



Puerto Rico Energy Week 2023

11 - 24 Feb 2023

Poll results

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- How urgent is solving problems regarding resilience, energy and equity and for Puerto Ricans?
- How satisfied are you with the pace of progress?
- Day 1 - What is the most important issue to discuss today?
- To achieve Puerto Rico's desired future, a key issue to address in 12 months is _____.
- Regarding the electrification of transportation, to achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is...
- Regarding workforce needs, a critical issue to address in the next 12 months is _____.
- Day 2 - What is the most important issue to discuss today?
- To achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is _____.
- Regarding Municipalities, to achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is _____.

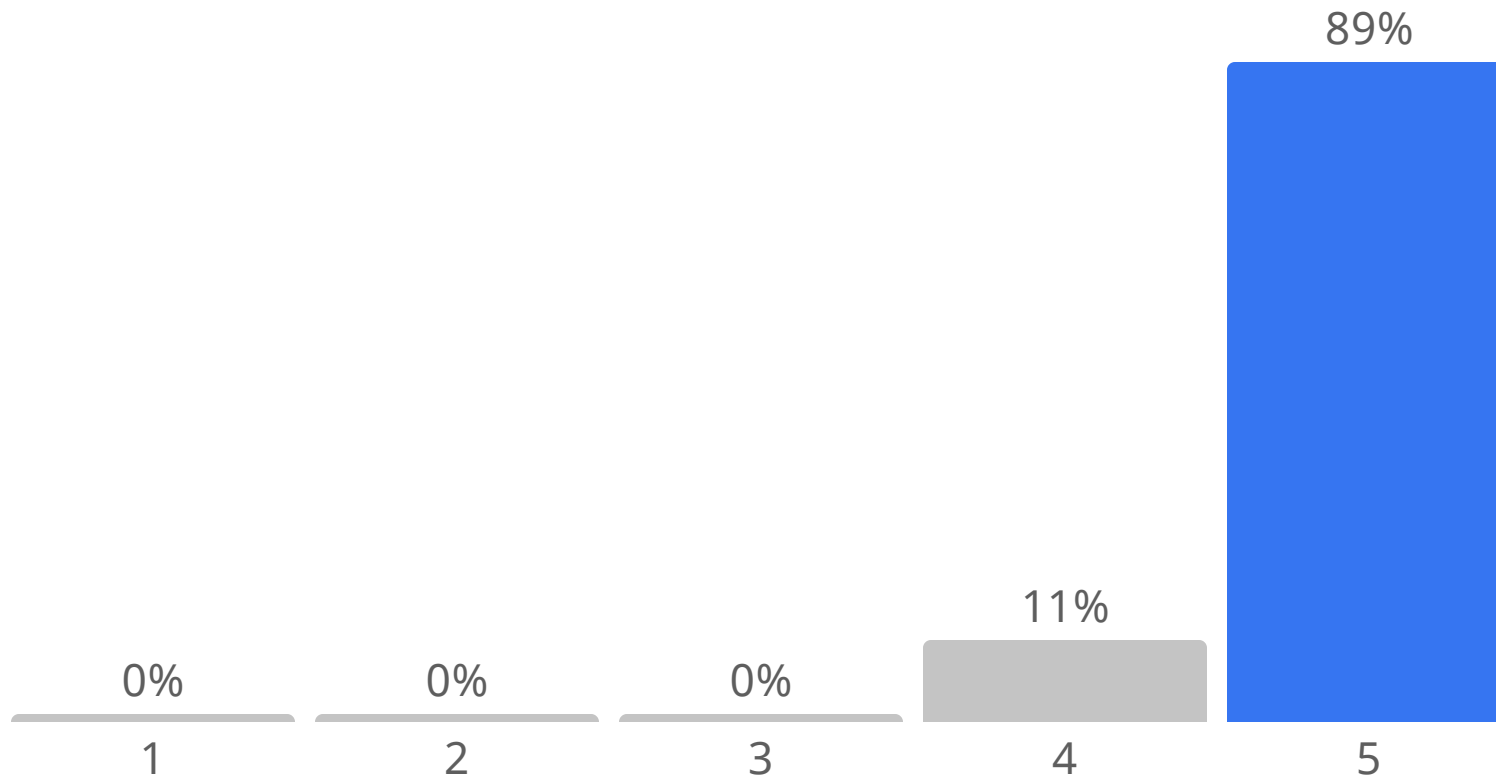
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- Regarding the nexus of energy and water, to achieve Puerto Rico's energy, health and equity goals, a critical obstacle to collectively overcome in 12 months is _____.
- To achieve Puerto Rico's energy security goals, a critical obstacle to collectively overcome in 12 months is _____.
- Regarding communities, to achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is:
- Post Event Survey
- What is a North Star metric for equity that gets us playing to win at what matter most?
- Day 2 - Who's willing to volunteer?
- Which Puerto Rico mayors are leading best on resilience, energy and equity?
- PR Community Action Challenge - Who's willing to volunteer?
- PR Community Action Challenge - Who's willing to volunteer?
- PR Cities Stakeholder Challenge - Who's willing to volunteer?

061

How urgent is solving problems regarding resilience, energy and equity and for Puerto Ricans?

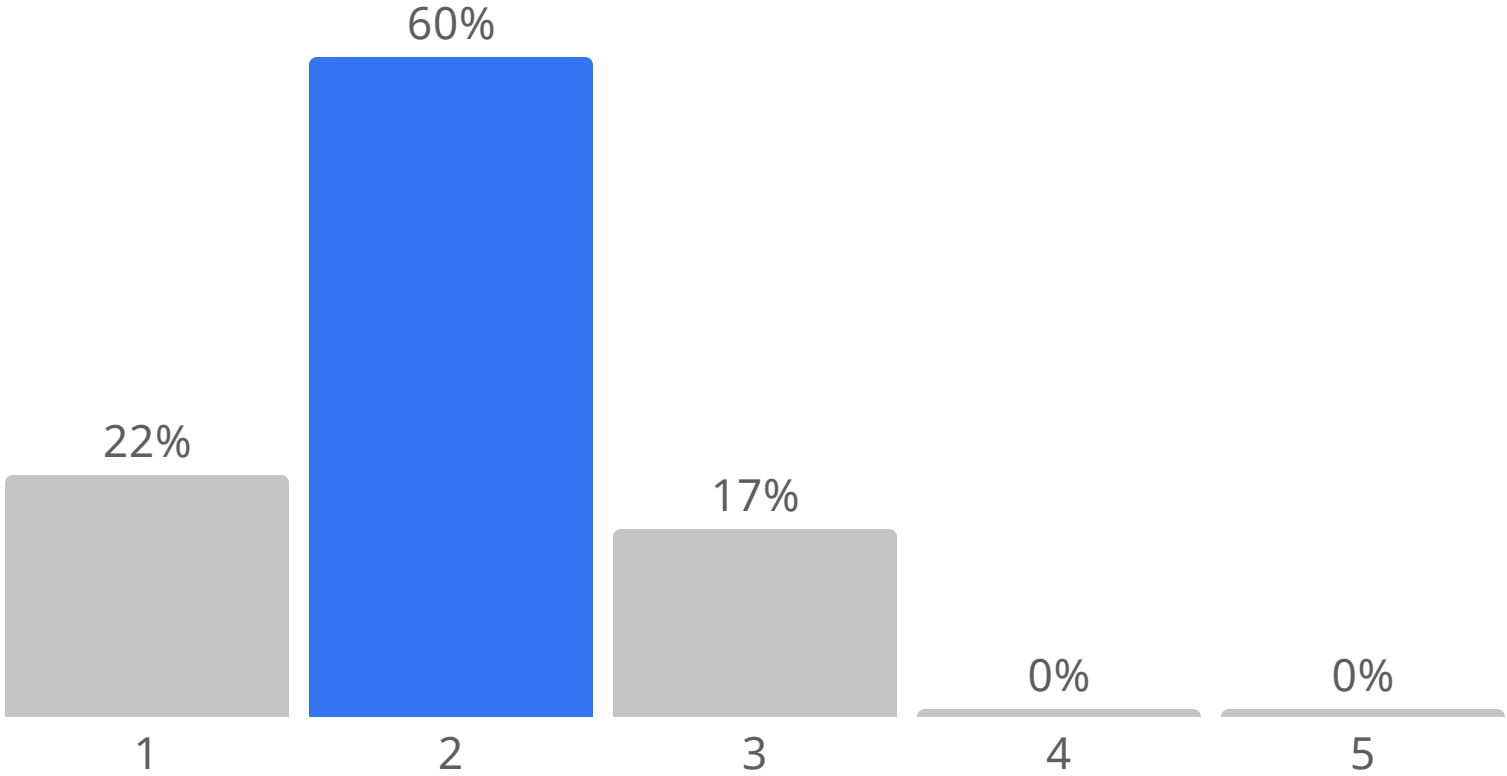
Score: 4.9



How satisfied are you with the pace of progress?

063

Score: 2.0



To achieve Puerto Rico's desired future, a key issue to address in 12 months is _____.

063

"Increase stakeholder engagement, bring more technology to the island and establish policies that will benefit Puerto Rico." - Maria Hilda Rivera, LUMA Energy



"Coordination." - Juan Carlos Perez Bofill, PR Department of Housing



Energy Strategies for Owner/Operators - Mariette Sanchez, Xcala Strategies



"The agility to coordinate the procurement of equipment and services in order to achieve resilient and sustainable goals for the betterment of our infrastructure." - Guillermo Gil Díaz, Aerostar Airport Holdings



Regarding the electrification of transportation, to achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is...

003

"Education." - Ignacio Diaz, Glenn International



"Future Load Forecasts, Advanced Metering Infrastructure (AMI), Distribution System Constraints, Controllability and Communications." - Commissioner Ferdinand Ramos, PREB



"Collaboration." - Robert Vargas



Regarding workforce needs, a critical issue to address in the next 12 months is _____.

0 3 2

(1/2)

"High turnover and lack of skills resulting in improper installations (Solar Workforce)."- Carlos Velasquez, IIREC

 6 %

"Installer Financing." - Thomas King, Fundacios Borincana

 3 %

"Add workers and professionals to the industry for construction projects." - Carlos Rodriguez, AGC PR

 13 %

"Providing affordable and reliable energy, transportation and housing options to help businesses attract and retain the best talent, and ensure their workforce is productive and successful." - JB Cuartas, IEM

 28 %

Regarding workforce needs, a critical issue to address in the next 12 months is _____.

0 3 2

(2/2)

"The importance of establishing a Grassroots Effort." - Joe Sarubbi, IREC



- Ana Laura Miranda, ConPRmetidos



"Finding a way to expand the number of training programs in the energy sector." - Christian Carlo, Departamento de la Vivienda



Day 2 - What is the most important issue to discuss today?

036



To achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is _____.

0 4 4

"Collaboration."- Maretzie Díaz Sánchez, PR Department of Housing



"The design of a \$1B federal program that can be quickly implemented, stakeholder informed, and utilizes innovative financing mechanisms to maximize available funding." - Marisol Bonnet, US DOE



"Challenge pre-existing assumptions and conceptions with data-based arguments." - Manuel Laboy, COR3



Regarding Municipalities, to achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is _____.

"For municipalities to renew their ministerial statement, activate themselves as a key participant of the island's energy resilience goals and endeavor to make their constituents stakeholders in Puerto Rico's energy future." - Randy Freeman, Antilles



"The overregulation and government intervention that hinders private sector investments and innovation in energy-efficient equipment and renewable energy projects." - Dr. Leonardo Valentin, Professional Hospital Guaynabo



"Streamlining permitting and bureaucratic processes." - Emilio Colon-Zavala, ECZ Group



0 1 9

Regarding the nexus of energy and water, to achieve Puerto Rico's energy, health and equity goals, a critical obstacle to collectively overcome in 12 months is _____.

"Energy Optimization Master Plan." - Joel Lugo, PRASA



"How to facilitate and deliver the overall benefits from Federal investments in water and clean energy infrastructure to disadvantaged communities in Puerto Rico." - Carmen Guerrero Pérez, US EPA



To achieve Puerto Rico's energy security goals, a critical obstacle to collectively overcome in 12 months is _____.

0 2 2

(1/2)

"Recognize the transition of the ESF-12 membership from a purely gov't structure to a dynamic PPP dictating changes on how the partnership shares information & make decisions that benefit customers of the Puerto Rico electric grid" - Michelle Fraley, LUMA

 50 %

"Continue fostering the ESF 12 working Group meetings, 2023 Hurricane Season Impacting Energy Critical Infrastructure & Fuel Contingency Planning and Distribution." - Orlando Olivera, FEMA

 18 %

"The siloed security functions. We need to integrate both worlds by converging security functions. View and manage cyber and physical security as one." - N'Gai Oliveras, US DHS

 18 %

To achieve Puerto Rico's energy security goals, a critical obstacle to collectively overcome in 12 months is _____.

(2/2)

0 2 2

"Address the main electric generation challenges." - Pedro Martinez, EcoEléctrica

 14 %

Regarding communities, to achieve Puerto Rico's energy, resilience and equity goals, a critical obstacle to collectively overcome in 12 months is:

"Staying engaged and informed." - C.P. Smith, Cooperativa Hidroelectrica de la Montaña



"Proveer a las comunidades el apoyo necesario para que desarrollen su organización comunitaria con el fin de dar pié a los proyectos de resiliencia energética/Provide communities with support to develop energy resilience projects" - Loraima Jaramillo, IRE



"Understand the needs of communities in different regions of Puerto Rico and ensure that these are covered in the programs that are being created with federal funds." - Jonathan Castillo Polanco, Hispanic Federation

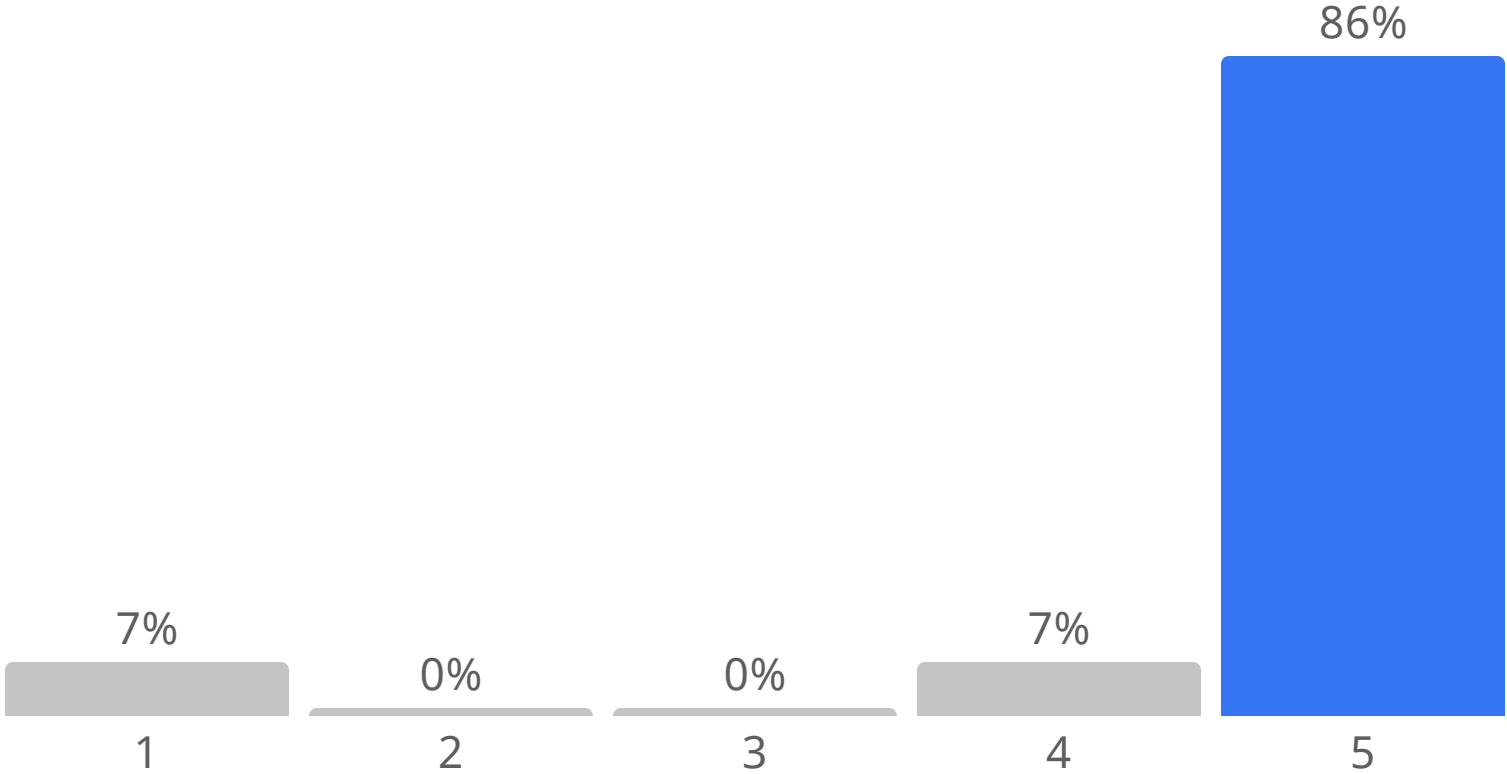


Post Event Survey (1/4)

0 1 4

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

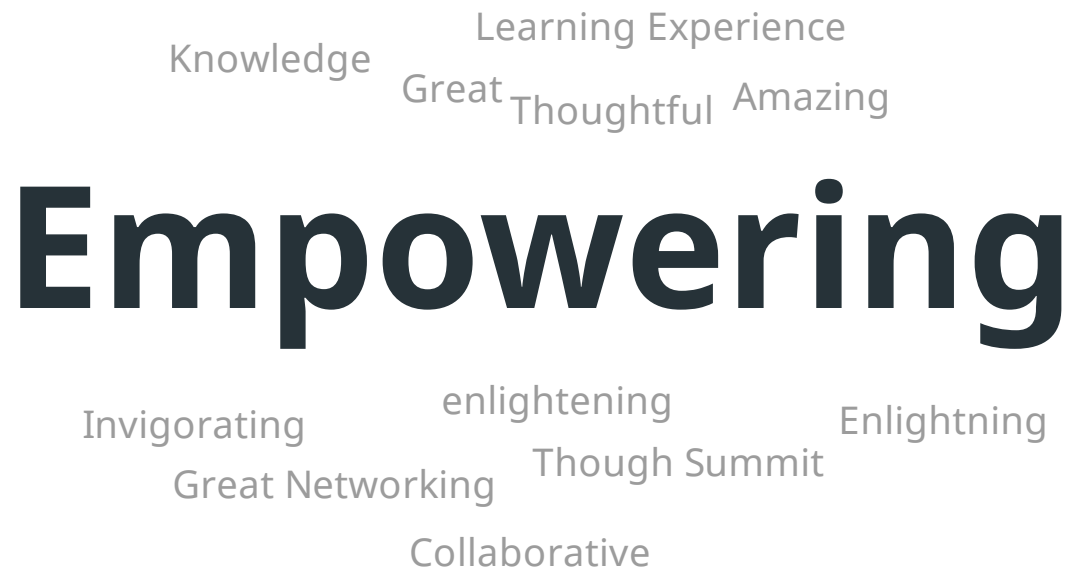
Score: 4.6



Post Event Survey (2/4)

0 1 3

In one word, how would you describe your experience?



Post Event Survey (3/4)

0 1 0

Please leave us a testimonial and include your name.

(1/3)

- HG is a great catalyst for and facilitator of collaborative thought. Javier Rúa
- Los paneles trataron los temas más retantes e importantes de la transformación eléctrica de Puerto Rico. Gracias.
- As someone whose professional background is in Finance and Wealth Management, I'm so appreciative of everyone's willingness to explain their processes, business models, and vision for Puerto Rico while opening doors for our technology (Batricity) here in Puerto Rico Jason William Negron
- a rewarding learning experience for professional and personal development. Jeanne Deliz López
- Increíble networking and great topics & necessary goals and objectives highlighted. I believe the

Post Event Survey (3/4)

0 1 0

Please leave us a testimonial and include your name.

(2/3)

- timeline established are unrealistic, but will monitor performance and traction to complete tasks.... Ignacio Díaz.
- I came with little to no notice and I have been exposed to new ideas and programs that are currently going on with the revitalization of PR and how the process of action plans work.
- Great logistics and selection of speakers and topics. HG Ang Jess,
- not great but excellent work guys. Carlos Tejera
- It is one of the most professional, compromised and hands on conference. Edwin Acevedo Rivera, MEM
- This event helps motivate and encourages developing a pathway for improvement on current events and industry challenges
- I have seen the efforts of the AEG Challenge

Post Event Survey (3/4)

0 1 0

Please leave us a testimonial and include your name.

(3/3)

pay off in invaluable ways, but the biggest benefit is meeting diverse stakeholders exactly where they are and then labor together for a shared solution of succes!

Post Event Survey (4/4)

009

Any suggestions? (1/2)

- I think there could be a little less diplomacy and more accountability regarding some Commonwealth of PR agencies that have had no tangible impacts in the resilient renewable energy space, despite substantial federal funding commitments, and even with a Democratic White House trying to push resources out the door. Time is running out.
- More community participation. More attention to the education subject. And I don't know if it is possible to bring the sociological impact related to the hurricanes (lack of electricity and the impact on mental health) This was a wonderful week! Mariana García- Justicia Energética
- Next Energy Week 2024 should be in Ponce because that a good location to have the participants to go on a tour to a community in need of assistance.
- Keep the interactive action plans
- Maybe consider sino Ted Talks type sections

Post Event Survey (4/4)

009

Any suggestions? (2/2)

- It has to be repeated next year!!!
- Including more local community leaders and endusers to be part of the conversations and development of deliverables.
- For PR Energy Week next year, I'd love the opportunity to have a site visit to a few of the communities that need the most investment.
- Leave the Thought Summit as an exclusive event and open up the others to more accesible tickets

which will draw larger crowds. Also liked the format/room of last years Wednesday night event much better.

What is a North Star metric for equity that gets us playing to win at what matter most?

0 2 4

(1/2)

- Consistency
- Equal access
- Increase resilience for LMI communities
- Equity
- Special needs
- We need to develop a robust, sustainable and affordable to everyone energy/power system that will boost the economic development of the island and, at the end, create better opportunities for everyone and equal accessibility to growth.
- Diversity and Inclusiveness amongst owners and operators in the decisions being made for communities
- Equal access at equal cost to resources.
- Regenerative
- Saying yes to the needs of the community
- Equal access to reliable, resilient, affordable and clean energy
- .
- Efficiency
- Affordable energy

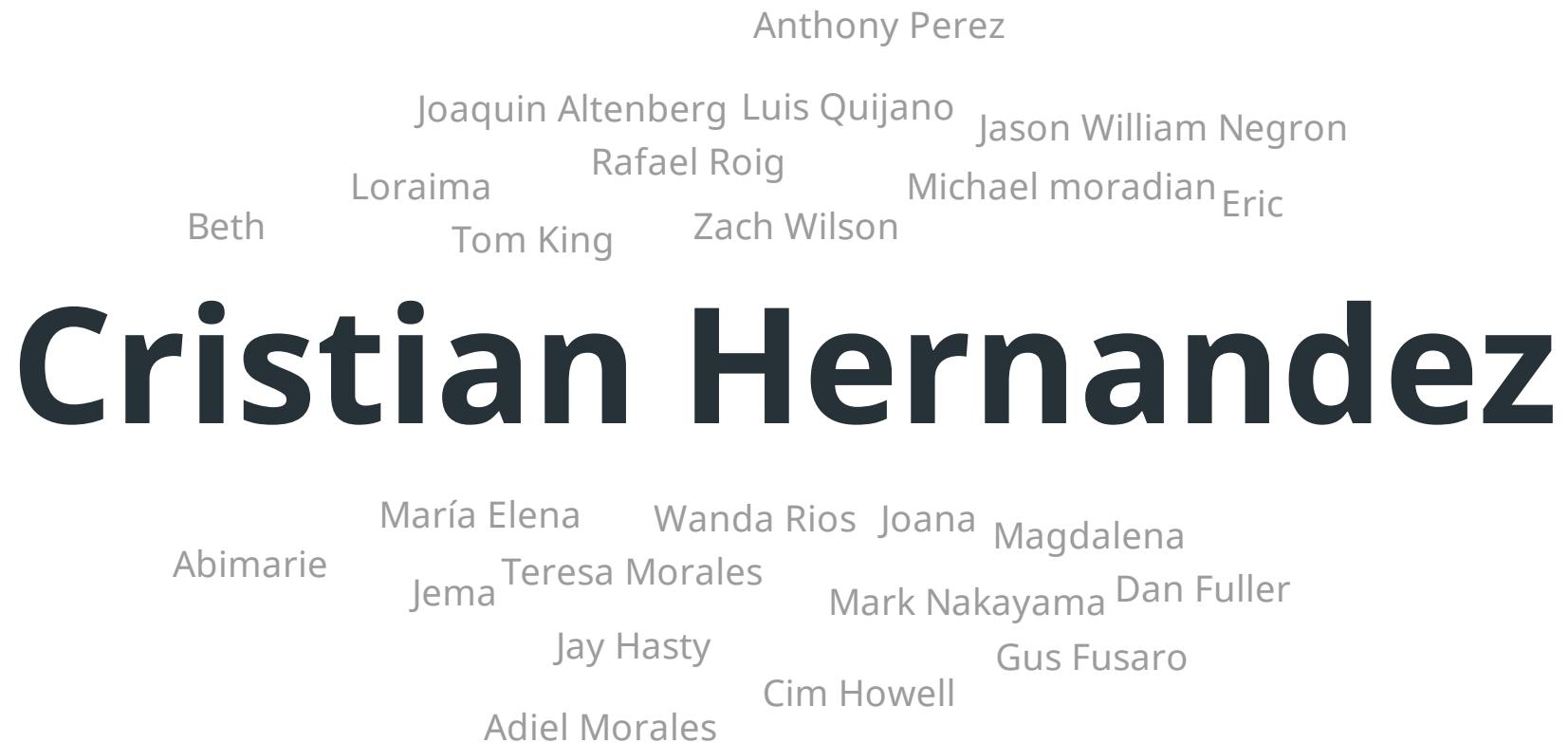
What is a North Star metric for equity that gets us playing to win at what matter most? (2/2)

0 2 4

- Clear visibility of most vulnerable and a breakdown of the needs.
- How can we provide the same access with no barriers
- Option
- by providing reliable, consistent, dependable energy with a defined plan for lowering costs every 12 months by at least 10%.
- Having equal opportunity for the privilege and unprivileged.
- Good paying jobs in the RE field
- Constant Power day by day, measured
- Energy/water \$ burden for all family households
- Affordable reliable energy for all
- Opportunity availability
- Same benefit to all
- MWs installed

Day 2 - Who's willing to volunteer?

0 2 5



Which Puerto Rico mayors are leading best on resilience, energy and equity?

005

Gardy Colón Orocovis

Luis Javier Hernández

Ramon Hernandez - Juana D

San Sebastian Major

Miguel Romero Edward O'Neill

Luis Javier Hernández Vil

PR Community Action Challenge - Who's willing to volunteer?

0 1 3

Claudia Villar-Leeman
Maria Elena
Abimarie
Cim Howell Mariette Sanchez
Wanda Rios Jemaris Martes
Jeanne López Soleil Thon
C. P. Smith Loraima Jonathan Castillo
Ana Maria Ruiz

PR Community Action Challenge - Who's willing to volunteer?

003

Claudia Villar-Leeman
Wanda Rios
Loraima


PR Cities Stakeholder Challenge - Who's willing to volunteer?

009

Mindy Horowitz
Roberto Muniz Adiel Morales
Jason Negron Soleil Thon
Randy - comment Jemaris Martes
Olga Abinader


Event summary report

Puerto Rico Energy Week 2023

 **Active users**
180


Engagement score **755**

Engagement per user **4.2**

 **Questions**
30

Likes / dislikes **120 / 0**




Anonymous rate **43%**

 **Poll votes**
605




Polls created **19**

Votes per poll **32**

Popular questions

 **Table #2** 0  14 

To ensure we have a successful \$1b funding implementation M1: Mapping and prioritizing beneficiaries M2: Data collection and demand modeling M3: Create a map with the updated information M4: Firsts installs and quickly deployment of projects.

 **Table 1 - Lifting Voices of Communities** 0  14 

Empowering municipalities to know about funding opportunities. M1: Identify community 15 leaders, M2: Engage majors to support leaders, M3: Have leaders identify and compile RFP/RFI sources, M4: Training system for municipalities










 **Anonymous** 0  13 

Table 1: M1-Define list of questions for vulnerability index, M2-Find/integrate existing data, M3-vulnerability GIS maps/metrics

 **Table 7 - Build on Success** 0  12 

M1 create collaborative mechanisms for data collection, stakeholder engagement, and outreach M2 Develop capacity building program M3 prioritize greatest need, farthest distance from substation M4 RFP & Award




 **Anonymous** 0  11 




T4: PEOPLE VOICE M1: Use PR100 to identify the island Regions and community leaders. M2: Train the Trainers. M3: Convene Workshop to gather the community needs. M4: Summarize and share information with the government to address specific needs.




Topics








Influential users

 **Table 1 - Lifting Voices of Communities** 2  21 

 **Table #2** 2  16 

 **Table 7 - Build on Success** 1  12 

 **Table 2 - Tiered Permit Study** 1  9 

 **Table 5 - starting small in the South East Communities** 1  6 