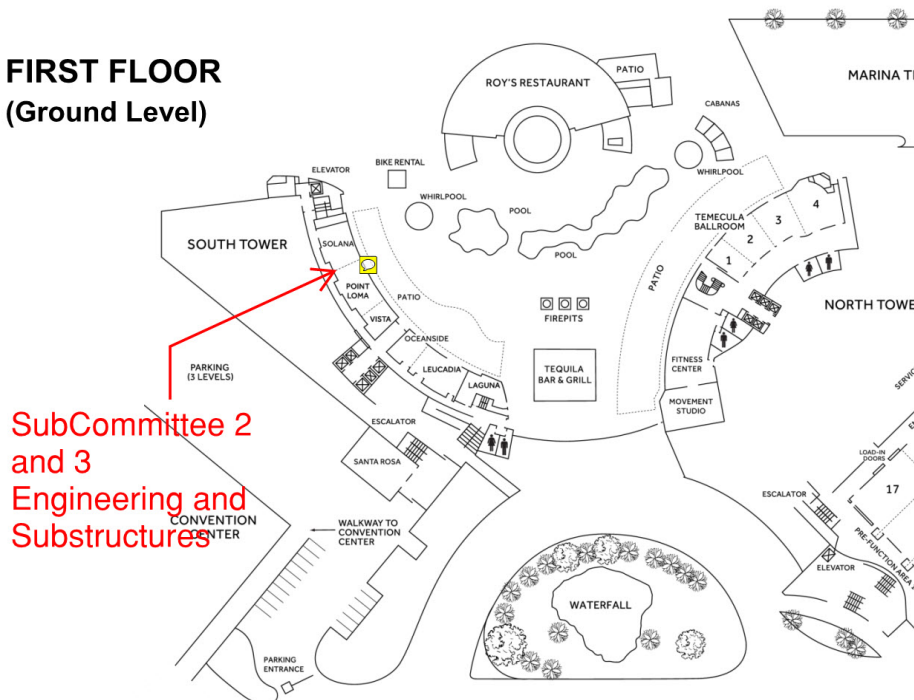
WESTERN UNDERGROUND COMMITTEE GENERAL CONFERENCE INFORMATION April 2-5, 2019



THIRD FLOOR (South Tower)



FIRST FLOOR (Ground Level)





**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



CONFERENCE EVENTS:

LOCATION

Tuesday, April 2nd

1:00pm – 4:00pm	Preconference Tour at SDG&E Training Facility	SDGE
	1:00pm Sharp Bus to SDG&E	
	1:30pm - 4:00pm Tour of Facility - Station #1- Fiberglass Pole Installation: Demonstration of building the RS Pole by setting the individual modules with RS's Gin Pole.	
	Station #2- Demonstration of DSG&E's New Live-Front to Dead Front 600A (Eaton-Cooper) CLEER Cabinet Station #3- Demonstration of the new Phse Trakker Jr. testing 1 phase, 3 phase, and secondary meters and demonstration of the remote switching of the (Innovative Switchgear) motor operators.	
	4:00pm Sharp Bus to Hotel	
4:00pm - 5:00pm	Executive Board Meeting	
5:00pm - 7:00pm	Welcome & Networking Reception Hosted by: WESCO	Bayside Pavilion

Wednesday, April 3rd

7:30am - 8:00am	Registration	Marina Registration
8:00am - 9:00am	Breakfast Learning Session Hosted by: ATTITUDE SYSTEMS Presentation 1: Why is IIOT different than SCADA and how can it can help with predictive maintenance, asset management and	Marina Ballroom



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April 2-5, 2019**



shorten downtime

General Session

9:00am – 9:40am **General Opening Session** Marina Ballroom

- Past Chairperson Remarks – Jaime Pinedo, LADWP, WUC 2018 Chairperson
- Member Self Introductions and Years of Service – Kory Nichols, SRP, WUC 2019 Chairperson
- Recognition of Board Members

Welcome Remarks – San Diego Gas & Electric, Will Speer, Vice President of Engineering and Construction, SDG&E, Eddie Alcobia, Senior Construction Standards Administrator, SDG&E,

- Host Recognition – Kory Nichols, SRP, WUC 2019 Chairperson
Presentation: Wesco Distribution
Presenter: Introduction to Hi Line Utility Supply, a division of WESCO
Website: <http://www.wesco.com/>

9:40am – 10:15am **Safety Sub – Committee** Marina Ballroom

Safety Chairperson: Rafael Rios

- **Presentation 1: Disrupting the Safety Industry (40 mins)**
Presenter: Kory Nichols, Manager Distribution Line Maintenance, Salt River Project
Description: The utility work force is disrupted with technological distractions that are leading to an increase in preventable accidents. Developing a safety culture with a changing work force requires the engagement of leadership and employees to minimize safety incidents successfully.

10:15am – 10:25am **Break**

10:25am – 11:00am **General Session Continues:** Marina Ballroom



**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



- **Presentation 2: SDG&E Overhead Distribution Corrosion & Environmental Contamination Mitigation Initiatives**
Presenter: Dallas Cormier, Principal Engineer, SDG&E

11:00am – 11:45am **Mutual Problems** Marina Ballroom

Closed Door session **FOR UTILITY EMPLOYEES ONLY**. Questions/concerns shall be reviewed in order as received. Please email Jun Golo: jgolo2@idahopower.com

11:45am – 1:00pm **Lunch & Learn** Bayside Pavilion
UTILITY EMPLOYEES ONLY
Hosted by: **MILWAUKEE TOOL**
Presentation: Calibration, Verification & Testing of Milwaukee® Compression Products
Website: <http://www.Milwaukeeetool.com>

1:00pm – 3:30pm **Sub-Committee Breakout Meeting** **Location**
Afternoon Refreshments will be served
Sub – Committee 1 Operations Cardiff/Carlsbad
Chairperson: Tom Fieldse, Technical Specialist, PWRD Construction Methods, Southern California, Edison

- **Presentation 3.1 OSHA Arc Flash Evaluation and AR/FR clothing**
Presenter: Patricio Leon- Alvarado, Engineer, SCE

Sub – Committee 2&3 Engineering &Substructures Point Loma/ Solana
Chairperson: Mike Dyer, Executive Engineer, Salt River Project

- **Presentation 4.1 Revising Distribution Transformer Specifications from 65C to 75C**
Presenter: Jerry Hodge, Former VP, Polemount division, Howard Industries
- **SRP/ASU Research Project – Evaluation of High Temperature Operation of Natural Ester Filled Distribution Transformers**
Presenter: Mike Dyer, Executive Engineer, SRP

Sub – Committee 5 Planning Balboa/Mission Hill



**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



Chairperson: Jun Golo, Principal Engineer, Idaho Power

- **Presentation 5.1 Standards of the Future – “Going Digital”**
Presenter: Jun Golo, P.E. Methods and Materials, Idaho Power Company, Eileen Dickerson, Standards Supervisor, Tucson Electric Power
- **Presentation 5.2 Aeolian Vibration on Transmission & Distribution Lines at APS**
Presenter: Rafael Rios, Standards Engineer, Arizona Public Service

4:30 – 7:30

Manufacture / Supplier Event

Marina Ballroom



WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019



Vendor Expo Tables

Wednesday, April 3, 2019 @ 4:30pm – 7:30pm

PLATINUM SPONSOR



Learning Session Sponsors



Vendors Tables





**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



Thursday, April 4

7:30am – 8:00am **Conference Registration** Marina Registration

8:00am – 9:00am Breakfast Learning Session Marina Ballroom
Hosted By: **AMERICAN SUPERCONDUCTOR**
Presentation: The D-VAR VVO which is the first distribution voltage STATCOM designed for direct connection to feeders outside of substations.

General Session

9:00am – 9:15am **Reconvene General Session** Marina Ballroom
Administrative Items

- Approval of Minutes & Treasurer's Report – Tiffany McAvoy, Treasurer
- Executive Board Report – Eileen Dickerson, WUC Secretary
- Technical Tour & Fellowship Details – Kory Nichols, SRP, WUC 2019 Chairperson

9:15am – 10:00am **General Session** Marina Ballroom

- **Presentation 6: SDG&E- UAS and Fire Risk Mitigation**
Presenter: Drew Smith, Engineer II, SDG&E

10:00am – 10:15am Break

10:15am – 11:00am **General Session Continues** Marina Ballroom

- **Presentation 7: EPZ**
- Presenter: Bruce Philips, Journeyman Lineman, SDG&E

11:00am – 11:30am **Mutual Problems** Marina Ballroom

Closed Door session **FOR UTILITY EMPLOYEES ONLY**. Questions/concerns shall be reviewed in order as received. Please email Jun Golo: jgolo2@idahopower.com



**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



11:30am – 12:30pm

Lunch & Learn

Bayside Pavilion

UTILITY EMPLOYEES ONLY

Hosted by: **TE CONNECTIVITY**

Presentation: Wildlife & Asset Protection - Sustained Reliability of Wildlife and Asset Protection Products for Substation and Overhead Distribution.

Presented by: Luis Puigcerver, Senior Product Manager

12:45pm – 4:30pm

Technical Tour

- USS Midway – The USS Midway is an aircraft carrier, formerly of the United States Navy, the lead ship of her class. Commissioned a week after the end of WWII and was the largest ship in the world until 1955. She was decommissioned in 1992 and is now a museum showcasing many of her distinguished qualities.

***Tour Details:**

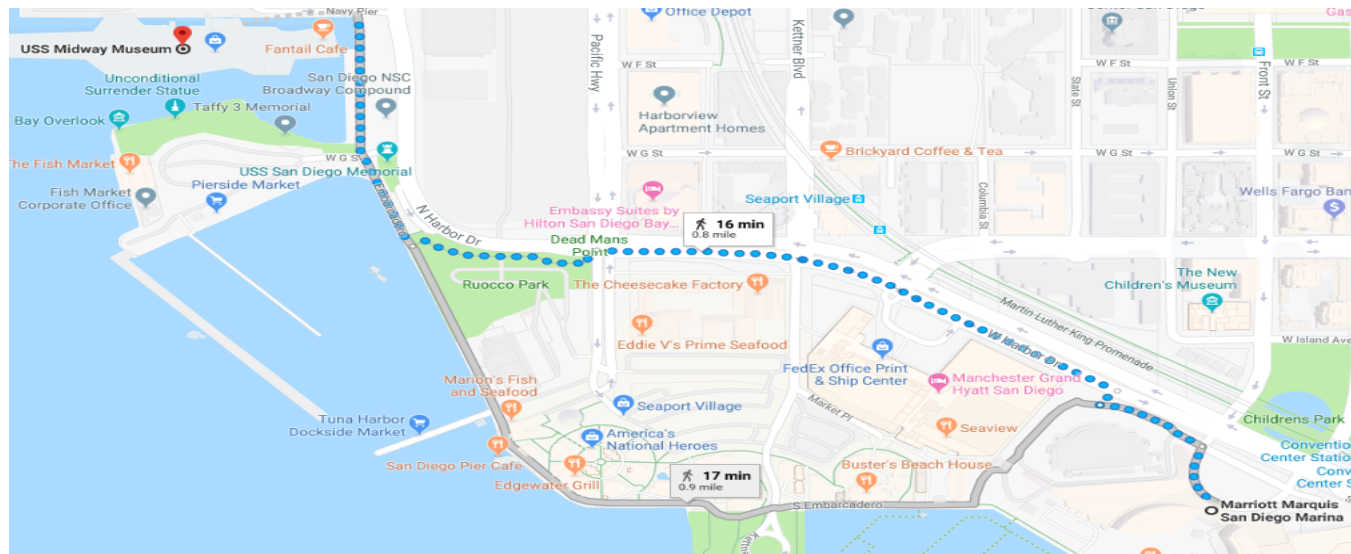
The USS Midway is a short 10 min walk from the hotel along the waterfront. The bus to the USS Midway are for 36 passengers only- this is **ONLY** for those who can't walk along the water front to the USS Midway.

EVENT TRANSFERS TO USS MIDWAY - Thursday, April 4, 2019

12:45PM	First trip departs hotel (1 mile)
12:55PM	Arrive at USS Midway
1:05PM	Return transfer to hotel
1:15PM	Arrive at hotel and load guests
1:30PM	Second trip departs hotel (1 mile)
1:40PM	Arrive at USS Midway
3:45PM	First trip back to hotel departs USS Midway
4:00PM	First trip arrives at hotel
4:30PM	Final trip back to hotel departs USS Midway
4:45PM	Arrive at hotel.
<i>Note: this timeline allows each trip group a full two hours at the USS Midway.</i>	



WESTERN UNDERGROUND COMMITTEE GENERAL CONFERENCE INFORMATION April 2-5, 2019



6:00pm Western Underground Committee Fellowship Dinner: Punch Bowl San Diego 1485 E. St., San Diego, 92101

*Fellowship Dinner Details

Buses will be provided and will shuttle from the hotel starting at 6:00 pm and will run between the hotel and the Punch Bowl until 9:00pm. Your name badge and dinner ticket are REQUIRED to ride the bus and be admitted to the Punch Bowl.

EVENT TRANSFERS TO PUNCH BOWL SOCIAL - Thursday, April 4, 2019

2 – 47 passenger motor coaches (both make ALL trips)

6:00PM	First trip departs hotel (1.2 miles)
6:15PM	Arrive at Punch Bowl Social
6:25PM	Return to hotel for second trip
6:40PM	Arrive at hotel and load guests
6:45PM	Second trip departs hotel (1.2 miles)
7:00PM	Arrive at Punch Bowl Social
8:15PM	First trip back to hotel departs Punch Bowl Social
8:30PM	First trip arrives at hotel
9:00PM	Final trip back to hotel departs Punch Bowl Social



**WESTERN UNDERGROUND COMMITTEE
GENERAL CONFERENCE INFORMATION
April 2-5, 2019**



9:15PM | Arrive at hotel.

Note: this timeline allows each trip group about 2 hours and 15 minutes at Punch Bowl Social

Friday, April 5

8:00am – 8:30am Breakfast Network Session Marina Ballroom
Hosted by: **Western Underground Committee**

8:30am – 8:35am Moment of Silence for fallen comrades

General Session

8:35am – 9:15am **General Session** Marina Ballroom

- **Presentation 8: Arc Flash Implementation**
Presenter: Eddie Alcobia, Senior Construction Standards Administrator, SDG&E

9:15am – 9:30am **Break**

9:45am – 10:30am **General Session Continues** Marina Ballroom

- **Presentation 9: Deadbreak & Loadbreak Underground Connections and Reliability Improvement**
Presenter: Ken Lee, Director of Engineering Services, EDM International, Inc.

10:30am – 11:30am **Mutual Problems** Marina Ballroom

Closed Door session **FOR UTILITY EMPLOYEES ONLY**. Questions/concerns shall be reviewed in order as received. Please email Jun Golo: jgolo2@idahopower.com

11:45am **Conference and Meeting Adjourn**