



AEG Thought Summit 2022 (ATS22)

22 - 25 Feb 2022

Poll results

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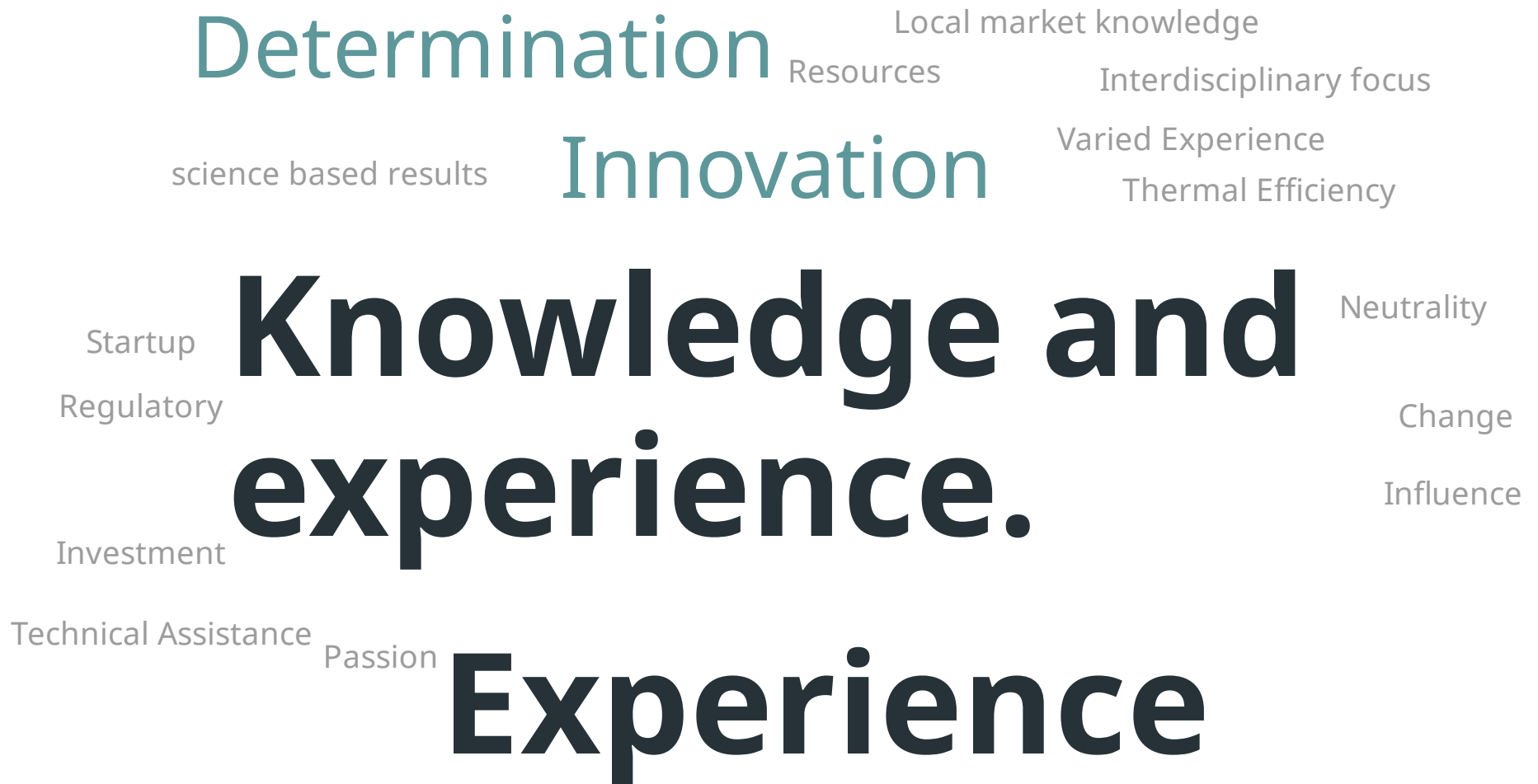
Day 1 - What is the most important issue to discuss today?

030



Day 1 - What unique resource do you bring to this discussion?

027



049

Regarding Critical Infrastructure, Equity and Resilience, for Puerto Rico to achieve its clean energy and equity goals, a critical obstacle to collaboratively overcome is...

"Lowering energy costs, workforce constraints, bureaucracy, and entities coordination." - Francisco Berrios Portela, DDEC

 65 %

"The lack of an educational campaign on the importance and benefits of this issue to inspire key leaders to prioritize greater collaboration towards the Complete Streets implementation plan." - Eileen Velez-Vega, Commonwealth of Puerto Rico

 18 %

"Coordination of all stakeholders to facilitate ownership and operation of electric vehicles." - Don Cortez, LUMA Energy

 16 %

054

Regarding critical infrastructure, to achieve clean energy, equity and resilience objectives, a critical obstacle to collaboratively overcome is...

"Accurate and timely measured data regarding the energy burden and energy insecurity experienced by Puerto Rico's ratepayers." - Shalanda Baker, U.S. Department of Energy



"Creating secure, connected, and sustainable public building infrastructure." - Lisa Brown, Johnson Controls



"Leveraging nexus between clean energy and clean water." - Kishia Powell, DC Water



"PREPA's bankruptcy." - David Owens, PREPA



Regarding Critical Infrastructure, Equity and Resilience a critical obstacle to collaboratively overcome is...

(1/2)

"The "gridy" solutions to an inherently decentralized problem." - Marcel Castro-Sitiriche, UPRM

 11 %

"To implement a bankable project structure to enable access to commercial debt for utility-scale renewable energy projects to increase competition and lower the cost of electricity." - Michael Grimm, U.S. Department of Energy

 64 %

"Resilience improvements need to catch up and outpace the increasingly frequent impact of natural events. Resilience is the predecessor of grid modernization and decarbonization." - Alexandre Nassif, LUMA Energy

 11 %

Regarding Critical Infrastructure, Equity and Resilience a critical obstacle to collaboratively overcome is...

(2/2)

0 4 4

"The lack of integration of resilience into the culture." - Maretzie Díaz Sánchez, Puerto Rico Department of Housing

 14 %

Regarding Critical Infrastructure, Equity and Resilience a critical obstacle to collaboratively overcome is...

"Engineering Projects that requires business translation and Collaboration & Learning." Mariette Sanchez, MDM Consulting, LLC & Loren Ferre Rangel, Grupo Ferre Rangel

 24 %

"The lack of a streamlined process to support the widespread development of microgrids." - Erik Anderson, Ameresco

 33 %

"The lack of access to affordable financing, technical assistance, and capacity building for solar plus storage microgrids at community critical facilities." - Nathaniel Buescher, Rocky Mountain Institute

 42 %

Regarding Critical Infrastructure, Equity and Resilience a critical obstacle to collaboratively overcome is...

"The prevalent resistance to being active partners in & advancers of emerging, more resilient & sustainable solar hybrid microgrid technologies." - Miguel Torres-Diaz, WSP

 11 %

"To make costs of decarbonization installations in line with what is normally done." Edwin Mendez, NYCHA

 8 %

"Leverage collaboration between stakeholders and technologies." - Soren Varela, S&C Electric Company

 16 %

"Coordination between Government, Utility and Private Sector to achieve shared goals." - Roberto Muniz, ELM Companies

 65 %

As a Critical Operator, to achieve clean energy, equity and resilience objectives, a critical obstacle to collaboratively overcome is...

(1/2)

"Creating an expedited and effective process in which the manufacturing sector can submit and interconnect new generation and/or renewable energy projects to the grid." - Eduardo Rivera, Medtronic

 33 %

"To seek political power for the power itself; and not to use it to make the necessary investments and transformations in our critical infrastructure - in the adequate time- with the objective to always be a competitive jurisdiction." - Joel Piza, PRPA

 5 %

"The availability of natural gas for flexible and dispatchable base load generation, and pathways to decarbonize via hydrogen or renewable natural gas." - Juan Macias, AlphaStruxure

 19 %

As a Critical Operator, to achieve clean energy, equity and resilience objectives, a critical obstacle to collaboratively overcome is...

0 2 1

(2/2)

"Coordinating & establishing strong partnerships between the public and private sector to achieve resilient and sustainable goals for the betterment of our infrastructure." - Jorge Hernandez, Aerostar Airport Holdings, LLC



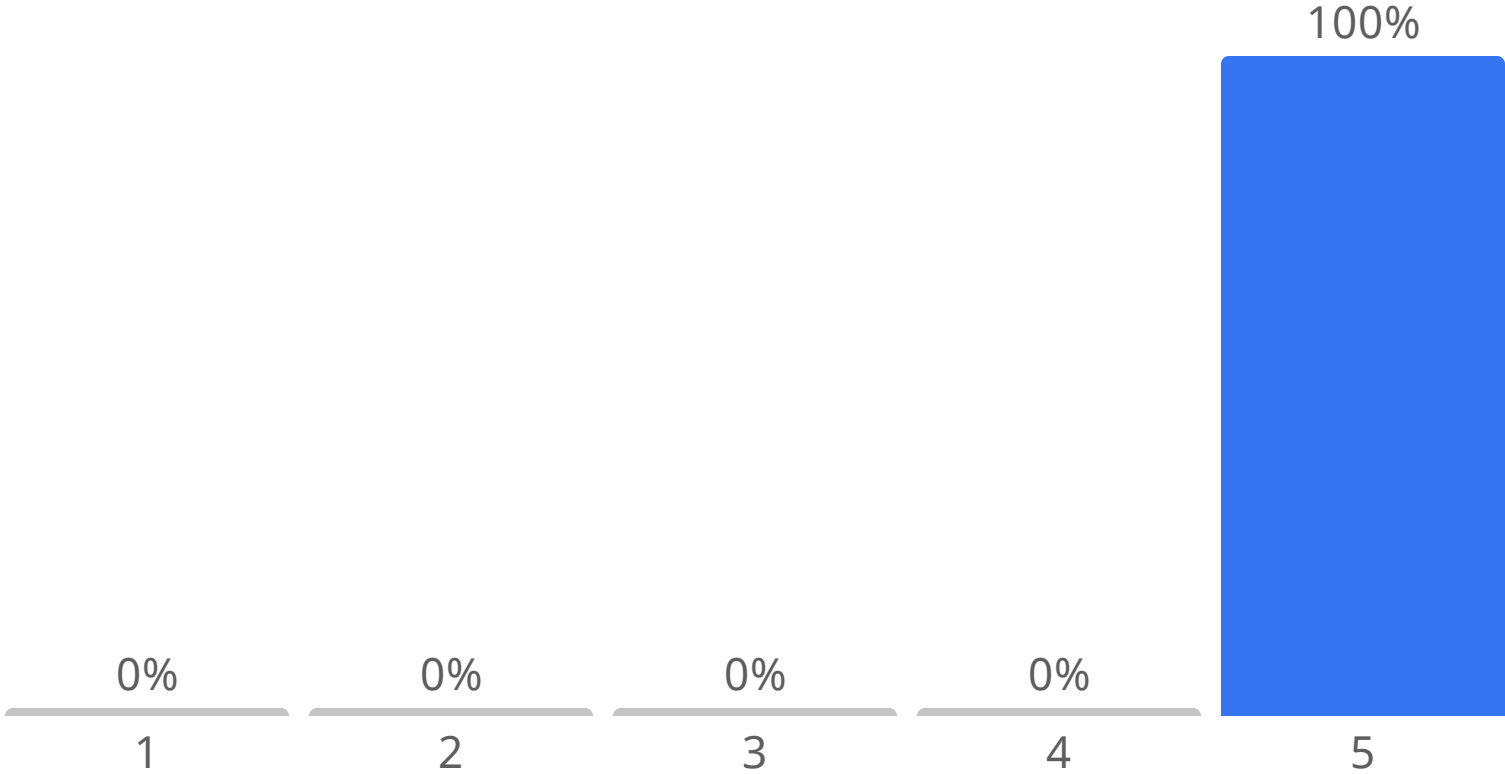
VOTE	12 Month SOLUTIONS
20	Table 5: Create an Energy Industry Day to bring technology firms together with gov and utility agencies to present requirement/needs and latest industry trends M1 Gather list of presenters. M2 coordination M3 have event
19	Establish a coordinating body to provide action for an affordable, reliable, resilient modern grid. M1: Identify the Coord. Body members. M2: Funding for convening body. M3: outreach campaign to interested and key entities. M4: plan & overview - Table 5
16	Launch competition to show the way to Puerto Rican energy future/goals. 1. define rules, categories, metrics, judges 2. Advertise, educate 3. Plan annual Energy festival in January & award 'three kings of energy' (residential, commercial, government)
15	Table 8: Public Private Collaboration (Steering Committee) to establish framework for local Workforce Development. M1: Find Stakeholders M2: Set Roadmap for success (audience, key target areas) M3: ID sources of funding
12	Job training program in collaboration with mayors in order to address the shortage of workers for the Puerto Rico Recovery to improve the qualifications of personnel that will contribute to the goals of reducing energy costs and improve mobility. - Table 9
8	T8.Case study of micro grid project for alignment b/w stakeholders for deployment to vulnerable communities to increase resiliency and energy equity. M1.Case study+concept design. M2.Influence stakeholders to expedite permitting process. M3.Execute.
7	Establish a subcommittee of stakeholders engage with the DOE TCT to move forward the energy transformation. 1Q- Select key members Private sector 2Q- Establish the baseline on capabilities 3Q- set projections, goals 4Q - fill the gaps and move forward
6	Develop a proposal for an pilot project prioritized based on existing social burden metrics/identified vulnerable communities for funding and implementation. M1-Define critical assets, equity based outcomes, and protection . M2 - stakeholders m3- fi
6	To overcome Collaboration: a series of pilot projects to deploy solar power to undeserved communities to demonstrate the the technology and provide actual power to people in need. M1 Convine decision makers. M2 Identify locations. M3 Green light
5	Create workforce development and labor strategy to resource upgrade/modernization of PR's critical Infrastructure. M1: Indentify/align stakeholders to streamline bureaucracy; M2: Identify Barriers/Solutions; M3: Create Plan with Clear KPIs
5	Create 'Team Puerto Rico' soc media & other engagement platform with regulators, private, govern, utility & public 1. Articulate issues in clear simple terms 2. Set up social media platforms 3. Create online question/task/story 4. Report
4	Alignment for a better Puerto Rico, though stakeholder identification, alignment and action. M1: Stakeholder Identification on AEG conference. M2: Brainstorming sessions M3: Prioritization of consensus issues M4: Consensus agreement
3	#6 How do we increase awareness about the tools that already exist in Puerto Rico to incentivize a clean energy workforce to stay in / come to PR. M1- Inventory existing resources M2- Create consolidated toolbox M3-Conduct marketing/outreach campaign
2	Creative public and private task force to facilitate coordination and collaboration amongst state agencies. M1: define composition of task force; M2: develop a digital integration platform tool; and M3: achieve Act 17 2019. - Table 3
0	Add EV charging to an existing Resilliency Microgrid Project to help launch an education campaign around vehicle electrification and public transit, accessibility and mobility. Incentives for new work force for support of system.

Post Event Survey (1/4)

0 1 8

How likely are you to recommend AEG events? (5 = very likely)

Score: 5.0



Post Event Survey (2/4)

0 1 3

In one word, how would you describe your experience?



Post Event Survey (3/4)

Please leave us a testimonial and include your name.

(1/2)

- Really enjoyed the collaborative interaction. HG is adept at managing a wide range of personalities to focus on goal setting and problem solving. 2gether we can decarbonize Puerto Rico. #decarbonizepr Doug Davis Santurce PR
- Great use of our time to learn and commit to make a difference. Michael Gough
- Fun to hear about PR challenges from table and see the similarities and patterns with our challenges back home
- Great networking.
- The broad range of stakeholders was impressive.
- Day 1 has been a great experience. The conference has been focused on delivering a solution. The sessions have been interactive. The stakeholder representation has been impressive . - Jesse B. Wright-Cortés of Johnson Controls.

Post Event Survey (3/4)

Please leave us a testimonial and include your name.

(2/2)

- The format is refreshing and different. Interaction among others coming up with solutions to energy problems is attractive.
- We were able to break the ice and talk about solutions to real barriers.
-Jay Hasty
- Great networking experience.

Any suggestions?

- Allow more access to virtual viewing and help with community organizing for regular local people. Would be great if non energy industry folks could be aware of what is being discussed.
- Have some collaboration whiteboards available when the task forces get together to facilitate refinement of the solution and document actions/objectives.
- Obstacles cannot be vague and generic
- Some stakeholders seemed to be missing. For instance, involvement of mayors as stakeholders is really important in Puerto Rico. Also the leaders at ACONER the local solar installers group on the island.