

# 2017 Florida Energy Summit OUC Innovation Programs

October 19, 2017  
Linda Ferrone

**OUC**   
The Reliable One®

# OUC – The *Reliable One*



- Formed in 1923
- Serving Orange and Osceola counties
- Electric, Water, Chilled Water Services
- 375,000 total customers
- Second largest municipal utility in Florida
- 14<sup>th</sup> largest in nation
- Generation capacity of 1,946 Megawatts

# OUC Service Territory



## OUC Service Territory

- 418-square-mile electric service area
- 200-square-mile water service area

# OUC's Emerging Technologies Initiatives

Smart investment relevant to our customers and our environment



- ✓ **Solar Program**
- ✓ **Microgrid Demonstration Project**
- ✓ **Carbon Utilization Project (Algae Initiative)**
- ✓ **GreenWorks Orlando**
  - Reforestation of Stanton Energy Center
  - Advanced Metering Infrastructure Integration into Outage Management System
  - Proactive Alerts
  - Smart Streetlight Controls
  - Smart Grid Advancement
  - Electric Vehicle Charging Stations

# OUC Solar Solutions



OUC IS COMMITTED TO MAKING SOLAR AFFORDABLE AND ACCESSIBLE FOR ALL CUSTOMERS.

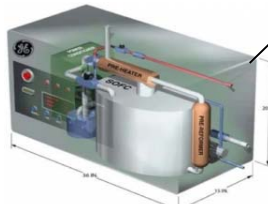


# Microgrid Demonstration Project:

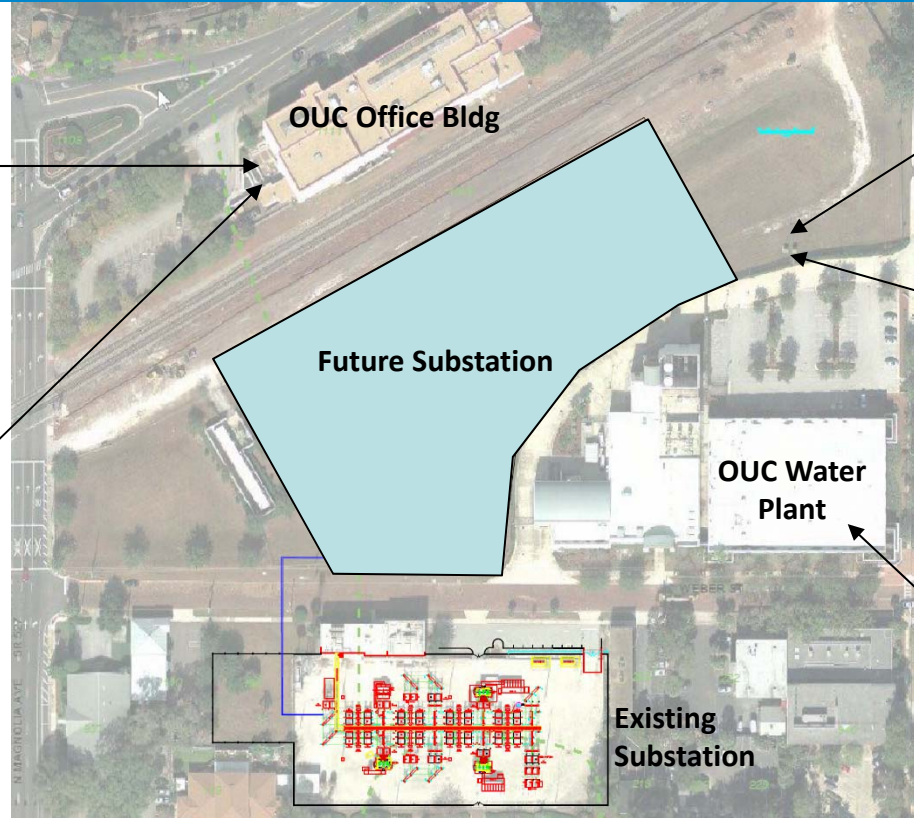
Preparing for customers future needs



Combined Heat and Power



Fuel Cells



Reciprocating Generator



Batteries/ Supercapacitor

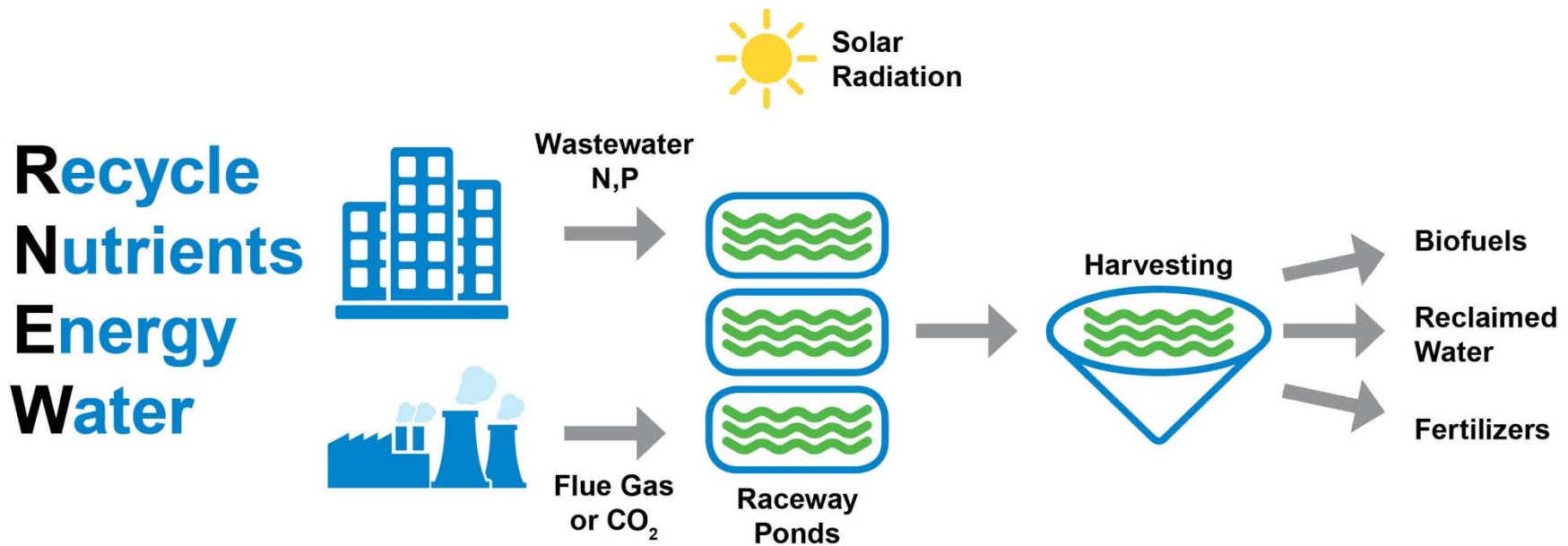


Roof Mount PV

# Carbon Utilization Project:

Leveraging grants and partnership to advance industry algae research1

MBE's RNEW<sup>®</sup> Process for wastewater treatment and biofuels production



**Recycle  
Nutrients  
Energy  
Water**

# Orlando's GreenWorks Program:

Driving sustainability into all we do





**Thank you!**