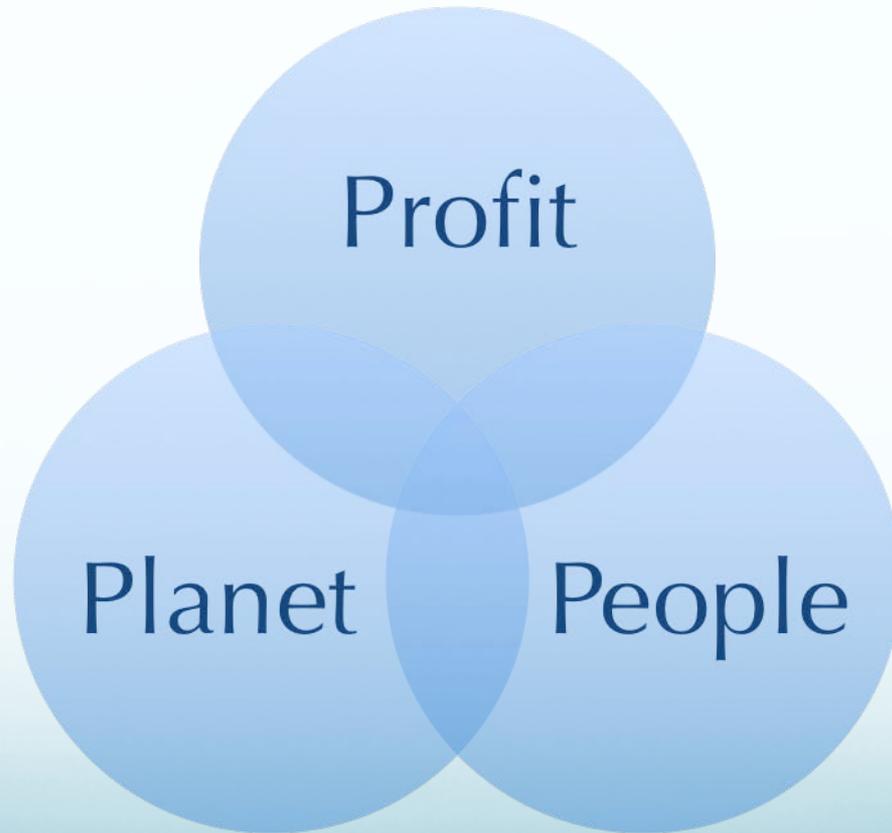


-SACEE-
Sustainability Advisory
Committee on Energy
& Environment



SUSTAINABILITY = TRIPLE BOTTOM LINE



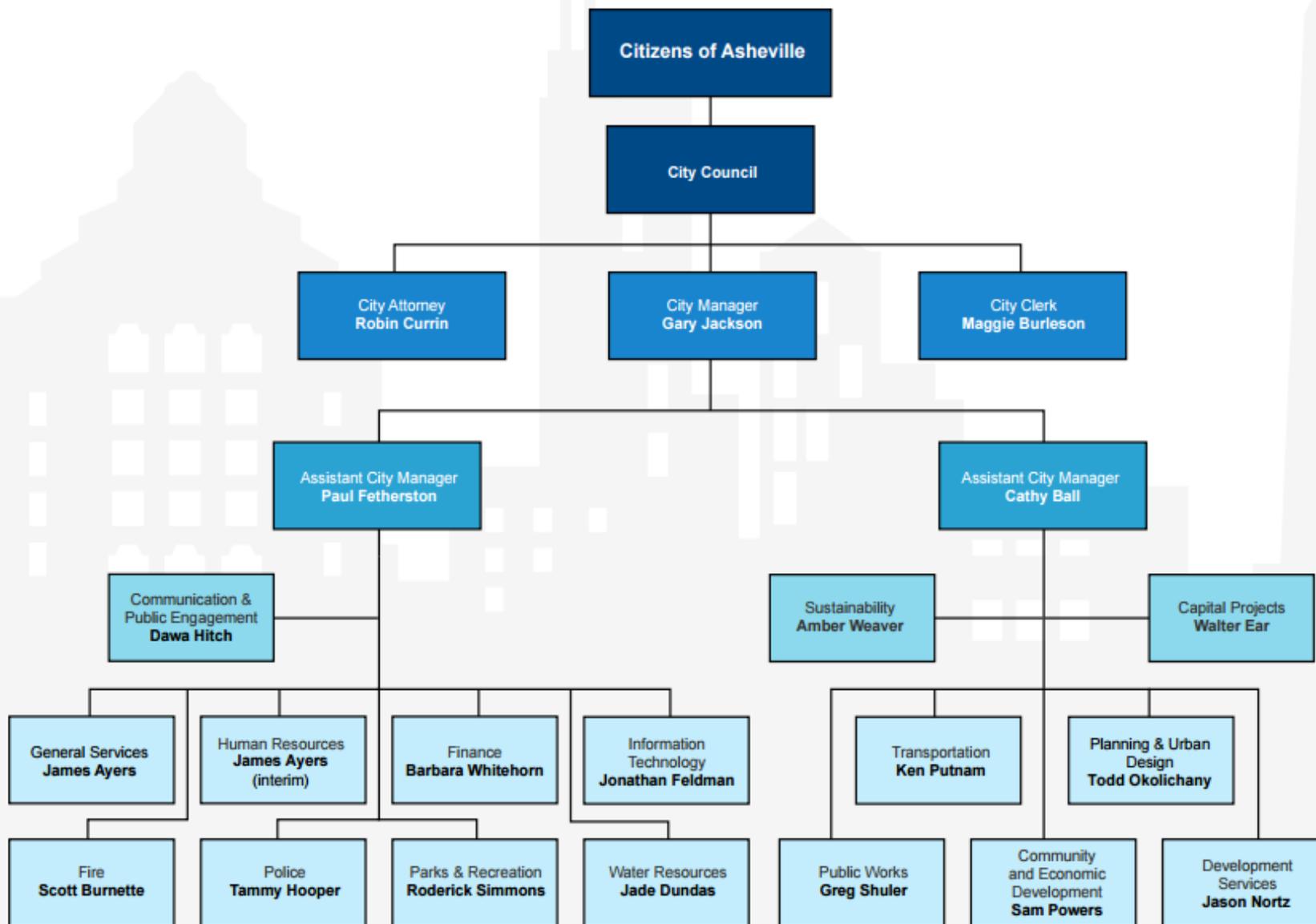
SACEE ROLE:

- Unique Role: SACEE overlaps with all boards and commissions
- ENERGY, SOLID WASTE as well as:
- TRANSPORTATION, AFFORDABLE HOUSING, TREE COMMISSION, DOWNTOWN COMMISSION, PLANNING AND ZONING, NEIGHBORHOOD, ETC.



THE CITY OF ASHEVILLE

ORGANIZATIONAL CHART



SACEE HISTORY

- 9 members appointed by City Council – 3 Year terms
- Formed in 2007 by City Council as a local response to global warming and climate change
- Develop and recommend policy on sustainable energy, waste reduction, sustainable economic development, and land use planning.
- Triple Bottom Line: PEOPLE, PROFIT, PLANET

SACEE OVERVIEW

- ADVISORS: policy guidance to City Council
- EDUCATION: Increase awareness of sustainability issues through outreach and educational activities
- PARTNERSHIP: Create synergy among public and private partners in the region to maximize efforts
- AMBASSADORS: to the greater community
- RESOURCE: to other commissions and boards

SACEE WHO ARE WE

STAFF LIASON: Amber Weaver

COUNCIL LIASON: Julie Mayfield

Sonia Marcus, UNC-Asheville (Chair)

John Noor, Roberts & Stevens, P.A. (Vice-Chair)

Duncan McPherson, Samsel Architects

Lael Gray, Jewish Community Center

Josh O'Conner, Buncombe County Planning Dept.

Mindy Fisher, Dungan, Kilbourne & Stahl, P.A.

Keith McDade, Lenoir-Rhyne University – Asheville

Geoffrey Habron, Warren Wilson College

SACEE ACHIEVEMENTS

Resolution 7-91: Adopting LEED Standards



- **LEED IN PUBLIC BUILDINGS**
- **ALL BUILDINGS OVER 5,000 SQ. FT. NEED TO BE LEED CERTIFIED GOLD**
- **WESLEY GRANT CENTER – FIRST LEED CITY BUILDING ACHIEVING PLATINUM (2012)**

SACEE ACHIEVEMENTS

Resolution 7-90: Establishing 2% CO₂ Reduction Goal

Resolution 11-77: Establishing a 4% CO₂ Reduction Goal

- EST MUNICIPAL CARBON REDUCTION GOAL IN 2008
- GOAL IS TO REDUCE OVERALL CARBON FOOTPRINT BY 80% BY YEAR 2050
- DOUBLED 2008 RESOLUTION GOAL TO 4% REDUCTION PER YEAR IN 2011

TO DATE 28.6% REDUCTION

SACEE ACHIEVEMENTS

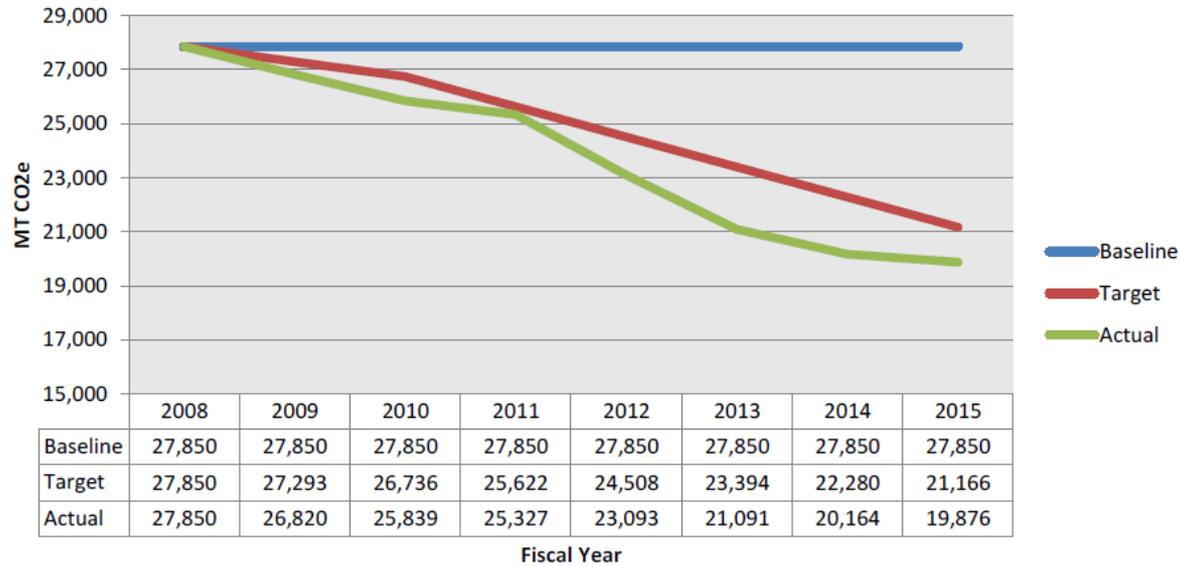
Resolution 11-77: Establishing a 4% CO₂ Reduction Goal

- 2015 SAW A 1.4% REDUCTION FROM BASELINE, WHICH MEANS WE ARE STILL OUTPERFORMING OUR TARGET
- **REDUCTIONS WERE DUE TO:**
 - INCREASED SHIFT TO CNG IN SANITATION TRUCKS
 - OVERALL MORE EFFICIENT FLEET FROM ACCELERATED VEHICLE REPLACEMENT
 - ADDITIONAL STREET LIGHT REPLACEMENTS
 - DECREASED FACILITY ELECTRIC USAGE (HVAC CONTROLS AND LIGHTING PROJECTS)

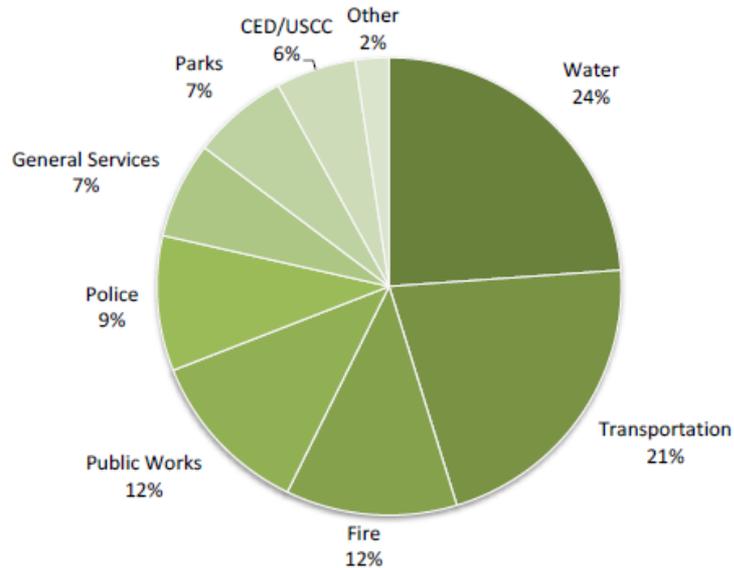
City of Asheville FY 2015 Carbon Footprint Update

Greenhouse Gas Emissions from Municipal Operations

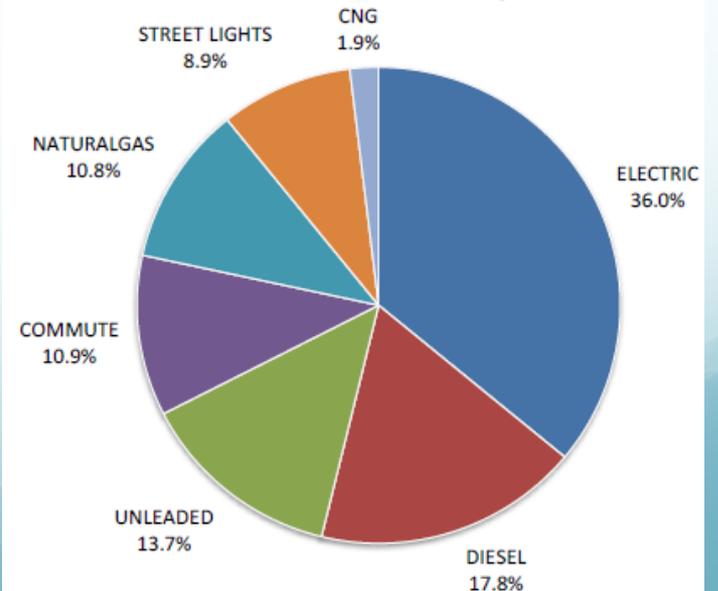
GHG Performance To Date



GHG Emissions by Department

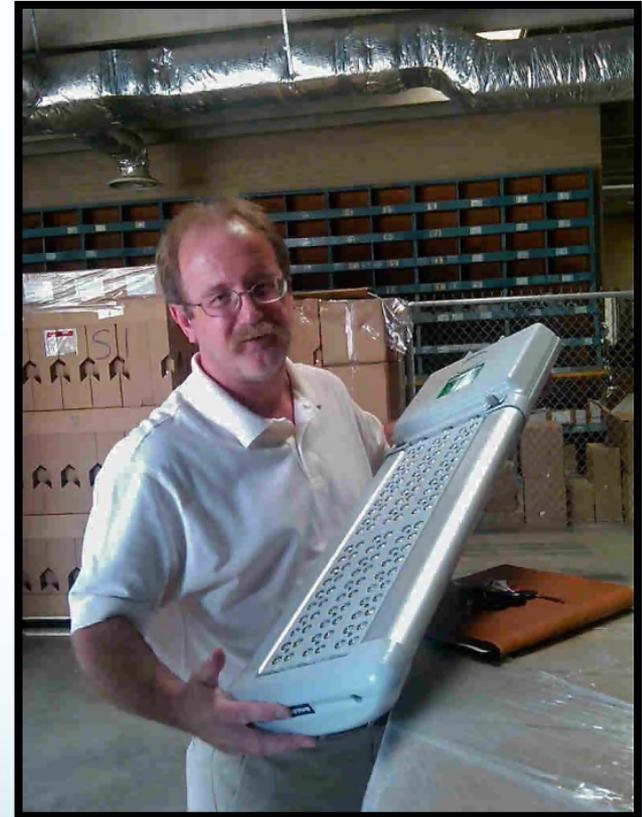
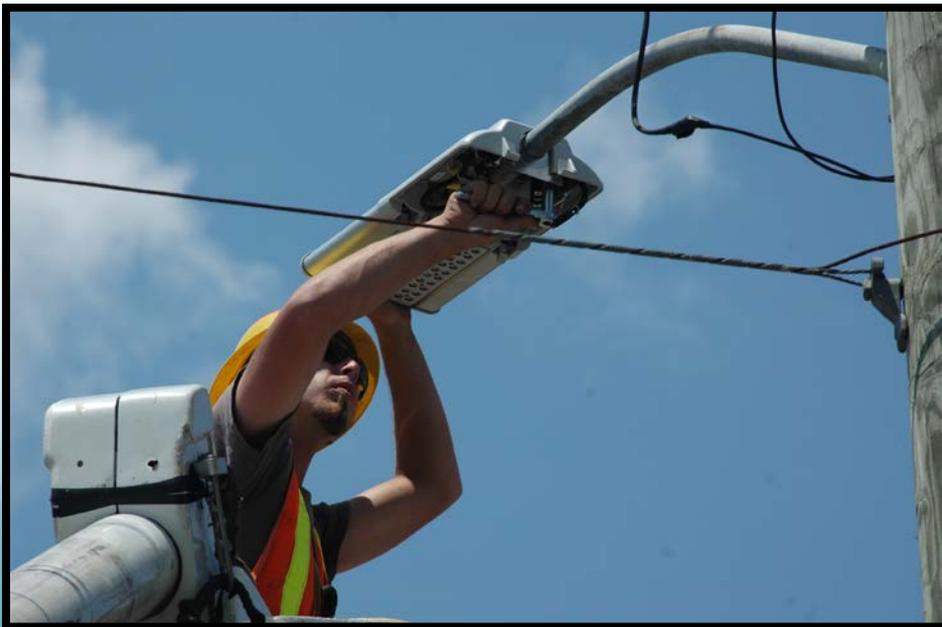


2015 GHG Emissions by Sector



COA CARBON REDUCTION PROGRESS

- UPGRADED TO 9,000 LED STREET LIGHTS
- UPDATE OF LIGHTING ORDINANCE
- SAVINGS: ENERGY REDUCTION 31% \$400k/YEAR



SACEE ACHIEVEMENTS

Resolution 15-200: Adopting a Community Clean Energy Policy Framework

- **OBJECTIVE 1: DEVELOP A CLEAN ENERGY PLAN FOR ASHEVILLE**
- **OBJECTIVE 2: IDENTIFYING SHORTER-TERM ACTION ITEMS FOR THE CITY'S SUSTAINABILITY PROGRAM**
 - Launched a clean energy partnership with Duke Energy Progress
 - Training, technical assistance and outreach for City employees and other Asheville entities
 - Business support and recognition
 - Data, metrics and reporting
- **DEVELOP AN UPDATED COMPREHENSIVE PLAN FOR THE COMMUNITY – The Comprehensive Plan will recognize and incorporate the following six principles of sustainability:**
 1. Connect land use planning with multi-modal transportation planning
 2. Mitigate impacts of climate change
 3. Maintain a resilient and diversified economy
 4. Promote community and housing equity
 5. Encourage healthy communities
 6. Enhance local and regional partnerships

COA COMMUNITY CLEAN ENERGY POLICY FRAMEWORK PROGRESS

- PARTNERED WITH CHAMBER OF COMMERCE TO LAUNCH THE ASHEVILLE WORKPLACE CHALLENGE (APRIL, 2016)
 - Developed Challenge Website
 - Advertising & Outreach
 - Lunch-and-Learns
- ESTABLISHED THE ENERGY INNOVATION TASK FORCE
- HIRED SUSTAINABILITY TECHNICIAN TO ASSIST WITH COMMUNITY CLEAN ENERGY INITIATIVES
- CITY EMPLOYEE EDUCATION THROUGH SUSTAINABILITY BLOGS
- RESEARCH INTO RENEWABLE ENERGY INSTALLATIONS ON CITY PROPERTY



ASHEVILLE
**WORKPLACE
CHALLENGE**

Green



SACEE ACHIEVEMENTS

Resolution 14-27: Establishing a Waste Reduction Goal

- GOAL OF 50% MUNICIPAL SOLID WASTE REDUCTION BY TON BY THE YEAR 2035
- 15% BY 2020 25% BY 2025 40% BY 2030 50% BY 2035
- PROVIDE ANNUAL PROGRESS REPORT
- DEVELOPED STRATEGIC LONG TERM RESIDENTIAL WASTE REDUCTION PLAN



COA WASTE REDUCTION PROGRESS

- EXPAND RECYCLING PROGRAM – APRIL 2012
- SINGLE STREAM RECYCLING
- 6.1% REDUCTION IN TONS TO THE LANDFILL SINCE 2010
- CONTINUED RESEARCH FOR PAY-AS-YOU-THROW
- STARTED RESEARCH FOR COMPOSTING AT THE USCC
- COMPLETED ORGANIC WASTE PROCESSING FEASIBILITY STUDY: PHASE I



SACEE ACHIEVEMENTS

Resolution 13-17: Establishing COA's Food Action Plan

- COLLABORATED W/ AB FOOD POLICY COUNCIL TO DEVELOP PLAN
- USE/AMEND UDO AS SUPPORT TOOL FOR FOOD POLICY GOALS
- FIND PERMANENT LOCATION FOR THE ASHEVILLE CITY MARKET
- INCORPORATE LOCAL FOODS/BEVERAGES INTO UCSS
- USE EDIBLE LANDSCAPING ON PUBLIC PROPERTY
- ENGAGE UNDERSERVED COMMUNITIES
- PROVIDE EDUCATIONAL PROGRAMS
- CREATE CONNECTED AND SAFE FOOD CORRIDORS

COA Food Policy Progress

- EDIBLE LANDSCAPING IN CITY PARKS (e.g. Washington Carver Edible Park)
- PUBLIC LAND LEASES FOR AGRICULTURE (e.g. Danny's Dumpsters and Balsam Gardens)
- LOCAL FOOD AT US CELLULAR CENTER
- ADOPT-A-SPOT PROGRAM
- UDO CHANGES FOR AGRICULTURE (e.g. bees and chickens)



SACEE ACHIEVEMENTS

Resolution 12-153: Designating Asheville as Bee City, USA

- SUPPORT CREATION OF BEE CITY USA
- CREATE SUBCOMMITTEE
- UDO CHANGES TO SUPPORT/ENCOURAGE RESPONSIBLE BEEKEEPING
- ESTABLISH BUDGET FOR PURCHASE OF POLLINATOR FRIENDLY PLANTS/TREES
- OBSERVE POLLINATOR WEEK
- DESIGNATE OFFICIAL BEE CITY USA CONTACT FOR COA



COA Bee City Progress

- UDO PLANT LIST UPDATE: NATIVES, EDIBLES, POLLINATORS, REMOVE INVASIVES
- UDO CHANGES TO SUPPORT BEEKEEPING
- ADOPT-A-SPOT FOR POLLINATOR GARDENS



SACEE WORK IN PROGRESS

- DEVELOPMENT INCENTIVES:
LAND USE INCENTIVE GRANTS &
SUSTAINABILITY DENSITY BONUS
- SUPPORT ONGOING
IMPLEMENTATION OR
AMENDMENT OF RELEVANT CITY
RESOLUTIONS AND INITIATIVES
- COMPREHENSIVE PLANNING
- PARTICIPATION & ENGAGEMENT
 - Expand and improve the quality of
public contribution
 - Diversify SACEE membership
 - Raise awareness and overall visibility
of committee
 - Improved communication with other
departments and boards and
commissions



COA WORK IN PROGRESS FOR SACEE GOALS

- **FOOD POLICY:** AGRICULTURE LEASES, ADOPT-A-SPOT, ASHEVILLE'S EDIBLE GARDENING PROGRAM, AND THE EDIBLE MILE
- **WASTE REDUCTION:** DEVELOPMENT OF PAY-AS-YOU-THROW PROGRAM, USCC COMPOSTING PROJECT, AND ORGANIC WASTE PROCESSING FEASIBILITY STUDY: PHASE II
- **CO₂ REDUCTIONS:** LAWN EQUIPMENT INVENTORY AND UPGRADE TO CLEANER TECHNOLOGY
- **CLEAN ENERGY:** DUKE PROGRESS ENERGY PARTNERSHIP AND PARTNERSHIP WITH ASHEVILLE CHAMBER OF COMMERCE FOR THE ASHEVILLE WORKPLACE CHALLENGE