

## INFORMATION SHEET

PRESIDING: Clodfelter, Beatty, Gray  
PLACE: Dobbs Building, Raleigh, North Carolina  
DATE: October 31, 2017 (Volume 2)  
TIME: 9:58 a.m. to 12:29 p.m.  
DOCKET NO.: E-2, Sub 1150  
COMPANIES: Duke Energy Progress, LLC  
DESCRIPTION: Application of Duke Energy Progress, LLC for a Certificate of Environmental Compatibility and Public Convenience and Necessity Pursuant to N.C. Gen. Stat. 62-100 et seq. to Construct Approximately 11.5 Miles of New 230 kV Transmission Line in Cleveland area of Johnston County, North Carolina

### APPEARANCES

FOR DUKE ENERGY PROGRESS, LLC:  
Lawrence B. Somers, Esq.  
Robert W. Kaylor, Esq.

FOR INTERVENOR OLIVER L. CANADAY:  
Oliver L. Canaday, Pro Se

FOR THE USING AND CONSUMING PUBLIC  
Heather D. Fennell, Esq.

### WITNESSES

Panel - James Umbdenstock, Timothy J. Same  
Gail Tyner  
Oliver L. Canaday

### EXHIBITS

Application of Duke Energy Progress, LLC for a Certificate of Environmental Compatibility and Public Convenience and Necessity and Exhibit A --/A  
Canaday Exhibit 1 I/A

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EMAIL COPIES ORDERED: Fennell

REPORTED BY: Linda Garrett  
TRANSCRIBED BY: Linda Garrett  
DATE TRANSCRIBED: November 14, 2017

TRANSCRIPT PAGES: 123  
PREFILED PAGES: 27

**FILED**

NOV 16 2017

Clerk's Office  
N.C. Utilities Commission

**NORTH CAROLINA UTILITIES COMMISSION**  
**APPEARANCE SLIP**

DATE Oct 31, 2017  
DOCKET #: E-2, Sub 1150  
NAME OF ATTORNEY Robert W. Kaylorz  
TITLE Attorney  
FIRM NAME Law Office of Robert W. Kaylorz, P.A.  
ADDRESS 353 E. Six Forks Rd., Ste 260  
CITY Raleigh NC  
ZIP 27609

**APPEARING FOR:** Duke Energy Progress, LLC

APPLICANT  COMPLAINANT \_\_\_\_\_ INTERVENO R \_\_\_\_\_  
PROTESTANT \_\_\_\_\_ RESPONDENT \_\_\_\_\_ DEFENDANT \_\_\_\_\_

PLEASE NOTE: Electronic Copies of the regular transcript can be obtained from the NCUC website at [HTTP://NCUC.commerce.state.nc.us/docksrch.html](http://NCUC.commerce.state.nc.us/docksrch.html) under the respective docket number.

\*There will be a charge of \$5.00 for each emailed copy of transcript.\*

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**NORTH CAROLINA UTILITIES COMMISSION**  
**APPEARANCE SLIP**

DATE 10/31/17  
DOCKET #: E-2, SB 1150  
NAME OF ATTORNEY Lawrence B. Sowers  
TITLE Deputy General Counsel  
FIRM NAME Duke Energy Corp.  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_  
ZIP \_\_\_\_\_

**APPEARING FOR:** Duke Energy Progress, LLC

APPLICANT  COMPLAINANT \_\_\_\_\_ INTERVENOR \_\_\_\_\_  
PROTESTANT \_\_\_\_\_ RESPONDENT \_\_\_\_\_ DEFENDANT \_\_\_\_\_

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**Signature:** \_\_\_\_\_  
(Required for distribution)

**NORTH CAROLINA UTILITIES COMMISSION**  
**APPEARANCE SLIP**

DATE 31 Oct 2017  
DOCKET #: E21 Sub 1150  
NAME OF ATTORNEY INTERVENO Oliver L. Canada  
TITLE \_\_\_\_\_  
FIRM NAME Property Address - 909 Parker Town Road  
ADDRESS 713 Camellia Ave  
CITY Panama City, FL  
ZIP 32404

**APPEARING FOR:** Oliver L. Canada

APPLICANT \_\_\_\_\_ COMPLAINANT \_\_\_\_\_ INTERVENO R  
PROTESTANT \_\_\_\_\_ RESPONDENT \_\_\_\_\_ DEFENDANT \_\_\_\_\_

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Please check for the confidential portion of the transcript, only if a confidentiality agreement has been signed.  
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Signature: *Oliver L. Canada*  
(Required for distribution)

**NORTH CAROLINA UTILITIES COMMISSION**  
**PUBLIC STAFF - APPEARANCE SLIP**

DATE October 30, 2017 DOCKET #: E-2, Sub 1150

PUBLIC STAFF MEMBER Heather D. Fennell

ORDER FOR TRANSCRIPT OF TESTIMONY TO BE **EMAILED** TO THE PUBLIC STAFF - PLEASE INDICATE YOUR DIVISION AS WELL AS YOUR EMAIL ADDRESS BELOW:

ACCOUNTING \_\_\_\_\_

WATER \_\_\_\_\_

COMMUNICATIONS \_\_\_\_\_

ELECTRIC \_\_\_\_\_

GAS \_\_\_\_\_

TRANSPORTATION \_\_\_\_\_

ECONOMICS \_\_\_\_\_

LEGAL heather.fennell@psncuc.nc.gov

CONSUMER SERVICES \_\_\_\_\_

PLEASE NOTE: Electronic Copies of the regular transcript can be obtained from the NCUC web site at [HTTP://NCUC.commerce.state.nc.us/docksrch.html](http://NCUC.commerce.state.nc.us/docksrch.html) under the respective docket number.

\_\_\_\_\_ Number of copies of confidential portion of regular transcript (assuming a confidentiality agreement has been signed). Confidential pages will still be received in paper copies.

\*\*\*PLEASE INDICATE BELOW WHO HAS SIGNED A CONFIDENTIALITY AGREEMENT. IF YOU DO NOT SIGN, YOU WILL NOT RECEIVE THE CONFIDENTIAL PORTIONS!!!!

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
Signature of Public Staff Member



Lawrence B. Somers  
Deputy General Counsel  
Mailing Address:  
410 S. Wilmington Street  
NCRH 20  
Raleigh, NC 27601

o: 919.546-6722  
f: 919.546.2694

bo.somers@duke-energy.com

July 14, 2017

**VIA ELECTRONIC FILING**

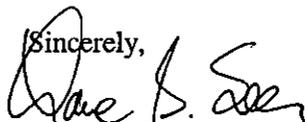
Ms. M. Lynn Jarvis, Chief Clerk  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, North Carolina 27699-4300

**Re: Application of Duke Energy Progress, LLC for a Certificate of Environmental Compatibility and Public Convenience and Necessity to Construct Transmission Line in the Cleveland Area of Johnston County, North Carolina  
Docket No. E-2, Sub 1150**

Dear Ms. Jarvis:

Pursuant to N.C. Gen. Stat. §§ 62-101 et seq. and Commission Rule R8-62, Duke Energy Progress, LLC ("DEP") submits for filing its Application, a draft public notice summary of the Application, and supporting testimony for a Certificate of Environmental Compatibility and Public Convenience and Necessity to construct approximately 11.5 miles of new 230kV transmission line in Cleveland area of Johnston County, North Carolina. The parties identified in N.C. Gen. Stat. § 62-102(b) will be served, and notice will be published in the appropriate newspapers, once the Commission approves the draft public notice summary pursuant to N.C. Gen. Stat. § 62-102(c). Pursuant to Commission Rule R8-62(f), DEP respectfully requests that the Commission please either notify DEP of the Commission's approval of such notice or of any required changes within three (3) business days of the filing of this Application. A check in the amount of \$250 is enclosed for the Application filing fee.

Thank you for your attention to this matter. If you have any questions, please let me know.

Sincerely,  
  
Lawrence B. Somers

Enclosures

cc: David Drooz (w/encls.)

OFFICIAL COPY

JUL 14 2017

--1A

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-2, SUB 1150

In the Matter of )  
 )  
Application of Duke Energy Progress, LLC )  
For a Certificate of Environmental )  
Compatibility and Public Convenience and )  
Necessity Pursuant to N.C. Gen. Stat. §§ 62- )  
100 et seq. to Construct Approximately 11.5 )  
Miles of New 230kV Transmission Line in )  
Cleveland area of Johnston County, North )  
Carolina )

**DUKE ENERGY PROGRESS,  
LLC'S APPLICATION FOR A  
CERTIFICATE OF  
ENVIRONMENTAL  
COMPATIBILITY AND PUBLIC  
CONVENIENCE AND  
NECESSITY**

OFFICIAL COPY  
Jul 14 2017

NOW COMES Duke Energy Progress, LLC (“Duke Energy Progress,” “DEP” or the “Company”), pursuant to N.C. Gen. Stat. §§ 62-100 et seq. and Rules R1-5 and R8-62 of the Rules of Practice and Procedure of the North Carolina Utilities Commission (“the Commission”) and files its Application for a Certificate of Environmental Compatibility and Public Convenience and Necessity (“Certificate”) to construct a new 230kV transmission line in the Cleveland area of Johnston County, North Carolina. The new transmission line will originate at the proposed Cleveland-Matthews Road 230kV/23kV transmission-to-distribution substation and terminate at the tap point along the existing Erwin-Selma 230kV transmission line. The total length of the proposed transmission line is approximately 11.5 miles. The project will be referred to in this application as the “Cleveland-Matthews Line.” In support thereof, DEP shows the following:

1. The Applicant’s general offices are located at 410 South Wilmington Street, Raleigh, North Carolina, and its mailing address is:

Duke Energy Progress, LLC  
410 S. Wilmington Street

NCRH 20 / P. O. Box 1551  
Raleigh, North Carolina 27602

2. The names and addresses of Applicant's attorneys are:

Lawrence B. Somers, Deputy General Counsel  
Duke Energy Progress, LLC  
NCRH 20/P.O. Box 1551  
Raleigh, North Carolina 27602  
Tel: (919) 546-6722  
[bo.somers@duke-energy.com](mailto:bo.somers@duke-energy.com)

Robert W. Kaylor  
Law Office of Robert W. Kaylor, P.A.  
353 Six Forks Road, Suite 260  
Raleigh, North Carolina 27609  
Tel: (919) 828-5250  
[bkaylor@rwkaylorlaw.com](mailto:bkaylor@rwkaylorlaw.com)

Copies of all pleadings, testimony, orders, and correspondence in this proceeding should be served upon the attorneys listed above.

3. Duke Energy Progress is engaged in the generation, transmission, distribution, and sale of electricity at retail in the eastern and western portions of North Carolina, and the northeastern portion of South Carolina. It also sells electricity at wholesale to many municipal, cooperative, and investor-owned electric utilities. The Company is authorized to transact business in the State of North Carolina and is a public utility under the laws of the State of North Carolina. Accordingly, its operations in the State of North Carolina are subject to the jurisdiction of the Commission.

4. DEP is required by the Federal Energy Regulatory Commission ("the FERC") to comply with the Reliability Standards of the North American Electric Reliability Corporation ("NERC"). NERC may impose stringent penalties for violations of NERC Reliability Standards. In accordance with these Reliability Standards, DEP

plans its transmission system to supply projected demands in a reliable manner at all demand levels over the range of forecast system demand, under contingency conditions. Further in compliance with these Reliability Standards, DEP routinely conducts studies of its transmission system to identify required improvements.

5. DEP provides electricity to approximately 1.5 million customers in North Carolina and South Carolina. Duke Energy Progress' assessment of electric energy requirements has identified the need to build a new 230kV/23kV transmission-to-distribution substation and a new 230kV transmission line to provide power to the substation in the Cleveland area of Johnston County, North Carolina. There are currently no transmission lines or substations in this area of Johnston County, which is roughly bounded by Interstate 40 on the west, Highway 70 Bypass on the north, Highway 70 on the east and Interstate 95 on the south. This area is approximately 125,000 acres in size and is located entirely within Duke Energy Progress' service territory, except for the portion within the city limits of Smithfield in the extreme southeastern corner of this area. Nine different substations and 13 distribution circuits currently feed into this area, including two substations located in Wake County. Six 23kV feeders from four substations from as far as 13 miles away terminate less than 1.5 miles from this site, and all six exceeded 17.6 MVA during the 2016 Winter peak which is the Winter Planning Limit. This new substation site was purchased in 2015 based on the projected load center in the vicinity of Cleveland Road and Matthews Road. The new substation and associated transmission line are required to provide needed capacity and enhanced service reliability to support residential and commercial customer growth.

6. The new Cleveland-Matthews Line will connect the proposed Cleveland-Matthews Road 230kV/23kV Substation to the existing Erwin-Selma 230kV transmission line. The total length of the proposed transmission line is approximately 11.5 miles.

7. DEP retained Burns & McDonnell Engineering Company, Inc. to assist with the comprehensive transmission line siting and public input process for the Cleveland-Matthews Line. The study area is located in east-central North Carolina in Johnston and Wake Counties. The overwhelming majority of the study area is located in Johnston County, with a small portion of Wake County comprising the northwest portion of the study area. The western boundary of the study area runs along DEP's existing Erwin-Milburnie 230kV transmission line. The northern portion of the study area extends eastward from the Town of Garner, and the eastern boundary runs along the existing Lee-Milburnie 230kV transmission line. The southern boundary of the study area extends along the Erwin-Selma 230kV transmission line. The study area encompasses approximately 277 square miles and is shown in Figure 2-1 of the Routing Study and Environmental Report ("Report"), attached as Exhibit A to this Application.

8. The preferred route for the Cleveland-Matthews Line originates at the site of the proposed Cleveland-Matthews Road Substation, located on the southeast corner of Polenta Road and Matthews Road in Johnston County, North Carolina. The route exits the substation site to the southeast and extends for approximately 0.5 mile before turning west for approximately 0.2 mile while crossing Matthews Road. The route then continues south for approximately 0.9 mile before crossing Middle Creek. From this point, the preferred route extends generally southeast for approximately 1.8 miles before crossing NC State Highway 210. The route then continues south-southeast for approximately 0.9

mile before crossing Lassiter Road. From here, the route extends approximately 0.5 mile south-southeast before crossing Hickory Grove Church Road. The route then extends southeast for approximately 0.9 mile and crosses King Mill Road. Continuing southeast for another 0.2 mile, the route then turns and travels east for approximately 0.4 mile before turning south. The route extends south-southeast for 0.6 mile and crosses Black Creek. Turning southeast, the route then extends 0.8 mile and crosses Elevation Road. The route continues to travel southeast for another approximately 0.9 mile and then turns south for 0.6 mile and crosses Old School Road. The route then turns southwest for only 0.1 mile and then turns south for 0.3 mile before crossing Jackson Road. The route continues to the south for 0.3 mile before turning southeast, extending approximately 0.4 mile, and crossing an existing CSX/Amtrak railroad line. The route continues southeast for approximately 1.3 miles, crossing U.S. Highway 301, Parker Road, and Interstate 95 before terminating at a tap point along the existing Erwin-Selma 230kV transmission line. This route is 60,791 feet (approximately 11.5 miles) in length, as shown in Figure 4-5 of the Report.

9. The transmission line routing process, studies and physical properties are fully described in the Report. The Report satisfies all of the requirements of N.C. Gen. Stat. § 62-102. Exhibit B is a draft public notice summary of the Application that DEP proposes to publish in the newspapers of general circulation serving the portions of Johnston County impacted by the proposed line. DEP will publish this public notice summary upon Commission approval and serve the parties identified in N.C. Gen. Stat. § 62-102(b) with a copy of this Application and a notice stating the date the Application

Docket No. - E-2, Sub 1150

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Public

Canaday Exhibit 1

FILED

OCT 23 2017

Clark's Office  
N.C. Utilities Commission

19 Oct. 2017

From: Oliver L. Canaday, 713 Camellia Ave., Panama City, FL 32404  
- (pertains to farm on 909 Parker Town Road, Four Oaks, N.C.)

To: Chief Clerk of the North Carolina Utilities Commission, 4325 Mail Service Center  
- Raleigh, N.C. 27699-4300

Ref: (a) N.C. Utilities Commission Rules R1-5

(b) N.C. Utilities Commission Rules R1-19

(c) Application of Duke Energy Progress, LLC, for a Certificate of Environmental  
- Compatibility and Public Convenience and Necessity to Construct Approx-  
- imately 11.5 Miles of New 230kV Transmission Line in Johnston County,  
- N.C.; via Docket No. E-2, Sub 1150

(d) N.C. Utilities Commission Rules R1-28

Encl: (1) Agriculture Review, From the Tractor, by Agri-Commissioner Steve Troxler

(2) 2016 N.C. State Agriculture Overview, (crops yield/acre)

(3) Forestry Impact Johnston County, N.C., (shows income from timber sales)

Subj: Petition to Intervene as Formal Party of Record, (Property Owner of Farm  
- Located on/about 909 Parker Town Road, Four Oaks, N.C.); reference to  
- Docket No. E-2, Sub 1150

1.- IAW reference (a), (b), & (d), -Oliver L. Canaday Petitions to Intervene.

**a. Complaints of Fraud in reference (c), listed below:**

**1. -All property owners were not notified of public hearing (as stated)**  
on/about 16 & 17 Nov. 2016. I am a property owner and I was not notified by Duke  
Energy until on/about 17 May 2017. I inherited farm on/about mid Jul. 2001, and  
Johnston County Tax Office has sent me tax notice statements, like clock-work, each  
year since. The Johnston County Tax Office has correct address for my tax bill.

-Specific relief sought, - Commission to issue a Cease & Desist Order for Docket  
No. E-2, Sub 1150 due to Fraud in Application.

**2. Reference (c) states there is not a transmission line in Cleveland area** of  
Johnston County, N.C., this is Fraud in application. -There is a 500kV transmission line  
that runs in Cleveland area; it is east of I-40 when it crosses Highway 42, Cleveland

# Public

Road (1010), and before it crosses Middle Creek. The reason I know this, I have made a recon of area and seen where the 500kV transmission line crosses the three reference points mentioned. Two examples of 500kV tap line configuration to make electric power useful in homes/business), are; Knightdale, N.C. (pop-14,794) & Fayetteville, N.C. (pop-204,759)

Specific relief sought, -Commission to issue a Cease & Desist Order for Docket No. E-2, Sub 1150 due to Fraud in Application. --- \*\*\*\*\*-Also, Commission Order Duke **initiate a Comprehensive Study** for a tap-line hook-up to 500kV line (parallel to Middle Creek away from homes); -(configuration of requirements to come off 500kV line and convert this electric power for use at Duke sub-station site on Matthews Road). Reference (c) estimates cost of preferred route 31, -(11.5 miles) is \$28 million; (or about \$2.4 million per mile). Supposing this hook-up can be done with distance of about four miles, X \$2.4 million/mile = \$9.6 million. The difference is about \$18.4 million, would expect a bit higher cost of configuration coming off 500kV line v/s coming off a 230kV line, but I believe \$18.4 million would cover extra expense.

\*\*\*\*\*This gives specific relief to Parker Town Road community: -Not having a 230kV line in community,- No EMF pollution for residences & farm workers,-No decrease in property value, -Option to build and improve property in Out-Years, & No increase in electric bill for cost of 11.5 mile transmission line.

**3. Reference (c) states/shows no business on preferred route 31.** This is Fraud information to Commission for decision making. Enclosure (1) & (2) shows farming crop land is a business; a \$76 billion business, and shows yield per/acre.

# Public

-(Each farmed acre is a business unit used to produce income to farmer working it. Comparison to growth/progress via land development, each house & lot is a business unit to developer/builder.) -Farm business needs to be weighted with 5 & cropland needs to be weighted with 5 in matrix. Justification, farming (profession) business & cropland provides livelihood for: shelter, food, & clothing to farmers/family; similar to person buying home in sub-division & working to provide: shelter, food, & clothing for their family. -Farming gives visual economic return: locally, state, & USA economy; -house/mortgage in Cleveland area affects economy in northern section of Johnston County. (I get it, -Cropland farmed does not pay monthly electric bill, neither does county collect as much property tax on farm crop land compared to real-estate; -but **return is most of USA population eats well & relative inexpensive; -I get it.**)

Specific relief sought, -Commission to issue a Cease & Desist Order for Docket No. E-2, Sub 1150, due to Fraud in Application.

**4. Reference (c) shows property owner's forest (woods) is not a business on preferred route 31.** This is Fraud information to Commission for decision making. Enclosure (3) shows property owners receive income from forest, via harvest of timber, and this is a \$multi-million dollar business and 794 jobs in Johnston County, N.C. (Each acre of forest on preferred route 31 needs a business weight of 4 and forest land needs a weight of 4.) -Justification is economic return to: local, state, & country's economy.

Specific relief sought, -Commission to issue a Cease & Desist Order for Docket No. E-2, Sub 1150, due to Fraud in Application.

Public

**5. Reference (c), environmental impact 5.0, 5.1...5.5 does not present an environmental impact for EMF pollution.** (There will be EMF pollution on preferred route 31, as I have taken several readings of (mG)10 about 50 meters from 230kV line; (same hook-up line for preferred route 31); crossing Parker Town Road about 500 meters east of I-95.) **-Not having EMF pollution impact in reference (c) is Fraud in Application, as it is incomplete.** Since Duke presents Duke Logo Environmental information to Commission; (as if an environmental impact); refer to page 139/179, title: **ENVIRONMENTAL RESPONSIBLE**, about Core Values (several listed). I will use the Core Value – “Minimizing Impact” & address two issues stated: “1- Effectively manage waste”, & 2- “Promote the Prevention of Pollution”. –Following is example of how Duke Energy exercises environmental responsible via Docket No. E-2, Sub 1142. Duke request to raise rates on consumers using electric service to pay for environmental clean-up of coal ash pits pollution due to **-Failure to manage coal ash waste pollution, & -Failure to prevent pollution of ground water and water in running streams.** This demonstrates “Failure” of Dukes’ Leadership & Management of human resource of Skills, Knowledge, & Ability of their scientist and engineers to control environmental pollution. \*\*By chance, Duke may state that an EMF pollution impact is not required by regulation/law/etc. –So, -“Why have a professional staff for EMF issues if no requirement by regulation/law/etc.”? -The logical purpose/reason to have a professional staff for EMF pollution is containing challenges & issues due to the various issues with EMF.

–I believe an environmental impact of preferred route 31 shall have an impact of EMF pollution on the following:

Public

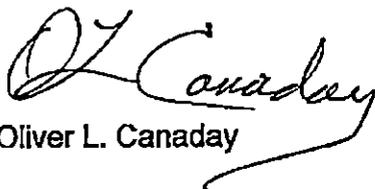
--Humans with all sickness associated with EMF pollution (start with BioInitiative 2012, & there are other good studies on EMF pollution)

--Livestock all EMF issues for hogs/pigs & cow/calves, etc., (some are - milk production/low weaning weight, still-births, not breeding), associated with EMF pollution

--Plant Crops, all EMF impact issues effecting plant growth & production per acre; (230kV lines thru middle of fields effect crop production per acre); impact for each crop: tobacco, corn, soybeans, cotton, hay, sweet potatoes, peanuts, wheat, milo, etc.

Specific relief sought, - Commission to issue a Cease & Desist Order for Docket No. E-2, Sub 1150.

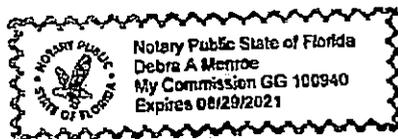
Sincerely,

  
Oliver L. Canaday

STATE OF FLORIDA  
COUNTY OF BAY

Subscribed before me this 19th day of October 2017 by Oliver L. Canaday who produced a valid Military ID Card as identification.

  
NOTARY PUBLIC



**Save the date:  
 Got to Be NC  
 Festival runs  
 May 20-22**

The Got to Be NC Festival returns to the State Fairgrounds in Raleigh May 20-22, highlighting agriculture and agribusiness, the state's No. 1 industry.

This family-friendly event proudly showcases the best of North Carolina at the Got to Be NC Food, Wine & Beer Home-grown Fare, presented by Lowes Foods. Also, there will be plenty of kids' activities, lumberjack shows, tractor displays, food, carnival rides and a barbecue cooking contest fundraiser.

If you love antique tractors and farm equipment, you won't have any problem finding them in all colors and sizes. Restored examples, along with rare tractors are on display each day, with many participating in the daily tractor parade at 1 p.m.

Festival admission is free, with pay-as-you-go rides and food, and \$3 admission for the food, wine and beer expo. Gates open Friday from noon to 10 p.m., Saturday, 9 a.m. to 10 p.m. and Sunday 9 a.m. to 8 p.m.

To find out more about the festival, go to <http://gottobeno-festival.com/>.

**Caution urged with spring debris burning**

The N.C. Forest Service is urging residents across the state to think safety and exercise caution during the spring fire season, which typically lasts from March to May.

During the spring fire season, people do a lot of yard work that often includes burning leaves and yard debris. There are many factors to consider before doing any burning.

"If you're thinking about burning debris, contact your county forest ranger first," said Agriculture Commissioner Steve Troxler.

"The forest ranger can offer technical advice and explain the best options to help maximize safety for people, property and the forest."

For people who choose to burn debris, the NCFS urges them to adhere to the following tips to protect property and prevent wildfires:

- Consider alternatives to burning. Some yard debris, such as leaves and grass, may be more valuable if composted.
- Check with your county fire marshal's office for local laws on burning debris. Some communities allow burning only during specified hours; others forbid it entirely.
- Make sure you have an approved burning permit, which can be obtained at any NCFS office, county-approved burning permit agent, or online at <http://ncforestservice.gov>.

- Check the weather. Don't burn if conditions are dry or windy.
- Only burn natural vegetation from your property. Burning household trash or any other man-made materials is illegal. Trash should be hauled away to a convenience center.
- Plan burning for the late afternoon when conditions are typically less windy and more humid.
- If you must burn, be prepared. Use a shovel or hoe to clear a perimeter around the area where you plan to burn.
- Keep fire tools ready. To control the fire, you will need a hose, bucket, a steel rake and a shovel for tossing dirt on the

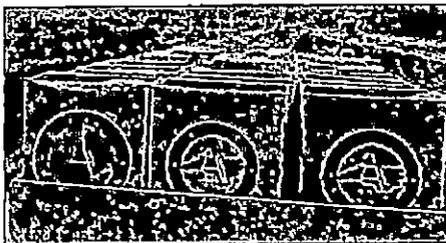
- fire.
  - Never use flammable liquids such as kerosene, gasoline or diesel fuel to speed burning.
  - Stay with your fire until it is completely out. In North Carolina, human carelessness leads to more wildfires than any other cause. In fact, debris burning is the No. 1 cause of wildfires in the state.
  - These same tips hold true for campfires and barbecues, too. Douse burning charcoal briquettes or campfire thoroughly with water. When the coals are soaked, stir them and soak them again. Be sure they are out cold and carefully
- (See Spring burning, pg. 2)

**PayNow link makes it easier to pay for agronomic services**

Consumers are pretty accustomed to loading up their online retail shopping carts, hitting the pay button and simply waiting for their merchandise to arrive in a few days. Online shopping is convenient, and it doesn't involve waiting in line or finding a parking space.

To help customers easily pay for services, the Agronomic Services Division recently rolled out a new PayNow feature on its PALS website, which lets customers pay by credit card and get instant access to their test results.

PALS stands for Public Access Laboratory-Information-management System, a website where



Agronomic customers can now pay their testing fees online using a new PayNow feature on the Agronomic Services Division website.

was added, customers would have to mail a check to the division to cover testing fees. Regular customers could create an escrow account for fees to be drawn against, but the process wasn't as quick and easy.

Since the feature's soft launch in mid-January, clients have found their way to the feature, without any real promotion of it.

"I've been pleased with the response so far," said Colleen Huduk-Wise, director of the Agronomic Services Division.

(See PayNow, pg. 8)

farmers, homeowners and crop advisers can check on results of tests of soil, plant tissue, waste, solution, soil-less media and nematode assays.

Before the PayNow feature

**From the tractor**

by Agriculture Commissioner Steve Troxler



Commissioner Troxler

In late March, I was pleased to help N.C. A&T State University recognize Don and Aleese Williams of Sampson County as the 2016 Small Farmers of the Year. This year marked the 30th anniversary of Small Farms Week, which highlights the important contributions of small farms

across this state.

The Williams' farm produces free-range pasture pork from farrow to finish using heritage breeds Hampshire and Chester White.

According to the 2012 Census of Agriculture, we have around 50,000 farms in the state. Of that, 82 percent of them are 180 acres or less in size.

The economic impact of these businesses is anything but small, especially in our rural communities where farm dollars support ag supply stores, trucking operations and other community businesses and government.

North Carolina's agriculture and agribusiness industry is \$76 billion strong, leading our economy and creating jobs in areas

where big industry doesn't exist. This industry has been the foundation of our state and has helped build some of our biggest cities. I cannot begin to imagine what North Carolina would be without agriculture and agribusiness.

And we are working hard to support this industry and position it for future growth. I am confident that agriculture and agribusiness will be a \$100 billion industry moving forward.

Some people may look at agriculture as an industry of the past, but it is anything but that. In fact, with a growing global population that will need to eat, we are going to need each and every farm we can get to keep up with demand.

That represents a tremendous opportunity. We are fortunate in

North Carolina to have many farmers such as the Williamses, who understand what it takes to produce food. They are good at it and we can all be thankful for that. Their success means we have a locally grown safe, affordable and abundant supply of food choices.

As we head into the growing season, I encourage you to support your local farmers whenever possible. Look for local products in your grocery stores, at restaurants and at farmers markets and roadside stands. Your support helps boost our economy and keep agriculture strong in this state.

And thank you to those who toil to provide us with safe wholesome foods.

Public

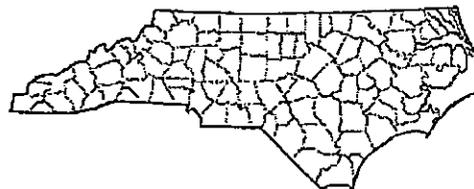
# 2016 STATE AGRICULTURE OVERVIEW

## North Carolina

† Survey Data from Quick Stats as of: Oct/19/2017

### Farms Operations†

Farm Operations - Area Operated, Measured in Acres / Operation	171
Farm Operations - Number of Operations	48,000
Farm Operations - Acres Operated	8,200,000



### Livestock Inventory†

Cattle, Cows, Beef - Inventory ( First of Jan. 2017 )	370,000
Cattle, Cows, Milk - Inventory ( First of Jan. 2017 )	45,000
Cattle, Incl Calves - Inventory ( First of Jan. 2017 )	830,000
Goats, Meat & Other - Inventory ( First of Jan. 2017 )	50,000
Goats, Milk - Inventory ( First of Jan. 2017 )	6,400
Sheep, Incl Lambs - Inventory ( First of Jan. 2017 )	30,000
Hogs - Inventory ( First of Dec. 2016 )	9,300,000
Chickens, Broilers - Production, Measured in Head	818,700,000
Turkeys - Production, Measured in Head	33,500,000

### Milk Production†

Milk - Production, Measured in Lb / Head	20,978
Milk - Production, Measured in \$	165,015,000
Milk - Production, Measured in Lb	965,000,000

### Crops - Planted, Harvested, Yield, Production, Price (MYA), Value of Production† Sorted by Value of Production in Dollars

Commodity	Planted All Purpose Acres	Harvested Acres	Yield	Production or Sales	Price per Unit	Value of Production or Sales in Dollars
<b>TOBACCO</b>						
TOBACCO		168,000	1,999 LB / ACRE	331,800,000 LB	1.94 \$ / LB	647,046,000
<b>SOYBEANS</b>						
SOYBEANS	1,690,000	1,660,000	35 BU / ACRE	58,100,000 BU	9.8 \$ / BU	572,285,000
<b>CORN</b>						
CORN, GRAIN		940,000	129 BU / ACRE	121,260,000 BU	4.05 \$ / BU	491,103,000
CORN	1,000,000					
CORN, SILAGE		40,000	15.5 TONS / ACRE	620,000 TONS		
<b>SWEET POTATOES</b>						
SWEET POTATOES	98,000	95,000	180 CWT / ACRE	17,100,000 CWT	18.1 \$ / CWT	342,000,000
<b>HAY</b>						
HAY		687,000	2.31 TONS / ACRE	1,587,000 TONS	116 \$ / TON	184,805,000
HAY, (EXCL ALFALFA)		680,000	2.3 TONS / ACRE	1,564,000 TONS	115 \$ / TON	179,860,000
HAY, ALFALFA		7,000	3.3 TONS / ACRE	23,000 TONS	215 \$ / TON	4,945,000
<b>HAY &amp; HAYLAGE</b>						
HAY & HAYLAGE						184,805,000
HAY & HAYLAGE, ALFALFA	1,000					
<b>COTTON</b>						
COTTON, UPLAND	280,000	255,000	646 LB / ACRE	343,000 480 LB BALES	0.63 \$ / LB	108,864,000
COTTON, COTTONSEED				99,000 TONS	184 \$ / TON	20,240,000
COTTON	280,000	255,000	646 LB / ACRE	343,000 480 LB BALES		
<b>PEANUTS</b>						
PEANUTS	101,000	99,000	3,530 LB / ACRE	349,470,000 LB	0.213 \$ / LB	75,824,000
<b>WHEAT</b>						
WHEAT, WINTER	420,000	355,000	41 BU / ACRE	14,555,000 BU	4.61 \$ / BU	66,953,000
WHEAT	420,000	355,000	41 BU / ACRE	14,555,000 BU	4.61 \$ / BU	66,953,000
<b>BLUEBERRIES</b>						
BLUEBERRIES, TAME, UTILIZED			6,390 LB / ACRE	46,000,000 LB		88,924,000
BLUEBERRIES, TAME, FRESH MARKET				34,800,000 LB	1.73 \$ / LB	60,204,000
BLUEBERRIES, TAME, PROCESSING				11,200,000 LB	0.6 \$ / LB	6,720,000
BLUEBERRIES, TAME		7,200		46,600,000 LB	1.45 \$ / LB	
<b>TOMATOES</b>						
TOMATOES, IN THE OPEN, FRESH MARKET						51,894,000
TOMATOES, IN THE OPEN	3,200	3,100	310 CWT / ACRE	961,000 CWT		51,894,000

Public

# FORESTRY IMPACTS

## Johnston County, NC



### Map Legend

- ◆ Chip Mills (pulpwood)
- ⊗ OSB / MDF (pulpwood)
- Pellets (pulpwood / residue)
- ⊙ Pulp and Paper (pulpwood)
- ⊕ Sawmill (sawlogs)
- ▨ Hardwoods (Includes Woody Wetlands)
- ▩ Softwoods
- Boundaries
  - Federal
  - State
  - Tribal

## 2012 Forest Industry Economic Impact

### Income From Timber Sales<sup>1</sup>:

Income Source	NC	Johnston County
Forest stumpage (\$mill.)	\$ 391.5	\$ 1.9
Delivered forest products (\$mill.)	\$ 774.9	\$ 3.9

### Forest Industry Economic Impact<sup>2</sup>

Total Impact	NC	Johnston County
Output (\$mill.)	\$21,700	\$147.7
Labor income (\$mill.)	\$5,525	\$35.6
Employment	103,000	794

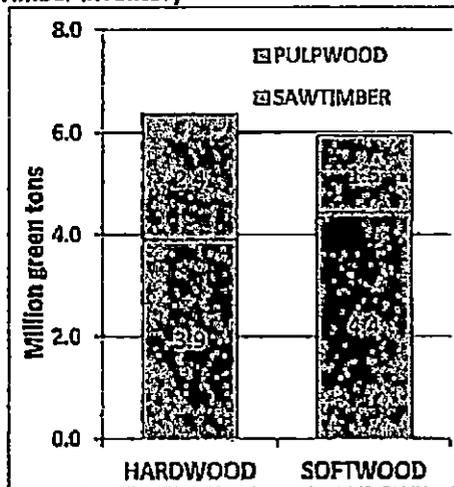
## NC STATE UNIVERSITY

## 2012 State and County Data

### Timberland<sup>3</sup> and Reserved Forestland<sup>4</sup> by Ownership

Ownership	NC	Johnston County
Acres		
Public Timberland	2,678,104	7,329
Private Timberland	15,443,362	219,135
Reserved Forestland	380,130	0
<b>Total</b>	<b>18,501,596</b>	<b>226,464</b>
All Land	31,531,452	509,126
%Timberland	59%	44%
%Reserved	2%	0%

### Timber Inventory



### Timber Growth Vs Harvests<sup>5</sup>

Volume Estimate	NC	S. Coastal Plain
Million green tons		
Growth	49.2	13.2
Harvest	33.7	9.45
Growth:harvest ratio	1.46	1.40

*This region is producing 40% more volume in timber than harvesting*

