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**FOR IMMEDIATE RELEASE**

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# GUAM POWER AUTHORITY (GPA) LEADERSHIP AND VISITING PACIFIC NORTHWEST NATIONAL LABORATORY (PNNL) REPRESENTATIVES MET ABOUT POWER GRID, ENERGY STORAGE AND CYBERSECURITY

(Fadian, Guam) - GPA General Manager John M. Benavente, PE, announced that GPA met with visiting Pacific Northwest National Laboratory (PNNL) representatives, Fleurdeliza De Peralta and Dr. Karl Mueller who's on Guam through March 18, 2023, discussing recent collaborations on several U.S. Department of Energy (DOE) objectives and GPA's Clean Energy Transition.

GPA has had over a year's long partnership with PNNL. GPA and PNNL have partnered on applications for three DOE Funding Opportunity Announcements (FOAs) related to grid services to support increased penetration of inverter-based resources to Guam's electric grid, long-duration (greater than 10 hours) energy storage system, and cyber security.

**On Thursday, March 16, 2023**, PNNL representatives met with GPA Leadership at 10:00 am and then toured GPA's Solar Photovoltaic-PPA partners, the new Ukudu Power Plant construction site, GPA's technology-advanced Hagåtña Battery Energy Storage Systems (BESS) sites and Dededo Combustion Turbines (CTs) from 1:00-5:00PM.

Fleurdeliza De Peralta is a former Guam resident rooted in the Guam experience growing up on island. She is a Senior Advisor in the Risk and Decision Sciences Group at PNNL. Fleur initially reached out to GPA management to introduce PNNL's mission on research involving grid resiliency, cyber security and renewable energy technologies and to discuss DOE funding opportunities, including the Energy Transitions Initiative Partnership Project and grid services.

**GPA's approach to Clean Energy Transition comports with many of the best strategies and uses of technology being developed across the country**. In addition to Clean Energy, GPA also works with PNNL's cyber security experts.

"GPA actively works with the US Department of Energy (DOE) National Laboratories, including PNNL, as a leading center for scientific discovery in chemistry, data analytics, and Earth science, and for technological innovation in sustainable energy and national security," stated Benavente. "We have a history of successful teamwork and grant funding awards that support GPA's commitment to cleaner energy and energy resilience for Guam," added Benavente.

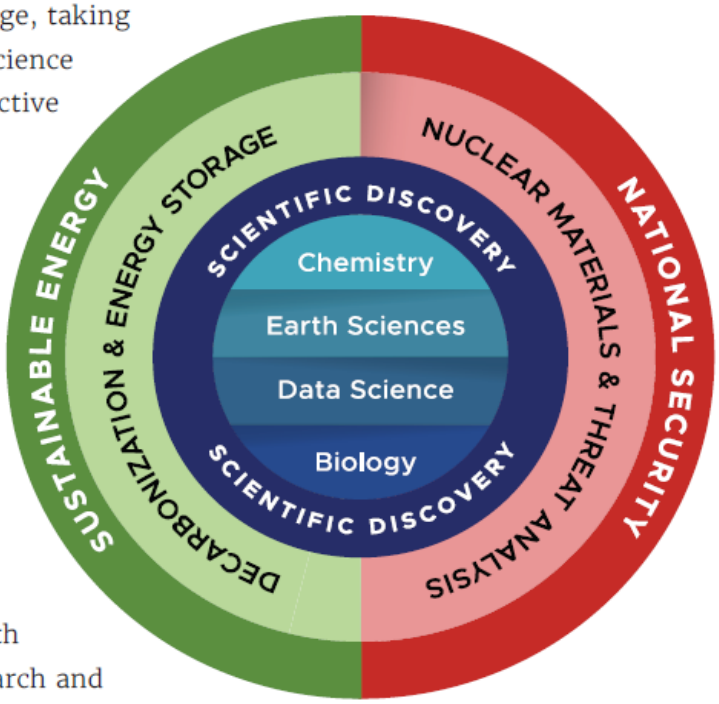
"The DOE National Laboratories have a deep, high-quality pool of research scientists, engineers, tools, and other technical capabilities providing valuable resources for GPA to better solve the challenges for GPA's commitment to produce 50% of renewable energy by 2030 and 100 % renewable energy by 2040," Benavente concluded. PNNL representatives are visiting Guam in advance of participating and presenting at GPA's sponsored track, Guam's Clean Energy Transition program, a two-day pre-conference event of the 2023 UOG Conference on Island Sustainability (CIS) scheduled for April 10-11, 2023 at the Hyatt Regency Guam.

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*Photo caption: Graham Botha, GPA Legal Counsel; Maripaz Perez, GPA Assistant Chief Financial Officer; John Benavente, P.E., GPA General Manager; John Cruz, Jr., P.E., GPA Assistant General Manager of Engineering & Technical Services; Fleurdeliza De Peralta, PNNL; Melvyn Kwek, GPA Chief Information Technology Officer; Joyce Sayama, GPA Communications Manager; Beatrice Limtiaco, GPA Assistant General Manager of Administration*

## PACIFIC NORTHWEST NATIONAL LABORATORY

advances the frontiers of knowledge, taking on some of the world's greatest science and technology challenges. Distinctive strengths in chemistry, Earth sciences, biology, and data science are central to our scientific discovery mission. PNNL's research lays a foundation for innovations that advance sustainable energy through decarbonization and energy storage, and enhance national security through threat analyses and nuclear materials processing. PNNL collaborates with academia in its fundamental research and with industry to transition technologies to market.




## PNNL BY THE NUMBERS

**5,702** (FY22)
Scientists, engineers and professional staff in FY22

**$1.34B**
Research & Development expenditures in FY22

**1,905**
Peer-reviewed, published articles in FY22

**5,526**
Invention disclosures (since 2000)

**3,065**
U.S. and foreign patents (since 1965)

**$30.9M**
in Community investments (since 1965)

**123**
R&D 100 awards (since 1969)

PNNL-SA-144869

**PNNL.GOV**

**Editor's Notes:** GPA's Clean Energy Master Plan (CEMP) is a comprehensive, evergreen plan for transitioning Guam from legacy fossil fuel fired generation to renewable energy and non-greenhouse gas emissions electric energy supply. GPA is committed to providing 50% of the island's electric power from renewable or non-greenhouse gas emissions sources by 2030 and 100% by 2040.