

Mecklenburg County

LUESA Departmental Update

BOCC Presentation February 2017



LUESA

- Six Divisions
 - Air Quality
 - -Code Enforcement
 - Geospatial Information Services (GIS)
 - Water and Land Resources
 - -Solid Waste
 - Support Services

Air Quality

Focus On Partnership During The Wildfire Event

Wednesday, November 16, 2016 CODE RED DAY



Medical Director, **Dr. Stephen Keener**, and Sr. Air Quality Specialist, **Shelley Lanham**, field questions from local news media about how western NC wildfires affect local air quality and health.



Air Quality

1st EPA approved Asbestos NESHAP electronic submittal system in the Southeast!

New electronic option for submitting asbestos demolition notifications to Air Quality and Code Enforcement

COMING JULY 1, 2017!





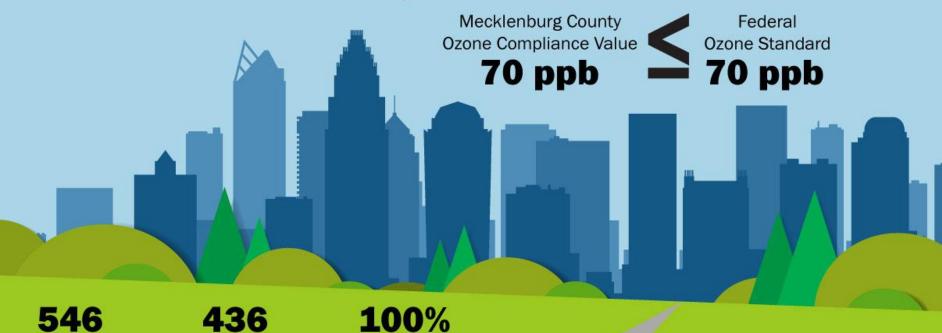
Air Quality

EPA awarded \$500,000 for GRADE for Freight program to replace high-emitting goods movement equipment





Air Quality in Mecklenburg County Meets All Federal, Health-based Standards



546 sources with AQ permits

436 asbestos-related projects reviewed

permits issued on-time

Grants to Replace Aging Diesel Engines brought to Charlotte region since 2007

\$6 million in grants
650 tons NOx reductions

AQ Monitoring Data Completeness

92.8%

210,090

vehicle miles reduced from clean commute campaign



Geospatial Information Systems (GIS)

- 2016 Local Government Federal Credit Union (LGFCU) Excellence in Innovations Award for the DSS Meals on Wheels GIS Program
- Partnered with Storm Water, Tax Assessment and the City of Charlotte to capture Oblique Aerial Photography for 2017
- Launched the "Mecklenburg County Demographic Map Viewer"
- Launched Map Viewers: "Farmer's Markets" and "Must See Mecklenburg"

technology solutions
mapping and project services
addressing and land records
storm water impervious mapping

empowering customers of Mecklenburg County to make data-driven decisions

exemplary rating in customer service 99.8% gis application availability

data maintenance

383,736 parcels

527,539 address points

2 billion sq ft impervious surface

completed 2961 mapping projects
resolved 3033 storm water fee complaints
developed and supports over 40 applications
served 1,846,271 maps online
over 17k download events providing 1.76tb of data

2016

WATER QUALITY IMPROVEMENTS

375 Total miles of streams Streams safe for human contact

> by 2020 85% 79%

25.1%: 286 miles walked by staff in 2016

> Miles of streams restored

in 1998

33,573 lbs of trash Total removed by volunteers volunteers

water & land





Capital **Improvements**



Operational **Budget**

\$17.4M Annual Budget

Full time staff





2,814 Inspections

506
Plans Reviewed

126 Violations Issued

Responded to within 21 days

FLOOD INSURANCE

\$458,696

Annual Savings from participating in Community Rating System







Preventative Mitigation

- 370 floodplain buyouts since 1999
- 676 Families relocated



Capital Invested \$63

LLION Losses Avoided

\$306

MILLION



Floodproofing • Improvements • Together

Outreach

- 2600 Postcards
- 6 Social Media Posts
- 2 News releases



Community Response







Results

71 Onsite Flood-Risk Evaluations

57
Flood Education



Technical Assistance



Approved Projects \$33K allocated





By directing material to recycling, not landfill

2000



Disposal Rate





A 41% reduction in per capita waste



2016

Metrolina Recycling Center Contract Tonnage

2015



2016





Mecklenburg County

Salid Waste

980-314-DUMP | WipeOutWaste.com

Operating Budget



Landfill

Foxhole Landfill

FY15 **104,033 TONS**



FY16 **118,397 TONS**



Speedway Landfill

FY15 **363,023 TONS**



Y16 **382,677 TONS**



All Recycling Centers

Total Customers

FY15 536,253

FY16 621,003





<u>Tonnage</u>

Construction & Demolition

Electronics

Household Hazardous Waste

Yard Waste Tonnage FY15

28,081

1.193

FY16

36.395

1,200

4 868

854 X **X X**

104,617

108,839

000

Panthers Tailgate





Solid Waste Updates

- Discarded televisions are projected to cost approximately \$700,000 in FY 2017 as compared to \$500,000 in FY 2016.
- New Compost Central facility nearing completion.
- On-going effort in installing new scales and technology to reduce wait times at full service locations.
- Evaluation of recycling center location and number is nearing completion.
- Evaluation of options for long-term disposal and storage has commenced.



Veteran Apprenticeship

Update on first class

Recognition of graduates

Recruitment status of second class



Thank you