

ADVISORY BOARD FOR TRACK D



This Track includes - Transmission & Distribution; Demand and Rates, Energy Policy, Cyber Security, Power Plant conversion Technologies, Distributed Generation, Building Technologies, CHP, & Grid Stability.

Monday | 1PM - 3PM

D1. PLANT PERFORMANCE

D1.1 THE IMPORTANCE OF POWER PLANT PERFORMANCE TESTS

SESSION SPONSOR & CO-CHAIR - William Stark, Vice President, Environmental Services, Leidos; Michael Giampetro



D1.2 THERE'S MORE THAN JUST A TEST

Mike Hartman, Principal Environmental Specialist, McHale Performance; Dave Price



D1.3 DEAERATOR OPEX AND RELIABILITY UPGRADE & BOILER EMISSION IMPROVEMENT

Rick Nijmeijer, International Sales Manager, Stork Thermeq B.V.



D1.4 MANAGING LOGISTICS FOR SCHEDULED OUTAGES IN POWER & ENERGY

Angela Eliacostas, Founder and President, AGT Global Logistics; Jordan Mock



D1.5 NEW TECHNOLOGY IN-SERVICE API-653 TANK BOTTOM INSPECTIONS USING CERT.

Ron Marsden, General Manager, Manta Robotics; Zach Chapman



Monday | 3:30PM - 5:30PM

D2. POWER PLANT CONVERSION TECHNOLOGIES

D2.1 THE CARBON CHALLENGE FOR THE POWER INDUSTRY

Bruce Rising, Executive Advisor, ADI Analytics, LLC



D2.2 IOT WILL NOT DELIVER ITS POTENTIAL - UNLESS IT SOLVES THIS CHALLENGE

CO-CHAIR - Harry Sim, CEO, Cypress Envirosystems



D2.3 COAL TO GAS CONVERSION ADVANTAGES: CASE STUDY

Joe Brown, Head of Aftermarket Sales, MHPS



D2.4 OPERATING THE EXISTING AQCS SYSTEM AFTER NATURAL GAS CONVERSION

Suzette Puski, Principal Business Dev. Spec., Babcock Power



D2.5 COAL TO GAS CONVERSION: BLACK-END IMPLICATIONS

Karen Whitehead, Mechanical Engineer, Boiler & Air Quality, Black & Veatch Corporation



D2.6 OLD SMOKEY POWER - TRANSFORMING AGING POWER PLANTS

Peter Belmonte, Vice President & Director, Power Generation, TRC



Tuesday | 7:30AM - 9:30AM

D3. CYBER SECURITY SAFETY & EFFICIENCY



D3.1 WHAT THE WORLD MUST KNOW URGENTLY ABOUT NUCLEAR SECURITY

CO-CHAIR - Phrantceena Thate-Halres, CEO, Total Tactical Defense



D3.2 SAFETY IN THE ELECTRICITY AND PETROLEUM INDUSTRIES

Fred Mayes, Senior Energy Analyst, U.S. Energy Information Administration



D3.3 CYBER SECURITY FOR POWER: WHERE REGULATION AND REALITY CONVERGE

Mark Rabuano, Manager, NERC Services, NAES Corporation



D3.4 PLANNING FOR THE FUTURE: NATION'S FIRST CYBER-SECURE UTILITY MICROGRID

Jim Dodenhoff, Dir. of Business Dev, IPERC



D3.5 INNOVATION IN ENERGY EFFICIENCY PROGRAM DESIGN

Ian Metzger, Program Development Engineer, Lockheed Martin Energy



D3.6 LOWER GLOBAL WARMING POTENTIAL WITH CO2 HEAT PUMP WATER HEATERS

Cheryn Metzger, Senior Research Engineer, Pacific Northwest National Laboratory

Tuesday | 10AM - 12PM

D4. T&D, GAS TURBINES



D4.1 GAS FUEL FLEXIBILITY FOR GAS TURBINE DISTRIBUTED POWER GENERATION

CO-CHAIR - Michael Welch, Industry Marketing Manager, Siemens Industrial Turbomachinery Ltd.



D4.2 FUTURE "ENERGY" UTILITY: DEEP DECARBONIZATION OF ENTIRE ENERGY ECONOMY

Bill Leighty, Founder, The Leighty Foundation



D4.3 PREDICTING AND DETECTING GAS TURBINE MALFUNCTIONS

Patrick Bangert, CEO, Algorithmic Technologies, Inc.



D4.4 SITING & PERMITTING FOR TRANSMISSION & DISTRIBUTION

Brian O'Neal, Project Manager, Black & Veatch Corporation

Tuesday | 1:00PM - 3:00PM

D5. ENERGY POLICY, DEMAND & RATES



D5.1 GRID MODERNIZATION POLICY DEVELOPMENTS IN CALIFORNIA

CO-CHAIR - Larissa Koehler, Senior Attorney, Environmental Defense Fund



D5.2 ONE GOAL, MANY PATHS TO RESILIENCY

Carmen Henrikson, Associate Vice President, TRC Energy Services



D5.3 A TALE OF TWO ISSUES – ISO-NE OPERATIONS DURING NATURAL GAS CURTAILMENT AND IMPACTS FROM THE GLOBAL WARMING SOLUTIONS ACT

Stephen Slocomb, Principal, Epsilon Associates



D5.4 ENERGY ECONOMICS AND A SUSTAINABLE ELECTRICITY POLICY

CO-CHAIR - Daniel Mussatti, Senior Energy Economist, US NRC



D5.5 CURRENT TRENDS AND DEVELOPMENTS FOR ELECTRIC UTILITY RATES

Ted Kelly, Principal & Senior Project Manager, Burns & McDonnell

Tuesday | 3:30PM - 5:30PM

D6. BUILDING TECHNOLOGIES



D6.1 ON THE ROAD TO ZNE - CITIES REACHING AHEAD

Farhad Farahmand, Project Manager, TRC Energy Services



D6.2 SMARTPNEUMATICS - MAKING DUMB BUILDINGS SMART

CO-CHAIR - Harry Sim, CEO, Cypress Envirosystems



D6.3 USING PASSIVE COOLING STRATEGIES TO REDUCE THERMAL COOLING LOAD

Ahmad Zamzam, Architect, Shamayel Development Company



D6.4 EV CHARGING STATIONS IN SAN DIEGO BUILDINGS

David Gatcha, Relations Ambassador/Multifamily Properties, Verdani Partners

Wednesday | 7:30AM - 9:30AM

D7. CHP



D7.1 COMBINED HEAT AND POWER SOLUTIONS FOR DISTRICT HEATING APPLICATIONS

CO-CHAIR - Dalia El Tawy, Director-Thermal Power Solutions, Siemens



D7.2 ENERGY & AIR POLLUTION REDUCTION FROM COGENERATION AT JOHNS HOPKINS

John Kumm, Senior Engineer, EA Engineering, Science and Technology



D7.3 KILLING TWO BIRDS WITH ONE STONE: 'SMART' COUPLING ENERGY-EFFICIENT CHP TO THE GRID

CO-CHAIR - Anthony Cirillo, Senior Project Director, AECOM - Power Division



D7.4 MEDIUM VOLTAGE AUXILIARY BOILERS AND FUEL GAS DEWPOINT HEATING SYSTEMS

David Taylor, Director of Technical Sales, Chromalox



D7.5 POWER/WATER SOLUTIONS: USING THERMAL ENERGY FROM CHP PLANTS

Ben Laurent, Senior Process Engineer, Heartland Water Technology, Inc.

Wednesday | 10AM - 12PM

D8. DISTRIBUTED GEN & GRID TECHNOLOGY



D8.1 POLICY AND TECHNOLOGY TRENDS STRENGTHENING CRITICAL INFRASTRUCTURE

Joe Hoellerer Manager, Government Relations, Security Industry Association



D8.2 HYBRID SOLUTIONS PROVIDING GRID STABILITY AND RENEWABLE INTEGRATION

Dalia El Tawy, Director-Thermal Power Solutions, Siemens



D8.3 NATURAL GAS ASSETS TO SUPPORT THE EVOLVING ELECTRIC GRID

CO-CHAIR - Hua Fang, Director, Black & Veatch Management Consulting, LLC



D8.4 WATER-FREE COMBINED CYCLE DISTRIBUTED POWER GENERATION

CO-CHAIR - Michael Welch, Industry Marketing Manager, Siemens Industrial Turbomachinery, Ltd.



D8.5 SMART CIT-HY WINDBUS AUXERRE FRANCE

Emmanuel Schuddinck, CEO, Justy Energies Engineering



D8.6 SIMULATING SOLAR PHOTOVOLTAIC TECHNOLOGY DIFFUSION AND GRID STABILITY

Jacob Monroe, PhD Student, North Carolina State University; Emily Berglund