



2018 Spring ET Summit Conference Program

Summit Program

April 27, 2018

9:00 am	Continental Breakfast	
10:00 am	Welcome & Keynote	
11:30 am	Break	
11:45 am	<u>Ballroom A</u>	<u>Ballroom B</u>
	Integrated Efficiency Solutions in the Industrial Space	Kigali Lives! The Latest in Alternative Refrigerants
12:15 pm	Lunch	
1:15 pm	Not a Normal Canned Session: Opportunities in Commercial Food Processing	Growing Smarter: Promising New Ideas from the Agriculture Sector
2:15 pm	Break	
2:30 pm	High Expectations: Capturing Savings in the Energy-Intensive Cannabis Sector	CHP Innovations: Providing Multiple Solutions for Efficient and Sustainable Ag and Food
3:30 pm	Break	
3:45 pm	Closing Plenary	



Welcome & Keynote

10:00 am

The 2018 Spring ET Summit keynote address will be delivered by **Andrew Blume**, covering topics including: a state of the agriculture industry overview, Southern Company's sponsorship of AgLanta, Alabama Power and their Freight Farm, the photosynthetic efficiency of plants versus the efficiency of PV, the water efficiency of hydroponics, and vertical farming versus greenhouses.

Integrated Efficiency Solutions in the Industrial Space.

11:45 am – Ballroom A

When it comes to getting multi-system or whole-building results, industrial facilities often face more challenges than the commercial and residential sectors. This panel will discuss up-and-coming technologies and strategies to help industries reduce energy and operating costs in the industrial sector.

Speakers:

- **Andrew Campbell** – Executive Director, Energy Institute at Haas, U.C. Berkeley
- **Philip Gleckman** – CEO, Sunvapor

Moderator:

- **Michael Lozano** – Senior Mechanical Engineer, CEC

Kigali Lives! The Latest in Alternative Refrigerants

11:45 am – Ballroom B

A discussion about real-world experience using natural refrigerants in industrial refrigeration and process cooling applications. One looks at optimizing existing refrigeration plants to improve performance, reduce operating costs, and benefit the customer and the utility. The second looks at two new approaches for packaged systems: one for walk-in freezers, and one for process cooling using advanced ultra-low GWP refrigerants.

Speakers:

- **Troy Davis** – Energy Group Manager, Mayekawa USA (MYCOM)
- **Alex Woolf** – Principal Data Scientist, Lineage Logistics

Moderator:

- **Paul Delaney** – Senior Engineer, SCE

Not a Normal Canned Session: Opportunities in Commercial Food Processing

1:15 pm – Ballroom A

Food processing and 24/7 energy needs go hand-in-hand. But do they need to be? We'll have an in-depth discussion of the technological and cost-saving opportunities to help the food processing industry reduce energy consumption without adversely affecting their stringent business operation requirements.

Speakers:

- **Ann Marie Mastrippolito** – Program Portfolio Manager, Industrial & Ag Utility Programs, CLEAResult
- **Erick Watkins** – Director of Environmental Health & Safety, Pacific Coast Producers

Moderator:

- **Tarun Kapoor** – Expert Product Manager, Emerging Technologies, PG&E

Growing Smarter: Promising New Ideas from the Agriculture Sector

1:15 pm – Ballroom B

This session will present innovative practices in water in the agricultural space from several perspectives including data analytics, university research, and end-use.

Speakers:

- **Olivier Jerphagnon** – Founder, PowWow Energy
- **Terry Wright** – Founder & CTO, ClearCove
- **Frank Loge** – Professor, Department of Civil and Environmental Engineering, Center for Water-Energy Efficiency, U.C. Davis

Moderator:

- **Dave Rivers** – Project Manager, Emerging Products, Southern California Edison

High Expectations: Capturing Savings in the Energy-Intensive Cannabis Sector

2:30 pm – Ballroom A

Requests for New Service from cannabis growers are expected to total hundreds of MW over the next few years. The cultivators are moving into buildings that often used less than 1 watt/sf and are requiring 30-60 watt/sf, requiring expensive infrastructure upgrades. SMUD has been working with growers to reduce energy use and will discuss their testing of high efficiency lighting, HVAC, and dehumidification systems.

Speakers:

- **Tyler Kearns** – President, Gold Country Green; Owner, SevenLeaves
- **Matthew McGregor** – Strategic Account Advisor, SMUD

Moderator:

- **Jim Parks** – Program Manager, SMUD

CHP Innovations: Providing Multiple Solutions for Efficient and Sustainable Ag and Food

2:30 pm – Ballroom B

Improving yields and quality in our food chain is desirable. CHP applications can help achieve that efficiently and cost effectively by providing electricity, heat, refrigeration, water, and fertilizer for outstanding results. Our guests are at the forefront of these innovative applications and will share their experiences.

Speakers:

- **Raymond D. Cole** – President & CEO, Axiom Engineers
- **Casey Houweling** – Owner, Houweling's Group

Moderator:

- **Eric Kirchhoff** – Commercial & Industrial Services Manager

Closing Plenary

3:45 pm

Join us for an inspiring panel with experts on industry, agriculture, and water to close out the 2018 Spring ET Summit!

Speakers:

- **John C. Morris** – VP, Market Development, D+R International
- **Frank Loge** – Professor, Department of Civil and Environmental Engineering, Center for Water-Energy Efficiency, U.C. Davis
- **Philip Gleckman** – CEO, Sunvapor
- **Alex Woolf** – Principal Data Scientist, Lineage Logistics