

GUAM CLEAN ENERGY TRANSITION

APRIL 8-9, 2024 HYATT REGENCY GUAM





DAY 1 - APRIL 8, 2024

MAIN BALLROOM GRID TRANSFORMATION & DIGITAL TRANSFORMATION

8:00 AM - 8:20 AM	Guests Arrive		
8:20 AM - 8:30 AM	Opening	GPA AGMETS John J. Cruz Jr., P.E.	
8:30 AM - 8:45 AM	Opening Remarks	Governor Lourdes Leon Guerrero	
8:45 AM - 9:00 AM	Welcoming Remarks	CCU Chairman Joseph T. Duenas	
9:00 AM - 9:15 AM	Other Remarks	PUC Chairman Dr. Jeffrey C. Johnson, DDS	
		GPA GM John Benavente, P.E.	
10:15 AM - 11:05 AM	GPA intends to use novel technologies to improve GPA affordability, resiliency, stability, and reliability while delighting customers	GPA AGMETS John J. Cruz Jr., P.E.	
11:05 AM - 11:55 AM	Guam100 Project Scope and Progress LUNCH	Phil Voss & Murali Baggu, Ph.D.	
1:00 PM - 1:50 PM	Phase IV Overview	Michael Murphy	
1:50 PM - 2:40 PM	Sizing Synchronous Condensers for GPA System BREAK	Edgar Casale, Ph.D.	
2:50 PM - 3:40 PM	GFL versus GFM inverters and how the use of GFM inverters will add stability to the GPA system	Anderson Hoke, Ph.D., P.E.	
3:40 PM - 4:30 PM	Concept of Hierarchical Controls as it relates to GPA's Grid Transformation and applications to other island and large interconnected grids	Tim Allen, P.E.	
SANTA ROSA			
1:00 PM - 1:50 PM	GPA's Medium Range Distribution Study Results	Jaelene Manibusan, E.I.T. & Louis Camacho, P.E	
1:50 PM - 2:40 PM	Sandia Labs and GPA's work on large scale Distribution System Hosted Solar PV Systems: Issues and Solutions BREAK	Brooke M. Garcia, P.E.& Thad Haines	
2:50 PM - 3:40 PM	Citadel's ITC Micro grid Project and partnership with GPA	Jim Beighley	
3:40 PM - 4:30 PM	NREL funded Workforce Capacity Building Project supporting E&TS Succession Planning	GPA AGMETS John J. Cruz Jr., P.E.	
MAGELLAN			
1:00 PM - 1:50 PM	GPA Solar Virtual Power Plant Program	Brian San Nicolas	
1:50 PM - 2:40 PM	GPA's Demand Response Program Progress BREAK	Dan Rueckert, P.E., CISM	
2:50 PM - 3:40 PM	EV Charging Roadmap	James Rosenberg II	
3:40 PM - 4:10 PM	Guam Energy Security Plan	Ashton Raffety	
4:10 PM - 4:40 PM	Energy Security & Grid Resilience to Climate Change	Charles Doktycz, Ph.D.	

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DAY 2 - APRIL 9, 2024

MAIN BALLROOM GRID TRANSFORMATION & DIGITAL TRANSFORMATION

8:00 AM - 8:30 AM	Guests Arrive		
8:30 AM - 9:20 AM	GPWA Communications and how it relates to GPA, GWA, and potentially Guam	GPA AGMETS John J. Cruz Jr., P.E. &	
	Cybersecurity and Guam Broadband	Laurie Tumaneng	
9:20 AM - 10:10 AM	GPA's recent progress in the area of cyber and physical security BREAK	Melvyn K. Kwek, CISA, GICSP	
10:20 AM - 10:45 AM	Industrial Cybersecurity for OT Environments	Chuck Weissenborn	
10:45 AM - 11:10 AM	Energy Security, Resilience, and Response	Matthew Tarduogno & Justin Cooksey	
11:10 AM - 12:00 PM	Guam Energy Security Plan - Cybersecurity LUNCH	George Gamble, PMP, Six Sigma	
1:00 PM - 1:50 PM	Cyber Security Risks for Clean Energy Generation Systems	Fleur de Peralta, P.E.	
1:50 PM - 2:40 PM	GPA's Online Energy Audit Portal, Laying out the Technology Roadmap to Managing GPA Energy Efficiency Programs BREAK	Aaron Savatti	
	PANEL DISCUSSION: Different insights on Clean Energy Transition in Islands		
2:50 PM - 3:00 PM	Power utility perspective	GPA AGMETS John J. Cruz Jr., P.E.	
3:00 PM - 3:10 PM	Renewable developer perspective	Joe Reed	
3:10 PM - 3:20 PM	Control solutions provider perspective	Tim Allen, P.E.	
3:20 PM - 3:30 PM	Clean Energy Transition - An Engineering Outlook	Anupam Gopal	
3:30 PM - 4:30 PM	Q&A	/ http:/// copul	
SANTA ROSA			
8:30 AM - 9:20 AM	GE-GPA concepts for novel STATCOM system to increase GPA system stability in a predominantly Inverter Based Resource Grid	Rajib Datta, Ph.D.	
9:20 AM - 10:10 AM	Grid Services provided by Malojloj BESS including integration of all Utility BESS Sites under Common Control to Manage Grid Services/41 MW Solar PV Malojloj Project BREAK	Zach Taylor, Ph.D. & Laurence Greene	
10:20 AM - 11:10 AM	BPA Cohort I Results	Francois Rogers	
11:10 AM - 12:00 PM	Renewable Integration Pathways for Islanded Systems LUNCH	Logan Weber	
1:00 PM - 1:50 PM	Integration of GPA utility Scale BESS to improve and provide, GPA system resiliency, reliability, power quality, and survivability in a system dominated by IBRs	Tim Allen, P.E.	
1:50 PM - 2:40 PM	Phase IV System Impact Study Methodologies	George Zhou, Ph.D., P.E.	
	DDEAK		

2:50 PM - 3:40 PM GPA-UOG-GEO Energy Auditor Workforce Capacity Building Collaboration

Victor A. Torres



DAY 2 - APRIL 9, 2024

MAGELLAN

8:30 AM - 9:20 AM	Discuss GPA's Energy Efficiency Programs including Energy Sense Rebate Program, UESC Program, BEST Schools Program, We CARE, Guam! Program, Energy Audit Program	Harvey J. Camacho
9:20 AM - 10:10 AM	Showcase DOD Energy Efficiency Projects BREAK	Allison Rutter, P.E.
10:20 AM - 11:10 AM	Discuss GPA new capabilities with new Power System Modeling and Simulation Tools and Capabilities	Randall V. Wiegand Jr. & Louis C. Camacho, P.E.
11:10 AM - 12:00 PM	Discuss the E&TS Digital Transformation Initiative: Work Process Mapping, Implementing Work Processes on MWFMS LUNCH	Christian Chargualaf
1:00 PM - 1:40 PM	Nuclear new-build experience in the EU (large and small plants), current situation PANEL DISCUSSION	Tulkki Ville, D.Sc.
1:40 PM - 2:00 PM	How marine and ocean energy can power a blue economy on Guam	Fleur de Peralta, P.E. & Bastian Bentlage, Ph.D.
2:00 PM - 2:20 PM	Update on Ocean Thermal Energy Conversion Development and Uses	Dr. Andrea Copping
2:20 PM - 2:40 PM	Update on Wave Energy Converters Development and Uses	Jeff Grasberger
2:40 PM - 3:40 PM	Q&A	Fleur de Peralta, P.E., Jeff Dr. Andrea Copping





