

Monday, March 28, 2022

Conference Schedule

12:00 PM to 6:00 PM	Exhibitor Move In - Phoenix Grand Ballroom
1:00 PM to 7:00 PM	Registration Opens - Phoenix Grand Ballroom
3:00 PM to 4:30 PM	Round Tables Discussion - Encanto A & B - Sponsored by: Aurora
4:45 PM to 5:45 PM	"Meet and Greet" - Oculus - Sponsored by: Sungrow
6:00 PM to 7:00 PM	Opening Keynote Speaker - Ezra Auerbach - Valley of the Sun Ballroom - Sponsored by: BayWa r.e. Solar Systems
7:00 PM to 9:00 PM	Welcome Reception - Valley Overlook - Sponsored by: BayWa r.e. Solar Systems



Tuesday, March 29, 2022

8:00 am - 4:00 pm	CONFERENCE REGISTRATION	Phoenix Ballroom
8:00-9:00 am	BREAKFAST BUFFET	Phoenix Ballroom Sponsored by:
8:00-8:50 am	WOMEN AND MINORITIES IN SOLAR BREAKFAST	Paradise Valley Sponsored by:

CLASSROOMS	Laveen A	Laveen B	Maryvale A	Maryvale B	Ahwatukee A	Alwahukee B	Estrella	Alhambra	Encanto A	Camelback A	South Mountain
9:00-10:30 am	Battery Blood, Brains, and Magic <i>Fortress Power</i>	Ground Mount Design & Installation for Solar Professionals <i>IronRidge</i>	HazLoc-rated Solar Equipment—What is it and Why Should you Care? <i>Morningstar</i>	Autonomous Energy System Components with Lithium Batteries <i>Victron Energy</i>	Avoiding Mistakes with Energy Storage <i>OutBack Power</i>	Residential Ground Mounts: Design Considerations for Increased Profitability <i>Solar Foundations USA</i>	Rail-Less Solar on Metal Roofs: ROI & Best Practices S-5!.	Solar-Plus-Storage ESS NEC and Fire Codes <i>Mayfield Renewables</i>	Benefits of a Microgrid Monitoring and Controls for a Variety of Off-grid Battery Inverters <i>Blue Planet Energy</i>	Identifying and Deploying Energy Storage Projects that offer Strong Project Economics <i>Energy Toolbase</i>	PV Associate Training by <i>HeatSpring</i>

10:30-11:00 am	MORNING BREAK	Phoenix Grand Ballroom	Sponsored by:
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CLASSROOMS	Laveen A	Laveen B	Maryvale A	Maryvale B	Ahwatukee A	Alwahukee B	Estrella	Alhambra	Encanto A	Camelback A	South Mountain
11:00-12:30 pm	The Power of BMS Triggers in Off-Grid Systems <i>Discover Battery</i>	APsystems DS3 Training: Installation and Commissioning of the World's Most Powerful Dual-Module Microinverter <i>APsystems</i>	Simple Whole Home Backup with 15KW/15KWh ESS + SmartLoad Mgmt + Optional Sol-Ark Microinverters <i>Sol-Ark</i>	Why String Inverters are the Best Choice for Commercial Photovoltaic Projects <i>Fronius USA</i>	Introduction to Flat Roof PV <i>Unirac, Inc.</i>	PV Mounting with Roof Tech's Self-flashing AlphaSeal™ Technology <i>Roof Tech, Inc.</i>	Best Practices and Proper Installation Techniques for Connectors, Bonding, Grounding, and Wire Management, <i>Burndy/Wiley, LLC</i>	Is Your Solar Coaster Grinding Gears? How to Grow in 2022 <i>BayWa r.e. Solar Systems</i>	K2 Pro Tips & Installation Best Practices <i>K2 Systems</i>	Planning, Installation & Commissioning of Energy Storage Systems <i>Panasonic</i>	PV Associate Training by <i>HeatSpring</i>

12:30-2:00 pm	NETWORKING LUNCH	Phoenix Grand Ballroom	Sponsored by:
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CLASSROOMS	Encanto A	Encanto B	Deer Valley	Paradise Valley
2:00-4:00 pm	Major Updates: National Electrical Code and UL Standards Sponsored by Span.io Moderator: Rebekah Hren, Solar Energy International Invited Panel: Jason Fisher (Span.io), Jeff Fecteau (UL), Justine Sanchez (Mayfield Renewables)	The Impact of Building Codes and ASCE 7-16 on Roof and Ground Mounting Requirements Sponsored by Discover Battery Moderator: Jeff Spies, Planet Plan Sets Invited Panel: Marc Lopata (Azimuth Energy and Solar Island Energy), Russ Emery (Vector Engineering), Jason Brown (Sunrun), Jake Morin (Structurology)	Quality Management for PV Installations Sponsored by APsystems Moderator: Johan Alfsen, K2 Systems Invited Panel: Brian Mehalic, (Solar Energy International) Rudy Saporite, (IBTS) Anthony Weidenfeller, (Sun Valley Solar)	Energy Storage Systems: Proper Design and Customer Expectation Management for Bullet Proof Systems Sponsored by OutBack Power Moderator: Greg Smith, Tigo Energy Invited Panel: Troy Morgan (Pantech Design), Kyle Bolger (Mayfield Renewables), Chris Fox (Span.io), Michael Wight (Discover Battery)



4:00-4:30 pm	AFTERNOON BREAK	Phoenix Grand Ballroom	Sponsored by:
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CLASSROOMS	Laveen A	Laveen B	Maryvale A	Maryvale B	Ahwatukee A	Alwahukee B	Estrella	Alhambra	Encanto A	Camelback A	South Mountain
4:30-6:00 pm	Energy Storage - LFP & Traditional Deep Cycle Battery Selection, Sizing, Installation & Programming <i>Rolls Battery Engineering</i>	From Back up to TOU Rate Applications, the Hybrid Inverter Covers it All <i>GoodWe Technologies</i>	AC Coupling <i>MidNite Solar</i>	Designing and Installing IQ8 only Microgrid PV Systems – Sunlight Backup Only <i>Enphase Energy</i>	Why Pros Choose XW Pro <i>Schneider Electric</i>	BoltSeal® - Protect Roof Penetrations without Chemical Sealants <i>QuickBOLT</i>	No Holes Barred Solar Racking Solution <i>SolarPod</i>	DC Disconnects - Where they are Needed & How to Size <i>IMO Automation</i>	Building a Solar Drone Program in 2022 <i>Scanfly</i>	How to Design & Optimize Residential Solar + Storage Installations <i>Tigo Energy</i>	PV Associate Training by <i>HeatSpring</i>

6:00 - 8:30 pm	NETWORKING DINNER/RECEPTION	Grand Ballroom	Sponsored by:
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● = NEC "National Electric Code"
 ● = Building and/or Fire Code (BFC)
 ● = PVIP
 ● = PVIS
 ● = PVDS
 ● = PVTS
 ● = PVCMS
 ● = PVSI

Wednesday, March 30, 2022 Conference Schedule

8:00 am-4:00 pm		REGISTRATION OPEN					Phoenix Ballroom					
8:00-9:00 am		BREAKFAST BUFFET					Phoenix Ballroom					Sponsored by: 
8:00-8:50 am		VETERANS APPRECIATION BREAKFAST					Paradise Valley					Sponsored by: 
CLASSROOMS	Laveen A	Laveen B	Maryvale A	Maryvale B	Ahwatukee A	Alwahukee B	Estrella	Alhambra	Encanto A	Camelback A	South Mountain	
9:00-10:30 am	Electrical Design with a Span Panel SPAN.io	SimpliPhi Elite IQ Installer Training: AC and DC Coupling of a PV System with PHI Batteries SimpliPhi Power, Inc.	Designing and Installing IQ8 only Microgrid PV Systems – Sunlight Backup Only Enphase Energy	HazLoc-rated solar equipment— what is it and why should you care? Morningstar	Sol-Ark M-1000 (2ch) and M-2000 (4ch) Microinverters Sol-Ark	Maximize Production with Utility Scale DC Coupled PV + Storage Yaskawa Solectria Solar	Lessons from the Roof: Residential Installation Nightmares and how to Avoid Them Pegasus Solar	Pitched Roof Solar Unirac, Inc.	Sales or Ops - Whose Fault Is It? Why Company Culture is Critical (for Real) BayWa r.e. Solar Systems	How to Remotely Troubleshoot Your Solar Fleet and Create Recurring Revenue for Your Service Team Sun-o-vision	PV Associate Training by HeatSpring	
10:30-11:00 am		MORNING BREAK					Grand Ballroom					Sponsored by: 
CLASSROOMS	Laveen A	Laveen B	Maryvale A	Maryvale B	Ahwatukee A	Alwahukee B	Estrella	Alhambra	Encanto A	Camelback A	South Mountain	
11:00-12:30 pm	Energy Storage Advanced Commissioning, Care & Troubleshooting of Battery-Based Systems Rolls Battery Engineering	Know Your Code: Solar Roof Mounting IronRidge	DC Charging Systems MidNite Solar	Adding Storage to an Existing Solar Energy System OutBack Power	High Power String Inverters and 800Vac Solutions for Large PV & Energy Storage Plants Chint Power Systems (CPS) America	Learn the Latest Innovations in Solar Mounting Systems SunModo	DC Disconnects - Where They are Needed & How to Size IMO Automation	Commercial Battery Preliminary Design Frotress Power	How to Design & Optimize Residential Solar + Storage Installations Tigo Energy, Inc.	Transform Your Commercial Buildings into Distributed Solar + Modular Energy Storage Yotta Energy	PV Associate Training by HeatSpring	
12:30-2:00 pm		NETWORKING LUNCH					Phoenix Grand Ballroom					Sponsored by: 
CLASSROOMS	Encanto A		Encanto B			Deer Valley		Paradise Valley				
2:00-4:00 pm	PV and EV Charging Sponsored by Sol-Ark Moderator: Andrew Truitt, INVITED PANEL: Chris Thompson (SolarEdge) Venus Johnson (ChargeNet) Rue Philips (365 Pronto)		Energy Storage Compliance Sponsored by CED Greentech Moderator: Kyle Bolger, Mayfield Renewables INVITED PANEL: Corey Garrison, (South Face Solar Electric) Sequoya Cross, (SimpliPhi Power) Anthony Johnson, (Ageto) Jeff Spies, (Planet Plan Sets)			After the Install: Operating and Maintaining PV Systems Sponsored by Sungrow Moderator: Brian Mehalic, Solar Energy International (SEI) INVITED PANEL: Amanda Bybee (Amicus O&M Cooperative) Nick Valcho (Sungrow) Kate Collardson (Omnidian)		Installer Safety – Good for People, Good for Business! Sponsored by Rolls Battery Engineering Moderator: Roger Williams, Solar Energy International (SEI) INVITED PANEL: Amy Scher (Solar Energy International) Steve Higgins (Rolls Battery Engineering) Greg Smith (Tigo Energy) Russ Patzer (Sun Valley Solar Solution) Nate Bergenholz (Kong, USA)				
4:00-4:30 pm		AFTERNOON BREAK					Phoenix Grand Ballroom					Sponsored by: 
CLASSROOMS	Laveen A	Laveen B	Maryvale A	Maryvale B	Ahwatukee A	Alwahukee B	Estrella	Alhambra	Encanto A	Camelback A	South Mountain	
4:30-6:00 pm	How to Streamline your Solar Workflow From Sales to Install With more Accurate Designs Eagleview	PWRcell Fundamentals: Understanding AC Coupled PV Integration Generac	Best Practices on how to set up an ESS System Sol-Ark	Off grid, Self-Consumption, and Mobile Applications Victron Energy	The Next Step: Adding C&I to Your Residential Business Sungrow	PV Mounting with Roof Tech's Self-flashing AlphaSeal™ Technology Roof Tech, Inc.	Solar Carports and Future Proofing EV Charger Foundations Preformed Line Product (PLP)	Planning and Executing the Remote Microgrid Blue Planet Energy	DEKA Duration MK Battery	PV String Sizing with Very Large PV Modules in New Residential and Commercial PV Systems Solis Interters (Ginlong Technologies)	PV Associate Training by HeatSpring	
6:00 - 8:30 pm		NETWORKING DINNER/RECEPTION					Grand Ballroom					Sponsored by: 

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Conference Schedule

8:00-8:30 am		BREAKFAST BUFFET		Phoenix Grand Ballroom			
8:00-10:00 am		CONFERENCE REGISTRATION		Phoenix Grand Ballroom Foyer			
CLASSROOMS	Encanto A&B	Maryvale	Paradise Valley	Ahwatukee A & B			
8:30-10:00 am	2017 & 2020 NEC Code Requirements for PV Installations Sponsored by Fortress Power Presented by Ryan Mayfield, Mayfield Renewable 	Solar Plus Storage Details Uncovered Sponsored by BayWa r.e. Presented by Roger Williams, Solar Energy International (SEI) and Kyle Bolger, Solar Energy International (SEI) 	Financials of Site Electrification and Backup Sponsored by Honeywell Presented by Michael Bishop, Pause Grid 	PV System Operations and Maintenance (O&M) Sponsored by Intersolar Presented by Brian Mehalic, Solar Energy International (SEI) and Joe Villacci, Solar Energy International (SEI) 			
10:00-10:30 am		MORNING BREAK		Phoenix Grand Ballroom			
CLASSROOMS	Encanto A&B	Maryvale	Paradise Valley	Ahwatukee A & B			
10:30-12:00 pm	2017 & 2020 NEC Code Requirements for PV Installations Continued 	Solar Plus Storage Details Uncovered Continued 	Financials of Site Electrification and Backup Continued 	PV System Operations and Maintenance (O&M) Continued 			
12:00-1:00 pm		NETWORKING LUNCH		Phoenix Grand Ballroom		aurora	
CLASSROOMS	Encanto A&B	Maryvale	Paradise Valley	Ahwatukee A & B			
1:00-2:30 pm	2017 & 2020 NEC Code Requirements for PV Installations Continued 	Solar Plus Storage Details Uncovered Continued 	Financials of Site Electrification and Backup Continued 	PV System Operations and Maintenance (O&M) Continued 			
2:30-3:00 pm		AFTERNOON BREAK		Phoenix Grand Ballroom		aurora	
CLASSROOMS	Encanto A&B	Maryvale	Paradise Valley	Ahwatukee A & B			
3:00-4:30 pm	2017 & 2020 NEC Code Requirements for PV Installations Continued 	Solar Plus Storage Details Uncovered Continued 	Financials of Site Electrification and Backup Continued 	PV System Operations and Maintenance (O&M) Continued 			
4:30 pm Conference Adjournment - Thank You for Attending NABCEP's 11th Annual CE Conference. Have A Safe Journey Home!							

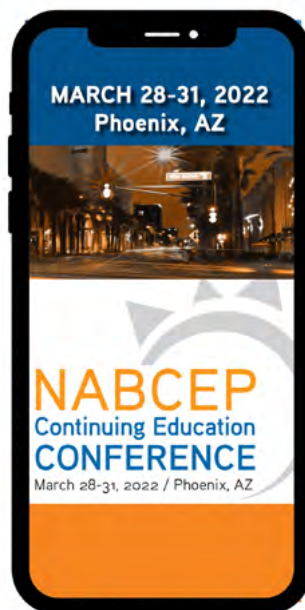
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