



Sustainable Collaborations for Organic Waste Management

LA County Integrated Waste Management Task Force ATAS February 21, 2019

Steve McCorkle - Ag Waste Solutions (AWS)





1) AWS Biochar grows healthy food crops

7) AWS Diesel powers farm equipment to harvest healthy food crops



2) AWS Process inputs can be any organic biomass

3) AWS Separation

technology is

industry leading

The Next
Generation of
Organic Recycling
Solutions

6) AWS creates the cleanest burning diesel in the world







4) Thermal Conversion process is the only technology approved in the strictest air districts





#### SUSTAINABLE COLLABORATION PROJECT GOALS

- Develop community based strategic plans for organic waste management
  - SB 1383 compliance through small sites close to feedstock & offtake markets
  - Community Partnerships with haulers, composters, farmers, technology providers
  - Sustainable agricultural solutions to integrate green, wood, food, manure wastes
- Reduce volume and transportation while creating value-added end products
  - On-farm compost centers to convert organic wastes to compost for on-farm use
  - Biochar production from organics added to compost to create Healthy Soils
  - Biofuels production from organics to produce carbon negative transportation fuels







#### AWS BIOCHAR + COMPOST: 1 + 1 = 3 IN COMBINED BENEFITS

#### **AWS Biochar**

### **Compost**

- Hard Carbon (stable)
- High nutrient content (early, positive yields)
- Microbiology home
- High water retention
- CO2 sequestration
- Salts/toxins lockup
- Short production time
- Applied at any plant development stage
- Application flexibility
- Volume reduction

## **Compost**

- + AWS Biochar
- + Microbiology home
- + Water retention
- + Stable humic compounds
- + Nutrient management
- + Plant availability
- + pH bal., CN ratio adjust
- + Reduced GHGe & VOC's
- + Reduced N loss
- + Salts/toxins lockup
- + Reduced curing times
- + No bulking agents
- + Volume pricing

- Soft Carbon (VOC's, decomposition)
- Lower nutrient content with green waste
- Microbiology home
- Moisture retention
- Long curing (4-6 wks)
- High bulk application (tillage, turn-down only)
- Good volume pricing,





# QUESTIONS?

