



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 in Mecklenburg County Meets All Federal, Health-based Standards

Mecklenburg County
Ozone Compliance Value

70 ppb



Federal
Ozone Standard

70 ppb

546

sources with
AQ permits

436

asbestos-related
projects reviewed

100%

permits issued
on-time

AQ Monitoring Data Completeness

92.8%

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

\$6 million in grants

650 tons NOx reductions

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”

Geospatial Information Services

empowering customers of Mecklenburg County to make data-driven decisions

43 full time staff
4 divisions

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



exemplary rating in customer service
99.8% gis application availability

data maintenance metrics

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

in 1998 **25.1%** current **79%** by 2020 **85%**

286 miles walked by staff in 2016

Miles of
streams restored



21 since 1998

26 by 2018

3,025

Total
volunteers



33,573 lbs

of trash
removed by
volunteers

WATER & LAND RESOURCES

ORIGINATED 1998



Capital
Improvements



Operational
Budget

\$17.4M
Annual Budget

74 Full time
staff

MITIGATION



Buildings
demolished

Open space
reclaimed

In 2016

27

11.9 acres

Since 1998

433

155 acres

INSPECTIONS

✓ 2,814
Inspections

✓ 506
Plans Reviewed

✓ 126
Violations Issued

✓ 99%
Responded
to within 21 days

FLOOD INSURANCE

\$458,696

Annual Savings from
participating in
Community
Rating System



Floodplain Facts

- 350 miles
- 2500 buildings at risk
- \$26M flood claims since 1999



Preventative Mitigation

- 370 floodplain buyouts since 1999
- 676 Families relocated



Capital
Invested

\$63
MILLION

\$306
MILLION

Losses
Avoided



Outreach

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



Community Response



Results

71 Onsite Flood-Risk Evaluations

57
Flood Education



9
Technical Assistance



5
Approved Projects
\$33K allocated





\$2.2M
Diverted
Annually



By directing material to recycling, not landfill



77

Full Time
Employees



2000

Disposal Rate
tons per person per year



2016

A 41% reduction in
per capita waste



Metrolina Recycling Center
Contract Tonnage

2015



75,226

2016



75,839

WIPE OUT WASTE

Mecklenburg County
Recycling Solid 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



FY16 382,677 TONS



All Recycling Centers

Total Customers

FY15

536,253



FY16

621,003



Tonnage

FY15

28,081



FY16

36,395



Construction
& Demolition

1,200



Electronics

1,193



Household
Hazardous Waste

854



868



Yard Waste
Tonnage

104,617



108,839



Panthers Tailgate

100

Volunteers



79.22 tons

recyclables collected



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