

MONDAY APRIL 20 | 8:00AM - 10:00AM

F1. RE PROJECT MANAGEMENT, ENERGY STORAGE & SUSTAINABILITY



F1.1 EXPLORING STEP UP TRANSFORMER CHALLENGES TO ACCOMMODATE PV AND STORAGE

Jaisen Mody, Consultant, JSS Consulting LLC

JSS Consulting LLC



F1.2 RESILIENCE AND ENERGY STORAGE: THE ROLE OF MICROGRIDS

Chris Johnson, COO, Blue Planet Energy

Blue Planet Energy



F1.3 RESILIENCY BY THE ENERGY HUB MODEL: SOLAR+STORAGE+VGI

Yair Crane, Principal, CTG



F1.4 ENERGY STORAGE - NEW CODES & STANDARDS

James Trudeau, Global Business Development Manager, UL LLC



F1.5 CALIFORNIA'S DILEMMA: REBUILD GRID OR HYDROGEN & AMMONIA PIPELINES ?

Bill Leighty, Director, Alaska Applied Sciences, Inc.

Alaska Applied Sciences, Inc.



F1.6 THERMAL STORAGE - WHY THIS ENERGY STORAGE SHOULD BE CONSIDERED FIRST

Guy Frankenfield, Energy Market Manager, DN Tanks



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F2. RE ENERGY STORAGE



F2.1 ECONOMICAL UNDERGROUND PUMPED STORAGE DEVELOPMENT USING TBMS

Douglas Spaulding, President, Nelson Energy LLC



F2.2 BUILDING COMMUNITY SUPPORT FOR YOUR PROJECT THROUGH LISTENING

Stephen Groner, President, SGA Marketing



F2.3 LONG DURATION ENERGY STORAGE - WHAT'S AVAILABLE?

Patricia Scroggin-Wicker, Business Manager, Burns & McDonnell



F2.4 STATE SITING REGULATION OF ENERGY STORAGE RESOURCES

Andy Flavin, Associate, Troutman Sanders LLP



F2.5 FINANCING RENEWABLE ENERGY AND STORAGE PROJECTS

Noah Pollak, Partner, Norton Rose Fulbright



MONDAY APRIL 20 | 2:00PM - 4:00PM

F3. SMARTGRID & MICROGRID



F3.1 ENERGY CONGESTION? WE CAN FIX THAT -- EASY!

Brian Keane, President, SmartPower



F3.2 THE TRANSFORMATION OF UTILITIES

Terence (Terry) Donnelly, President and Chief Operating Officer, ComEd



F3.3 DEVELOPING A SUSTAINABILITY TOOL FOR CAL STATE LA

Sercan Teleke, Senior Specialist, Eaton



F3.4 ELECTRIC GRID & RENEWABLE ENERGY. MARRIAGE OR LIFELONG FRENEMIES?

Nathan Goodman, CEO, Hamer Environmental



F3.5 COMMUNITY MICROGRIDS IN PUERTO RICO

Kyle Bolger, Senior Technical Trainer, Blue Planet Energy



F3.6 FLOW BATTERY TECHNOLOGY REVIEW

Jason Barmann, Electrical Engineer, Burns & McDonnell



TUESDAY APRIL 21 | 8:00AM - 10:00AM

F4. WIND, SOLAR, PV, & NUCLEAR

Miaoli Wind Company



F4.1 ECONOMIC AND SOCIAL ASPECTS OF OPERATING A COMMERCIAL WIND FARM

Hal Falls, Commercial Manager, Miaoli Wind Company



F4.2 ZERO TO ONE AND THE ELECTRIC GRID

Mark Hauenstein, Partner, UC Won



F4.3 INTEGRATED SOLAR PV THERMAL AND EE

Alden Hathaway, SVP Business Development, Sterling Planet



F4.4 SAFE & SUSTAINABLE INTEGRATION OF PV AND LITHIUM-ION AT UTILITY-SCALE

Chiara Scaramuzzino, Power Resources Analyst, Burbank Water and Power



F4.5 ENVIRONMENTAL REVIEW FOR NRC SUBSEQUENT LICENSE RENEWAL

Russell Light, Environmental Consultant, Sargent & Lundy, LLC



F4.6 GAS TURBINE/SOLAR ENERGY HYBRIDS FOR REDUCED CO2 ENERGY PRODUCTION

Michael Welch, Industry Marketing Manager, Siemens Industrial Turbomachinery Ltd.



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F5. RENEWABLES & ENERGY STORAGE



F5.1 THE EFFECT OF RENEWABLES ON FOSSIL FUEL-FIRED GENERATION

Scott Osbourn, Principal, Trinity Consultants



F5.2 ENERGY STORAGE AS PART OF DER GROWTH: REGULATORY SNAPSHOT

Walker Wright, VP of Policy, ENGIE Storage



F5.3 ENERGY-EFFICIENT PRACTICES FOR IRAQ'S HYDROELECTRIC POWER PLANT

Kamil Khalaf, Master's Candidate in Engineering Management, The University of Arizona, Systems and Industrial Engineering



F5.4 THERMAL ENERGY STORAGE TECHNOLOGY FOR THE APPLICATION IN POWER SYSTEMS

Mario Magaldi, Magaldi Technologies



F5.5 ENERGY STORAGE TECHNOLOGY REVIEW AND UPDATE

Jason Barmann, Energy Storage Applications Engineer, Burns & McDonnell



TUESDAY APRIL 21 | 2:00PM - 4:00PM

F6. PV, SOLAR, SUSTAINABLE RE, GREEN PROJECTS



F6.1 SOLAR PV REDEVELOPMENT FOR DECOMMISSIONED COAL PLANTS

Julianna Crumlish, Environmental Consultant, Sargent & Lundy, LLC



F6.2 CHALLENGES, BENEFITS AND RECOMMENDATIONS FOR PV PREDICTIVE MAINTENANCE

Lisa Bosman, Assistant Professor, Purdue University



F6.3 DEVELOPING A SUSTAINABILITY TOOL FOR CAL STATE LA

Arezoo Khodayari, Assistant Professor, California State University, Los Angeles



F6.4 LOCAL DRIVERS FOR UTILITY-SCALE SOLAR PV FARMS

Gilbert Michaud, Assistant Professor of Practice, Ohio University



F6.5 MANAGING ENERGY DEMAND AND SUPPLY

Shreepal Dangol, President, Grace Business Solution



F6.6 IMPACT OF BUILDING DESIGN AND CONSTRUCTION ACTIVITIES ON ECOSYSTEM

Madhumita Roy, Professor, Jadavpur University, Department of Architecture

