

# TRACK E: CLIMATE, MSW, LFG, RNG, BIOFUELS

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

## E1. WASTE TO ENERGY, RNG, SOLID WASTE



### E1.1 FOOD WASTE RECYCLING BEST PRACTICES

Ryan Cooper, Waste Diversion Manager and Organics Recycling Lead, Rubicon



### E1.2 HYDROGEN GENERATION USING HEAVY OIL FEEDSTOCKS

Girish Srinivas, Vice President, TDA Research, Inc.



### E1.3 EXTENDING ECONOMIC LIFE OF U.S. WTE IN COMMUNITIES

Richard Fish, President and Chief Operating Officer, Community Eco Power LLC



### E1.4 THE DEVELOPMENT OF A MUNICIPAL WASTE TO FUEL PROGRAM

Bret Swain, Senior Engineer, City of Manteca



### E1.5 RENEWABLE DIESEL: RISK FREE CARBON FOOTPRINT REDUCTION

Matt Leuck, Technical Manager, North America, Neste



### E1.6 CONVERSION OF MUNICIPAL SOLID WASTE (MSW) TO GREEN ENERGY

Dr. Moinuddin Sarker, PhD, MRSC., Chairman, CEO and CTO, Waste Technologies LLC

MONDAY APRIL 20 | 10:00AM - 12:00PM

## E2. RNG, BIOGAS, BIOFUELS, BIODIESEL, ALGAE



### E2.1 ENVIRONMENTAL PERMITTING FOR UPGRADING AND SUPPLYING RNG

Tony Widboom, Vice President and Senior Environmental Engineer, Barr Engineering Co.



### E2.2 WASTE-TO-ENERGY CIRCULAR ECONOMY STRATEGY FOR VERTICAL FARMS

Joel Cuello, Professor of Biosystems Engineering, The University of Arizona



### E2.3 MANAGEMENT OF ANAEROBIC DIGESTER EFFLUENT USING FORWARD OSMOSIS

Keith Lampi, President, Fluid Technology Solutions



### E2.4 FUELING BUSINESSES WITH RENEWABLE NATURAL GAS AND ANAEROBIC DIGESTION

Peter Ehinger, Chief Development Officer, Bioenergy DevCo.

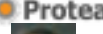
MONDAY APRIL 20 | 2:00PM - 4:00PM

## E3. LFG, RNG, MSW, LMOP



### E3.1 FLIP OR FLOP: CONVERSION OF BIOGAS POWER GENERATION TO RNG

Jeffrey Pierce, Senior Project Director, SCS Engineers



### E3.2 SILOXANE SAMPLING METHODS: ONLINE VS OFFLINE

Dr. Victoria Brewster, Product Leader, Protea Ltd



### E3.3 PUMPING ELEVATED-TEMP FLUIDS TO 300°F -- CASE STUDIES, LESSONS LEARNED

Mark Bertane, Principal, Blackhawk Technology Company



### E3.4 RNG: CALIFORNIA RULE 21/30 COMPLIANCE MADE EASY

Dan Moeller, Process Engineering Manager, Guild Associates, Inc



### E3.5 LESSONS LEARNED AT LANDFILLS COMPLYING WITH NSPS XXX REQUIREMENTS

Wes Younger, Managing Consultant, Trinity Consultants

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

## E4. MSW, SUSTAINABLE & GREEN PROJECTS



### E4.1 RENEWABLE GAS PIPELINES: WHAT REGULATIONS APPLY AND HOW TO OPERATE

Ryan Estabrook, President, Douglas Pipeline Company



### E4.2 BIFURCATING A CENTRAL PLANT FOR REDUNDANCY AND RELIABILITY

Jay Ehrfurth, Director - Power / Industrial, The Boldt Company



### E4.3 SOLID WASTE FROM HEALTH CARE - ENVIRONMENTAL IMPACT & MANAGEMENT

Dr. Bapanaiah Penugonda, Associate Professor / Group Practice Director, New York University, College of Dentistry

TUESDAY APRIL 21 | 10:00AM - 12:00PM

## E5. WASTE TO ENERGY, RNG, BIOGAS, LFG



### E5.1 THE EVOLUTION OF EMISSION CONTROLS ON LANDFILL GAS ENGINES AND TURBINES

Patrick Sullivan, Senior Vice President, SCS Engineers



### E5.2 WASTE-TO-ENERGY OR WASTED ENERGY?

Anthony Cirillo, Senior Project Director, AECOM



### E5.3 GASIFICATION OF PALM-SHELL WASTES FOR ELECTRICITY

Hong Paul Wang, Professor, National Cheng Kung University

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

## E6. CLIMATE, GHG, CARBON CREDITS



### E6.1 "CARFREE" CITIES: ACCOMMODATING MILLIONS FLEEING RAPID SEA LEVEL RISE

Bill Leighty, Director, Alaska Applied Sciences, Inc.



### E6.2 PERFORMANCE OPTIMIZATION OF VARIOUS COMBINATIONS OF SOLAR MODULES

Shantanu Deshmukh, Student, Shivaji University, Kolhapur, Department of Technology



### E6.3 BUILDING AN EFFECTIVE MULTIGENERATIONAL WORKPLACE

Jeff Butler, Speaker and Author, Jeff Butler Incorporated



### E6.4 REACHING FLEET CARBON NEUTRALITY

Austin Wentworth, Vice President, STX Commodities

### E6.5 HOW TO INVEST IN THE CONSTRAINED GHG ENERGY MARKET EMBRAISING NEW TECHNOLOGY

Nedia Miller, Principal, MILLER CTA