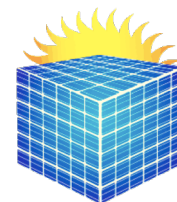


Solar + Energy Storage Association of Puerto Rico

SESA Energy Summit 2018

June 25-26 | Intercontinental San Juan



MONDAY, JUNE 25TH

8:00 - 9:30am

REGISTRATION & LIGHT BREAKFAST

9:30 – 10:00am

WELCOME FROM SESA

10:00-10:20AM

OPENING KEYNOTE

Hon. Luis Rivera Marin (Secretary of State)

10:20-11:05am

RAMPING UP RENEWABLE ENERGY

2% of Puerto Rico's energy is from renewable energy today, despite current law requiring 12%. Multiple agencies have announced more ambitious goals, including PREPA's fiscal plan of 39% renewables by 2023, and PROMESA's target of 50% by 2040.

- How realistic are any of these targets?
- Is Puerto Rico on a path to ramp up deployment of solar + storage quickly?
- Should this new solar generation be primarily utility scale, or distributed generation?
- Is the utility ready to embrace this scale of change to the grid? Why, or why not?

Ricardo Ramos (former CEO, PREPA), Samy Esayag (Yarotek), Efran Paredes (PREPA), Marc Roumain (Windmar)

- Moderator: Carlos Fernandez-Lugo (McConnell-Valdes)

11:05 - 11:35am

MORNING BREAK

11:35– 12:15pm

DISTRIBUTED GENERATION AND THE UTILITY

How will the rapid advance of new solar generation interact with the central electric systems and grid operators?

- Should all distributed generation offer the ability to disconnect from the central grid?
- What threshold of distributed generation significantly affects the utility?
- What incentives or policies should be implemented for the installation and operation of distributed systems?

Ani Backa (Sonnen), Ricardo Ramos (former CEO, PREPA), Andrea Ruotolo (Advisian)

- Moderator: Carlos Fernandez Lugo (McConnell-Valdes)

12:15 – 1:15pm

LUNCH (1st Floor, Caribbean Ballroom)

1:15 – 1:30pm

THE GOVERNOR'S ENERGY POLICY [Spanish]

Francisco J. Rullán Caparrós, (Executive Director, State Office of Energy Policy)

1:30– 2:10pm

SOLAR DONE SAFELY [Spanish]

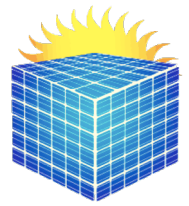
- What are elements of good and bad solar + battery installations?
- What policies should be in place to ensure that installed systems are sufficiently resilient to the effects of natural disasters?
- How resilient were residential and utility scale installations in the Caribbean during the 2017 storm season? How much could these results be improved prior to the next hurricane?

Hon. Angel Matos Garcia (Puerto Rico Representative), Edward Previdi (ACONER)
- Moderator: Angel Zayas (AZ Engineering)

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2:10 – 2:40pm

THE STATE OF ISLAND ENERGY RESILIENCE

Resiliency reports have just released from a variety of federal perspectives – including the Department of Energy, Rocky Mountain Institute, Lawrence Berkeley Labs, and FEMA. We are looking under the hood at all these studies and what they can reveal to us about the state and future of resilient energy in Puerto Rico.

Joe Cain, P.E. (Solar Energy Industries Association)

2:40– 3:00pm

AN INSIDE LOOK AT THE DEPARTMENT OF ENERGY'S NEW REPORT ON PUERTO RICO

The Department of Energy recently released a report called “Energy Resilience Solutions for the Puerto Rico Grid”. How does this report envision the future of energy in Puerto Rico? How might this report direct federal and local funds?

Michael Pesin (Department of Energy)

3:00– 3:10pm

ENVISIONING A NEW MAP OF ENERGY FOR PUERTO RICO

What design methodologies should be applied for a successful restructuring of Puerto Rico’s energy distribution systems?

Tristan Jackson (Advisian)

3:10 - 3:40pm

AFTERNOON BREAK

3:40 – 4:10pm

IMPLEMENTING SUSTAINABLE DESIGN

[Spanish]

- What are the best ways to incorporate sustainable design to Puerto Rico for all types of buildings?
- How do the concepts of sustainable design interface with “resilient design?”
- How can sustainable design facilitate distributed energy generation, and vice versa?

Ricardo Álvarez-Díaz (Álvarez-Díaz & Villalón)

Sol Room

3:40 – 4:30pm

MICROGRID BUSINESS MODELS

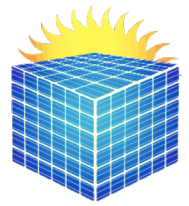
An audience-interactive discussion led by Rocky Mountain Institute on customer preferences and various microgrid financial and operational structures

*Connor Cox (Rocky Mountain Institute),
Resilient Power Puerto Rico, Maximo Torres
(Maximo Solar Industries)*

Solar + Energy Storage Association of Puerto Rico

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4:30 – 5:30pm

SOLAR HUMANITARIAN SHOWCASE

A series of presentations demonstrating all the work that nonprofit organizations have done with renewable energy in Puerto Rico.

- How have nonprofit efforts been able to facilitate the development of renewable energy in Puerto Rico?
- How can nonprofit energy projects fill the gaps of for-profit companies to address all the energy needs of Puerto Rico?
- How can nonprofit efforts be structured to operate sustainably and long-term on the island?

Presenters: Jan Curet (Resilient Power Puerto Rico), Adam Gentner + Jose Garcia (Pura Energia/Sonnen), Alejandro Uriarte (New Energy), Maximo Torres (Somos Solar).

5:30 – 7:00pm

BEACHSIDE RECEPTION

7:30 – 9:30pm

DINNER GROUPS (CALLE LOIZA)

Sol Room

4:30 – 5:30pm

MICROGRID TECHNOLOGIES SHOWCASE

A series of presentations, each sharing their experiences on a few matters.

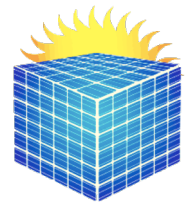
- What are the necessary component technologies of a microgrid? What technologies are “tried-and-true”, and which are still in development?
- What is the best way to manage energy distribution in a microgrid?
- What makes a microgrid technology scaleable?

Presenters: Paul Pauze (Innovus Power), Ryan Hamilton (Pika Batteries), Jay Hasty (BoxPower), Jesus Martinez-Cantu (SMA), Ruben Dagstanyan (Tabuchi Electric)

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TUESDAY, JUNE 26TH

8:30 – 9:30am

REGISTRATION & LIGHT BREAKFAST

9:30 - 9:35am

WELCOME FROM SESA

9:35 – 10:00am

ROLE OF PUBLIC-PRIVATE PARTNERSHIPS FOR RENEWABLES IN PUERTO RICO

How should public and private ownership of Puerto Rico's energy resources best interplay to promote the renewable energy transformation of Puerto Rico?

Omar Marrero (Puerto Rico Public-Private Partnerships Authority)

10:00 – 10:20

PREPA'S INTEGRATED RESOURCE PLAN: WHAT YOU NEED TO KNOW

PREPA has engaged key stakeholders on the future of the energy grid in Puerto Rico as part of an IRP (Integrated Resource Plan). Smart Electric Power Alliance shares experiences from the first round of stakeholder meetings.

Topics covered will include:

- What an IRP is and is not
- What is unique about Puerto Rico's IRP
- How to get involved in stakeholder meetings

Tanuj Deora (Smart Electric Power Alliance)

10:20 - 10:50am

MORNING BREAK

10:50 - 11:20am

PACE FINANCING: POSSIBLE FOR PUERTO RICO?

35 states have passed PACE (property-assessed clean energy) legislation. This policy allows municipalities to finance 100% of the costs of renewable energy and energy efficiency for homes and businesses.

- Does PACE have promise for Puerto Rico?
- What are the critical differences between Puerto Rico and the other markets where PACE has been implemented?

Cisco Devries (Renew Financial, founder of original PACE policy)

11:20 – 11:50pm

FEDERAL FUNDING FOR A RESILIENT REBUILD

With \$20B in HUD money coming to assist in the rebuilding process of Puerto Rico, what resources will be available for solar and energy storage projects?

- How can federal funding be leveraged, both efficiently and equitably for energy projects, for the benefit of all Puerto Ricans?

Dennis Gonzalez (Puerto Rico Department of Housing)

11:50 – 12:20pm

DISTRIBUTED ENERGY: THE ROLE FOR MUNICIPALITIES [Spanish]

A discussion among municipal leaders about the next steps needed to promote distributed generation, microgrids, and renewable technologies in their districts.

Hon. Luis Javier Hernandez (Mayor, Villalba), Hon. Carlos Delgado Altieri (Mayor, Isabela), Hon. Julia M. Nazario (Mayor, Loiza)

- Moderator: Oscar Ruiz (Sail Relief)

12:20-12:45pm

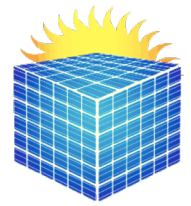
KEYNOTE SPEECH

Hon. Eduardo Bhatia (Puerto Rico Senate Minority Leader)

Solar + Energy Storage Association of Puerto Rico

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12:45 -1:45pm

LUNCH

1:45 - 2:30pm

BRINGING THE CAPITAL TO FUND RENEWABLES IN PUERTO RICO

A wide-ranging discussion of the financial markets for investment in renewable energy in Puerto Rico.

- How do investors and financiers look at risk in the Puerto Rican energy markets? What risks are relevant to renewable energy in particular?
- How can finance be used to create equitable and balanced benefit to all Puerto Ricans? Can you have beneficial “impact investing” that doesn’t sacrifice the ROI?

*Participants: Sandra Kwak (10Pwr), Matt Cheney (Cleanpath Ventures), Prasad Gullapalli (Srinergy).
-Moderator: Tom King (Cross-River Capital)*

2:30– 3:15pm

CLEAN ENERGY MODELS AROUND THE WORLD

A discussion of energy models and market structures from around the world, ranging from California, Germany, Japan, Hawaii, and developing countries, and the lessons which might be adopted by Puerto Rico.

*Adam Gentner (Sonnen), Lewis Milford (Clean Energy Group), Chris Johnson (Blue Planet Energy)
- Moderator: Chris Rauscher (Sunrun)*

3:15 – 3:45pm

NETWORKING BREAK

Sol Room

1:45 – 2:15pm

ENERGY EFFICIENCY: THE FORGOTTEN PIECE OF THE EQUATION?

While most of the focus in Puerto Rico has been on the electric generation side of things, improving energy efficiency remains one of the most feasible and impactful steps Puerto Rico can take in improving its energy system on the large and small scale. A presentation on what some of the next steps in energy efficiency might look like here on the island.

Jorge Molina (President - ASHRAE PR Chapter, Ex. Director - PR-EESA)

2:15– 2:30pm

DEMAND RESPONSE

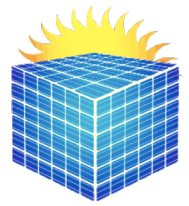
Utilities can reduce costs by interfacing with businesses and their energy consumption habits through programs such as demand-response. These sorts of programs have been utilized in many states, but what sort of possibility do they have for Puerto Rico?

Jezabel Rodriguez (Small Business Association)

Solar + Energy Storage Association of Puerto Rico

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3:45 – 3:55pm

PRACTICAL CHALLENGES IN MICROGRID DEVELOPMENT

After the hurricane, some organizations raised money to deploy solar power right away. What worked? What didn't?

Arnaldo Cruz (Foundation for Puerto Rico)

3:55 – 4:20pm

MICROGRID RULES: TAKEAWAYS

With the microgrid rules released and finalized, the question is what's next for microgrid development in Puerto Rico?

Ángel Rivera de la Cruz, PE, Esq. (Associate Commissioner, PREC)

4:20 – 4:35pm

CAMPAIGNING FOR ENERGY INITIATIVES 101

An experienced campaigner and legislative expert offers her perspective on the fundamentals of planning and executing effective advocacy plans.

Sarah Hunt (Director, Center for Innovation and Technology)

4:35– 5:15pm

YOUR POLICY PRIORITIES & DETERMINING NEXT STEPS

An interactive session from Rocky Mountain Institute and SESA to help determine what are the legislative priorities and most pressing action items to ensure a positive transformation on energy in Puerto Rico.

Presenters: Mark Silberg (Rocky Mountain Institute), PJ Wilson (SESA-PR)