

Monday, March 19, 2018

Conference Schedule

12:00 - 6:00 pm	Exhibitor Move-In								
4:00 - 8:00 pm	Registration Open				Grand Foyer				
6:00 - 7:00 pm	Opening Keynote - Presented by Charles Gay, DOE				Cataract Room Sponsor:				
7:00 - 9:00 pm	Welcome Reception				Cataract Room Sponsor:				

Tuesday, March 20, 2018

7:00 - 8:00 am	Continental Breakfast				Event Center/Exhibit Hall Sponsor:				
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7:00 am - 6:00 pm	Conference Registration				Crystal Foyer				
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CLASSROOMS	Tubman	Schoelkopf	Governor's Amphitheatre	Whitney	Hennepin	Porter	DeVeaux	Red Jacket	Olmsted
8:00 - 9:30 am	Optimizing your Solar Proposal for the 2018 Tax Bill: an Interactive Session <i>Aurora Solar, Inc.</i>	Moving Towards Microflashing? <i>APsystems</i>	Energy Storage - Battery Bank Sizing, Care & Troubleshooting <i>Rolls Battery Engineering</i>	Designing Commercial Projects with XGI <i>Yaskawa/ Solectria Solar</i>	Advanced Ground Mount and Pitched Roof – Design & Installation Best Practices <i>IronRidge</i>	StorEdge Use Cases, Installation, and Profile Programming <i>SolarEdge Technologies</i>	Solar and Roofing <i>CertainTeed Solar</i>	Single Axis Trackers for Ground Mount Installations <i>NEXTracker</i>	Introduction to Sungrow's 1000 & 1500 Volt String Inverter Solutions <i>SunGrow North America</i>

9:30 - 10:00 am	MORNING BREAK				Event Center/Exhibit Hall Sponsor:				
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CLASSROOMS	Red Jacket	Grand Ballroom I	Grand Ballroom II	Porter/DeVeaux
10:00 - 12:00 pm	Data Acquisition, Energy Monitoring and Fleet Management Platforms Moderator: Andrew Truitt, Distributed Resource Ventures	Major updates in PV codes and standards Moderator: Rebekah Hren, Solar Energy International	Case studies – Energy Storage and Rule 21 Advanced Inverter Functions Moderator: Kyle Bolger, Blue Planet Energy	Selling More Solar — the Role of Financing Moderator: Christine Owens, BayWa r.e.

12:00 - 1:30 pm	NETWORKING LUNCH				Exhibit Hall Sponsor:				
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CLASSROOMS	Tubman	Schoelkopf	Governor's Amphitheatre	Whitney	Hennepin	Porter	DeVeaux	Red Jacket	Olmsted
1:30 - 3:00 pm	Solar Bonding, Grounding, and Wire Management Best Practices <i>Burndy, LLC (Wiley)</i>	What is UL1741-SA, California Rule 21 and HECO Rule 14H, Why Should You Care, and What To Do About It <i>OutBack Power Technologies</i>	Commercial Three Phase Microinverter Solutions — Includes Design for Communication <i>APsystems</i>	How to Boost Your Residential Sales, Close More Deals & Manage Projects using Software <i>Solargraf</i>	Magnum Energy presents: Designing and programming large residential battery backup and off grid PV systems <i>Magnum Energy</i>	Be More Competitive Through Lean Solar Installation <i>Unirac, Inc.</i>	Solar Roof Talk - Live! <i>Quick Mount PV</i>	Advanced System Design with HelioScope <i>Folsom Labs</i>	Simplified Design and Installation with the IQ 7/7+ and the IQ Combiner+ <i>Enphase Energy</i>

3:00 - 3:30 pm	AFTERNOON BREAK				Event Center/Exhibit Hall Sponsor:				
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CLASSROOMS	Red Jacket	Grand Ballroom I	Grand Ballroom II	Porter/DeVeaux
3:30 - 5:30 pm	Structural Considerations for PV Systems Moderator: Jeff Spies, Quick Mount PV	Rapid Shutdown Requirements and Solutions Moderator: Ward Bower, Ward Bower Innovations, LLC	Energy Storage Options — System Design and Battery Chemistries Moderator: Catherine Kelso	Improving system ROI through Best Practices in Solar PV System Design, Installation, Monitoring, and O&M Moderator: Rudy Saporite, IBTS

5:30 - 8:30 pm	NETWORKING RECEPTION/DINNER - Event Center/Exhibit Hall				Sponsor:				
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7:00 - 9:00 pm	Jeff Spies "Pioneers of PV — the Documentary" Grand Ballroom I								
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Wednesday, March 21, 2018

Conference Schedule

7:00 - 8:00 am Continental Breakfast Event Center/Exhibit Hall Sponsor:

7:00 am - 6:00 pm Conference Registration Crystal Foyer

CLASSROOMS	Tubman	Schoelikopf	Governor's Amphitheatre	Whitney	Hennepin	Porter	DeVeaux	Red Jacket	Olmsted
8:00 - 9:30 am	NEC and Fronius Compliance Fronius, USA	Setting-up Solar + Storage Systems for Self-consumption and Time of Use Applications OutBack Power	Microinverters in the Residential Environment- APsystems YCS00 Dual Module Solution Apsystems	Moving Towards Microflashing™ SolarRoofHook	Photovoltaic Performance Monitoring with Solar-Log? Solar-Log	New SolarEdge products in 2018 SolarEdge Technologies	Morningstar's Inverter-Charger for Off-Grid Power & Backup/UPS Morningstar Corporation	Sizing and installing the sonnen eco energy storage system sonnen, Inc.	Simplified Design and Installation with the IQ 7/7+ and the IQ Combiner+ Enphase Energy

9:30 - 10:00 am MORNING BREAK Event Center/Exhibit Hall Sponsor:

CLASSROOMS	Red Jacket	Grand Ballroom I	Grand Ballroom II	Porter/DeVeaux
10:00 - 12:00 pm	Basic Requirements & Commissioning Steps for Residential PV Systems Moderator: Steve Higgins, Rolls Battery Engineering	UL 2703 – PV System Bonding/Grounding and Fire Classification Moderator: Catherine Kelso	Connecting Business Strategy to NABCEP Key Job Tasks Moderator: Boaz Soifer, BayWa r.e. Solar Systems, LLC	Community Solar Industry Overview and Insights Moderator: Andrew Truit, Distributed Resource Ventures

12:00 - 1:30 pm NETWORKING LUNCH Event Center/Exhibit Hall Sponsor:

CLASSROOMS	Tubman	Schoelikopf	Governor's Amphitheatre	Whitney	Hennepin	Porter	DeVeaux	Red Jacket	Olmsted
1:30 - 3:00 pm	Panasonic High Efficiency Solar and Storage Solutions Panasonic	Battery 101 – Flooded vs. AGM vs. GEL Trojan Battery	Energy Storage – Battery Bank Sizing, Care and Troubleshooting Rolls Battery Engineering	Many Ways to Proof the Roof and Stand the Land with SunModo Racking SunModo Corp.	Tell the whole story! How to add value to your PV sale by including consumption monitoring eGauge Systems	ABB Solar Product Technology ABB	Rail-less PV mounting system for asphalt pitched roofs, Code and best practices with Roof Tech Roof Tech, Inc.	Designing and Implementing Battery-Based Solar Systems Schneider Electric	Virtual Central Inverter Architecture: Utilizing Sungrow String Inverters for Utility-Scale Installations SunGrow North America

3:00 - 3:30 pm AFTERNOON BREAK Event Center/Exhibit Hall Sponsor:

CLASSROOMS	Red Jacket	Grand Ballroom I	Grand Ballroom II	Porter/DeVeaux
3:30 - 5:30 pm	Calculating Payback in a Post NEM Market Moderator: Jeff Spies, Quick Mount PV	Presenting and Designing a System with Storage Options Moderator: Kyle Bolger, Blue Planet Energy	Performance Issues? Causes and Solutions to O&M Problems Moderator: Don Warfield, Ameresco Solar	PV Installer Safety Moderator: Brian Mehalic, Solar Energy International

5:30 - 8:30 pm NETWORKING RECEPTION/DINNER Event Center/Exhibit Hall Sponsor:

Thursday, March 22, 2018

Conference Schedule

7:00 - 8:00 am		Continental Breakfast		Event Center/Exhibit Hall		Sponsor:	
7:00 - 9:00 am		Conference Registration		Crystal Foyer			
CLASSROOMS	Red Jacket	Grand Ballroom I	Grand Ballroom II	Porter/DeVeaux			
8:00 - 11:30 am	2017 National Electric Code (NEC) Ryan Mayfield, Renewable Energy Associates	PV with Energy Storage for Residential Applications Roger Williams and Rebekah Hren, Solar Energy International	PV Pricing and Economics Michael Bishop, and Connor English, PVBid	PV Systems Maintenance and Trouble Shooting Brian Mehalic, Solar Energy International			
9:30 - 10:00 am		MORNING BREAK		Event Center/Exhibit Hall		Sponsor:	
11:30 am - 1:00 pm		NETWORKING LUNCH		Event Center/Exhibit Hall		Sponsor:	
1:00 - 6:00 pm		Exhibitor Move Out					
CLASSROOMS	Red Jacket	Grand Ballroom I	Grand Ballroom II	Porter/DeVeaux			
1:00 - 4:30 pm	2017 National Electric Code (NEC) Ryan Mayfield, Renewable Energy Associates	PV with Energy Storage for Residential Applications Kyle Bolger, Blue Planet Energy and Rebekah Hren, Solar Energy International	PV Pricing and Economics Michael Bishop, and Connor English, PVBid	PV Systems Maintenance and Trouble Shooting Brian Mehalic and Roger Williams, Solar Energy International			
2:30 - 3:00 pm		AFTERNOON BREAK		Event Center/Exhibit Hall (Foyer)		Sponsor:	
4:30 pm Conference Adjournment - Thank You for Attending NABCEP's 7th Annual CE Conference. Have A Safe Journey Home!							

PV Installation Professional Recertification Requirements

- 6 Hours Specific to the NEC Electric Code
- 6 Hours Specific to the JTA (Job Task Analysis)
- 6 Hours PV Technical or Non- Technical of which 2 hours must be Building and/or Fire Code

PV Technical Sales Recertification Requirements

- 12 Hours Specific to the JTA (Job Task Analysis)
- 6 Hours PV Technical or Non-Technical

PV System Inspector Recertification Requirements

- 8 Hours Specific to the NEC Electric Code

PV Associate

- 12 Contact Hours

Technical Trainings = 1.5 CEU's each

Panel Sessions = 2.0 CEU's each

Thursday, Full Day Class = 6.0 CEU's each