

## TRANSPORTATION, LOGISTICS & INFRASTRUCTURE



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# TRANSPORTATION, LOGISTICS & INFRASTRUCTURE

## Major Interstates and Highways

North Carolina is known as “The Good Roads State” and the southeast region is no exception:

- The inter-regional network of roads and highways in the region provides ready access to:
  - > North-South Interstate 95
  - > East-West Interstate 40
  - > East-West Interstate 73/74 currently under enhancement
  - > US Highways 401, 501, 421, 701, 87, 1, 17 and 220
- The region’s strategic location relative to domestic and international markets provides an important competitive advantage.
- For information regarding planned highway improvements, refer to the North Carolina Department of Transportation’s Transportation Improvement Program (TIP).  
<http://www.ncdot.gov/planning/development/TIP/TIP/>

Source: North Carolina Department of Transportation, Division of Highways, March 2011 ([www.ncdot.gov](http://www.ncdot.gov)).

## Port of Wilmington, NC

The Port of Wilmington is strategically located on the U.S. East Coast. Owned and operated by the North Carolina State Ports Authority, the Port of Wilmington offers terminal facilities serving container, bulk and breakbulk operations. Wilmington is one of the few South Atlantic ports with readily available berths and storage areas for containers and cargo.

An aggressive capital program has positioned the Port of Wilmington in a new class of service to the maritime transportation industry. A 42-foot navigational channel offers customers additional vessel capacity. Readily available modern transit and warehouse facilities, new state-of-the-art Panamax container cranes and support equipment, and the latest in cargo management technology provide a broad platform for supporting international trade to the fast-growing Southeast U.S. market.

Surface transportation supporting the Port of Wilmington is superior to neighboring ports. CSX Transportation provides daily service for boxcar, tanker and general cargo services. The Port of Wilmington has ample capacity to support today’s cargo volumes and continues to invest in expanding the facility to meet projected growth in international trade, with a major expansion project currently under way. The Port is a C-TPAT Certified location and is designated as Foreign Trade Zone 66.

## FACILITIES

- 26 miles from the open sea on the Cape Fear River
- Channel depth is 42 ft.
- Nine berths with 6,768 ft. of wharf frontage; Berths with contiguous open apron areas up to 300 ft. wide
- 150 additional acres available for development
- Almost one million sq. ft. of prime covered and sprinklered storage
- 100+ acres of paved and 25 acres of semi-improved open storage area
- Rail access to berths, transit sheds, warehouses and open storage
- Direct transfer of heavy lift and dimensional loads between vessel and rail or truck

## OCEAN CARRIER SERVICES

### Far East Services

**Cosco Container Lines America Inc.** ([www.cosco.com](http://www.cosco.com))

Frequency: Two Sailings Weekly  
Foreign Ports: Full Far East Range

**Hanjin Shipping Co., Inc.** ([www.hanjin.com](http://www.hanjin.com))

Frequency: Two Sailings Weekly  
Foreign Ports: Full Far East Range

**United Arab Shipping Co.** ([www.uasc.net](http://www.uasc.net))

Frequency: One Sailing Weekly  
Foreign Ports: Pusan, Qingdao, Ningbo, Shanghai

**“K” Line America, Inc.** ([www.kline.com](http://www.kline.com))

Frequency: Two Sailings Weekly  
Foreign Ports: Full Far East Range

**Yang Ming Line** ([www.yml.com.tw](http://www.yml.com.tw))

Frequency: Two Sailings Weekly  
Foreign Ports: Full Far East Range

### Central America Services

**Maersk Line** ([www.maersk.com](http://www.maersk.com))

Frequency: Weekly Sailing  
Foreign Ports: Northern Zone Central America

### Trans Atlantic Services

**Independent Container Line, Ltd.** ([www.icl-ltd.com](http://www.icl-ltd.com))

Frequency: Weekly Sailing  
Foreign Ports: Liverpool, Antwerp, Bilbao, Lisbon

### Middle East Services

**National Shipping Company of Saudi Arabia** ([www.nscsa.com](http://www.nscsa.com))

Frequency: Every 21-24 days  
Foreign Ports: Saudi Arabia, UAE, Qatar, Jordan, Eritrea, Port Qasim, Mumbai, and Livorno

## PORT OF WILMINGTON STATISTICS TONNAGE Fiscal Year 2010

Container	Breakbulk	Bulk	Total	TEU's
1,917,237	207,335	1,304,755	3,429,327	250,048

Source: NC State Ports Authority, March 2011

## FOREIGN TRADE ZONES

- Can lower, defer or avoid import duties
- Entire Wilmington Terminal approved as Foreign Trade Zone 66
  - > Over 1 million square feet of warehouse space within main terminal
  - > Over 100 acres of open storage

Source: NC State Ports Authority [www.ncports.com], March 2011.

## Foreign Trade Zones

North Carolina currently boasts six approved general-purpose foreign trade zones. Several subzones have been approved for individual manufacturers. The entire Wilmington Port Terminal is in Foreign Trade Zone #66 and the NC Department of Commerce serves as the administrator for Foreign Trade Zone #66.

## Ports Competitive Study

The N.C. Department of Environment and Natural Resources will serve as a partner with the federal government in a study of the Wilmington Port. The feasibility study, to be conducted by the U.S. Army Corps of Engineers, will look at how the existing port could be upgraded and made more accessible to increased traffic and larger vessels.

North Carolina's ports are increasingly important to the state's economic growth and an upgraded port in Wilmington could enhance accessibility to businesses across the state, and could result in increased container ship traffic among the newer and larger vessels. In order for the port to stay competitive in this time of dramatic changes within the international container shipping industry, it is critical to look at enlarging the turning basin and modifying the channel alignment for safe navigation at the Port of Wilmington.

Source: NC Ports [www.ncports.com], March 2011.

## 2009 Economic Contribution of the Port of Wilmington

The Institute for Transportation Research and Education at North Carolina State University conducted a study to assess the contribution of the Port of Wilmington to the North Carolina economy in 2009. The top five imported commodities through the port in 2009 were chemicals, animal feed, cement, general merchandise/miscellaneous and metal products. The top five exported commodities were forest products, wood pulp, general merchandise/miscellaneous, scrap metal, and food products. The largest shipping partner was China.

Port services contributed almost \$6.4 billion to economic activity in the state in 2009, approximately 2% of the total amount of state economic activity. In comparison to other sectors, agriculture, forestry, fishing, and hunting contributed \$3.6 billion to the state's economy, utilities \$7.4 billion, and accommodation and food services \$9.8 billion. The contribution provided by the ports to the state's economy was approximately half that of travel within the state.

Port services supported almost 62,000 jobs, \$2.2 billion in labor income (payrolls and self-employment income), and \$472.8 million in sales tax, property tax, and state corporate and personal income tax collections. The supported jobs paid an average annual salary of \$37,300, greater than the average annual salary of 91 of the state's 100 counties.

The Port of Wilmington's output impact was approximately 12% of that of Georgia ports, 14% of that of South Carolina ports, and 16% of that of Virginia ports. The port's impact on jobs was approximately 22% of the Georgia port impact, 24% of the South Carolina port impact, and 18% of the Virginia port impact.



# TRANSPORTATION, LOGISTICS & INFRASTRUCTURE

## VALUE OF IMPORTED GOODS BY TOTAL, NC COMPONENT, AND VALUE ADDED

Port (type of goods)	Total Value of Transported Goods (\$)	Value of Transported Goods Remaining in NC (\$)	Value Added to NC Imports (\$)	Total Tons
<b>Wilmington</b> (Container)	4,679,990,000	4,564,650,000	2,908,720,000	674,000
<b>Morehead City</b> (Bulk/Breakbulk)	497,020,000	429,950,000	154,380,000	260,000
<b>Wilmington</b> (Bulk/Breakbulk)	635,410,000	494,270,000	212,240,000	1,289,000
<b>Port of Wilmington Subtotal</b>	5,315,400,000	5,058,920,000	3,120,960,000	1,963,000
<b>Port of Morehead City Subtotal</b>	497,020,000	429,950,000	154,380,000	260,000
<b>North Carolina State Ports Total</b>	5,812,420,000	5,488,870,000	3,275,340,000	2,223,000

## VALUE OF EXPORTED GOODS BY TOTAL AND NC COMPONENT

Port (type of goods)	Total Value of Transported Goods (\$)	Value of Transported Goods Produced in NC (\$)	Total Tons
<b>Wilmington</b> (Container)	1,639,550,000	350,250,000	1,027,000
<b>Morehead City</b> (Bulk/Breakbulk)	575,200,000	575,200,000	1,485,000
<b>Wilmington</b> (Bulk/Breakbulk)	322,550,000	209,080,000	377,000
<b>Port of Wilmington Subtotal</b>	1,962,100,000	559,330,000	1,404,000
<b>Port of Morehead City Subtotal</b>	575,200,000	575,200,000	1,485,000
<b>North Carolina State Ports Total</b>	2,537,300,000	1,134,530,000	2,889,000

Source: NCSPA 2009

## Airports

Air travel is highlighted in North Carolina's Southeast by a system of thirteen smaller airports and two larger airports offering commercial jet service, all of which are designed to accommodate private and commercial needs. The international hubs of Charlotte-Douglas and Raleigh-Durham are easily accessible from within the eleven-county region and handle approximately 500 and 300 daily flights respectively.

Commercial jet service is provided to Wilmington International Airport and Fayetteville Regional Airport. The Laurinburg-Maxton Airport with its accompanying industrial development complex is quickly evolving into a major facility and can accommodate most types of private and commercial usages.

### WILMINGTON INTERNATIONAL AIRPORT (ILM)

1740 Airport Boulevard, Wilmington, NC 28405

(www.flyilm.com)

- ILM provides for non-stop destinations to Atlanta, Charlotte, Chicago, New York, Orlando, Philadelphia and Washington, DC and offers hundreds of other direct domestic and international flights with only one stop.

- Current providers are US Airways (www.usair.com), ASA/Delta Connection (www.delta.com) and Allegiant Air (www.allegiantair.com).
- Served a total of 822,000+ passengers in 2010.

### FAYETTEVILLE REGIONAL AIRPORT (FAY)

400 Airport Road, Fayetteville, NC 28306

(www.flyfay.com)

- Fayetteville Regional Airport serves a 12-county area in the Sandhills of southern North Carolina, along the I-95 corridor.
- Fayetteville Regional Airport is serviced by two main airlines: US Airways Express, with daily service to its Charlotte, NC hub and ASA, the Delta Connection, with daily service to its Atlanta hub.
- Fayetteville Regional Airport offers direct service to Dallas by American Eagle Airline.
- Served a total of 380,000+ passengers as of September 2010.

## NON-COMMERCIAL AIRPORTS

County	Name of Airport	Location
<b>Bladen</b>	Bladenboro Airport (3w6)	Bladenboro
<b>Bladen</b>	Curtis L. Brown, Jr. Field (EYF)	Elizabethtown
<b>Brunswick</b>	Brunswick County Airport (SUT)	Oak Island
<b>Brunswick</b>	Ocean isle Airport (60J)	Ocean Isle Beach
<b>Columbus</b>	Columbus County Municipal (CPC)	Whiteville
<b>Cumberland</b>	Grays Creek Airport (2GC)	Fayetteville
<b>Hoke</b>	PK Airpark (5WH)	Raeeford
<b>New Hanover</b>	Holly Ridge/Topsail Island Airport (N21)	Holly Ridge/Topsail Beach
<b>Pender</b>	Henderson Field Airport (ACZ)	Wallace
<b>Richmond</b>	Richmond County Airport (RCZ)	Rockingham
<b>Robeson</b>	Lumberton Municipal Airport (LBT)	Lumberton
<b>Sampson</b>	Sampson County Airport	Clinton
<b>Scotland</b>	Laurinburg-Maxton Airport (MEB)	Laurinburg-Maxton

Source: NC 2009 Airport Guide, North Carolina Department of Transportation, Division of Aviation [www.ncdot.gov/transit/aviation], March 2011.

## Railways

### FREIGHT RAILWAY FAST FACTS

- NCSE Region is a crossroads for national rail transportation, from the classification yards in Hamlet to the international facilities in Wilmington.
- Availability of high-quality rail services is a major economic feature of the Southeast.
- Primary North-South and East-West routes cross near the geographic center of the region and include some of the longest sections of straight and level tracks in the nation.

### TWO OF THE NATION'S PREMIERE FREIGHT RAILWAY COMPANIES SERVE THIS REGION;

#### CSX Transportation

- Miles of track in North Carolina: 1,200
- Annual NC carloads: 170,000
- NC industries served: 400
- One north-south mainline connects the Northeast and Florida
- An east-west mainline connects Wilmington and Charlotte to Atlanta and New Orleans.
- A second north-south mainline connects Detroit to Atlanta via Marion, N.C

- A local route runs from Rocky Mount eastward, serving Greenville and Plymouth.
- Freight-classification yards are located at Hamlet and Rocky Mount
- An intermodal terminal is located in Charlotte

#### Norfolk Southern

- Miles of track in North Carolina: 1,450
- Annual NC carloads: 593,712
- NC industries served: 723
- One north-south mainline connects the Northeast and Midwest to Atlanta via Danville, Va., Greensboro and Charlotte.
- A second north-south mainline connects Tennessee to Spartanburg, S.C. through Asheville, while an east-west mainline connects Salisbury and Asheville.
- Operates freight-classification yards at Charlotte and Raleigh, intermodal terminals at Charlotte and Greensboro, and an automobile distribution center at Winston-Salem.
- Key classification yard located in Linwood, NC
- Two additional routes serve eastern North Carolina.
- Two rail hubs, located in Hamlet and Leland

# TRANSPORTATION, LOGISTICS & INFRASTRUCTURE

## INDEPENDENTLY OWNED RAIL SERVICE PROVIDERS (SHORT LINES)

**Carolina Southern Railroad (CALA)**, Chadbourn, NC (Columbus County) operates in the southeastern corner of NC between Whiteville & Mullins, SC and between Chadbourn & Conway SC.

- Miles of track: 76.5
- Carloads: 15,000 per year—1,500,000 tons
- Industries Served: 25
- Equipment: 11 locomotives
- Commodities carried by the railroad are coal, wood products, stone, grain, agricultural chemicals, and processed food.
- Industrial parks in Columbus County are accessible to the line.
- The railroad connects with CSX Transportation at Mullins SC and with the Waccamaw Coast Line in Conway, SC.

**Aberdeen & Rockfish Railroad Co. (AR)**, Aberdeen, NC (Cumberland/Hoke Counties) operates in the state's south-central Sandhills region—between Aberdeen and Fayetteville—and serves businesses in Moore, Hoke, and Cumberland counties.

- [www.aberdeen-rockfish.com](http://www.aberdeen-rockfish.com)
- Miles of track: 46
- Carloads: 6,000 per year—400,000 tons
- Industries served: 25
- Equipment: 5 locomotives
- It operates Two intermodal rail-to-truck transfer operations (River Terminal/Tidewater Transit Co. and Mid-Atlantic Transloading) handle bulk chemicals, plastic, petroleum, fertilizer, steel, and other bulk products.
- The A&R serves the 1,300 acre Hoke Regional Industrial Park, the largest dual rail-served industrial park in the state of North Carolina. This Park is certified "shovel ready" by the North Carolina Department of Commerce.
- The A&R provides direct connections with CSX Transportation and Norfolk Southern Railway.

**Laurinburg & Southern Railroad (LRS)**, Gulf & Ohio Railways, Laurinburg, NC (Hoke/Scotland Counties)

- [www.gorailways.net](http://www.gorailways.net)
- Miles of track: 28
- Carloads: 7,500 per year
- Industries served: 18
- Equipment: 4 locomotives
- Operates in south-central North Carolina from Johns through Laurinburg to Raeford, serving shippers in Scotland and Hoke counties.
- Commodities carried by the railroad are grain, fertilizer, soda ash, coal, and lime. The L&S connects with CSX and the Aberdeen & Rockfish Railroad.

## PASSENGER RAILWAY

**Amtrak's North-South Silver Meteor and Palmetto** trains have daily scheduled service to the Fayetteville Train Station in route between New York and Miami.

- Full service station with ticket sales and checked baggage service available in Fayetteville, NC.
- Check website for schedules: [www.amtrak.com](http://www.amtrak.com)

**Amtrak's North-South Silver Star** train has scheduled daily service to the Hamlet train depot in route between New York and Miami.

- Unstaffed station with attendant opening station one hour before and until one-half hour after all train arrivals and departures.
- Check website for schedule: [www.amtrak.com](http://www.amtrak.com)

## Water Quality/Availability

- The Cape Fear Basin serves as the primary water source for the northern part of the region and tends to flow swiftly to the coast.
- The water quality and water availability for the area is generally classified as good to excellent.
- The Cape Fear River is used in some instances for public and industrial water supply.
- Ground water resources are used extensively in the region for public water supplies and several industries. Several deep aquifers supply significant quantities of high quality water.

Source: Lumber River Council of Governments, Technical Assistance Division (Water Resources) April 2010 [[www.lrcog.dst.nc.us](http://www.lrcog.dst.nc.us)].

## Water Demand and Capacity By County

County	2005 Public Demand (MGD)	2005 Domestic Demand (MGD)	2005 Industry Demand (MGD)	2005 Irrigation Demand (MGD)	2005 Livestock Demand (MGD)	<b>2005 Total Demand (MGD)</b>	<b>2030 Total Demand (MGD)</b>	Est. Ground Supply (MGD)	Est. Surface Supply (MGD)	<b>Est. Total Supply (MGD)</b>
<b>Bladen</b>	1.99	1.16	13.84	4.92	1.14	<b>23.05</b>	<b>23.59</b>	239.684	65.691	<b>305.375</b>
<b>Brunswick</b>	19.09	1.40	8.09	0.73	0.11	<b>29.42</b>	<b>39.26</b>	256.975	102.790	<b>359.765</b>
<b>Columbus</b>	3.48	1.85	41.27	1.35	0.36	<b>48.31</b>	<b>49.60</b>	266.802	76.229	<b>343.031</b>
<b>Cumberland</b>	30.20	1.76	0.00	1.55	0.23	<b>33.73</b>	<b>53.49</b>	157.951	215.866	<b>373.817</b>
<b>Hoke</b>	2.63	1.43	0.45	1.14	0.12	<b>5.77</b>	<b>10.50</b>	163.208	58.849	<b>222.057</b>
<b>New Hanover</b>	36.98	1.87	5.24	0.12	0.02	<b>44.24</b>	<b>60.81</b>	59.920	17.976	<b>77.896</b>
<b>Pender</b>	1.14	2.38	0.00	1.60	0.42	<b>5.53</b>	<b>7.18</b>	260.918	104.367	<b>365.285</b>
<b>Richmond</b>	9.03	0.49	0.00	0.47	0.31	<b>10.29</b>	<b>14.85</b>	119.881	71.928	<b>191.809</b>
<b>Robeson</b>	22.23	1.10	1.35	2.10	0.69	<b>27.47</b>	<b>37.01</b>	280.338	84.577	<b>364.915</b>
<b>Sampson</b>	3.08	2.49	1.06	7.13	3.08	<b>16.84</b>	<b>19.29</b>	294.413	112.653	<b>407.066</b>
<b>Scotland</b>	4.82	0.53	3.89	0.90	0.09	<b>10.22</b>	<b>13.03</b>	151.478	37.902	<b>189.380</b>
<b>NCSE</b>	134.67	16.46	75.19	22.01	6.57	<b>254.87</b>	<b>328.61</b>	2251.568	948.828	<b>3200.398</b>
<b>Statewide</b>	958.62	161.88	293.06	135.21	26.21	<b>1611.34</b>	<b>2184.85</b>	17369.48	7225.60	<b>24595.08</b>

Source: North Carolina Rural Economic Development Center, Water 2030 — North Carolina Water Supply and Demand, dated February 23, 2006.  
[[www.ncruralcenter.org/pubs/watersupplyanddemand.pdf](http://www.ncruralcenter.org/pubs/watersupplyanddemand.pdf)].

# TRANSPORTATION, LOGISTICS & INFRASTRUCTURE

## Wastewater Treatment Capacity

Listed below by county, by owner, by facility is the wastewater treatment capacity permitted flow, as built flow, average flow and the percentage of permitted flow discharged for wastewater treatment facilities for the period of January 1, 2010 through December 31, 2010. The 46 facilities listed are publicly owned treatment works (POTWs).

County	Owner	Facility	Permitted Flow (mil gal/day)	As Built Flow (mil gal/day)	Average Flow (mil gal/day)	Percent of Permitted Flow Used
<b>Bladen</b>	Town of Bladenboro	Bladenboro WWTP	.5000	.5000	.4080	81.555
	Town of Clarkton	Clarkton WWTP	.2400	.2400	.1390	58.033
	Town of White Lake	White Lake WWTP	.8000	.8000	.4960	61.974
	Town of Elizabethtown	Elizabethtown WWTP	1.2250	1.2250	.5660	46.198
<b>Brunswick</b>	City of Southport	Southport WWTP	.8000	.8000	.1380	17.244
	Brunswick County	Carolina Shores WWTF	.5300	.5300	.5010	94.463
	N. Brunswick Sanitary District	Belville WTP	.8000	.4000	.2140	53.612
	Brunswick County	Northeast Brunswick WWTP	1.9600	1.9600	1.260	64.310
<b>Columbus</b>	Town of Fair Bluff	Fair Bluff WWTP	Connected	to the	Fairmont	Reg. System
	Town of Lake Waccamaw	Lake Waccamaw WWTP	.4000	.4000	.2090	52.133
	City of Whiteville	Whitemarsh WWTP	3.0000	3.0000	1.2960	43.212
	Town of Tabor City	Tabor City WWTP	1.1000	1.1000	.3710	33.755
	Town of Chadbourn	Chadbourn WWTP	1.0000	1.0000	.3730	37.337
	Columbus County	Columbus County WWTP	.1250	.1250	.0220	17.397
<b>Cumberland</b>	PWC/Fayetteville	Rockfish Creek WWTP	28.0000	21.0000	14.580	69.427
	PWC/Fayetteville	Cross Creek WWTP	25.0000	25.0000	12.466	49.864
	Town of Spring Lake	Spring Lake WWTP	1.5000	1.5000	.8940	59.574
	Dept. of Army	Fort Bragg WWTP & WTP	8.0000	8.0000	5.4940	68.679
<b>Hoke</b>	City of Raeford	Raeford WWTP	3.0000	3.0000	1.947	64.908
<b>New Hanover</b>	City of Wilmington	Northside WWTP	16.0000	10.0000	7.950	79.151
	City of Wilmington	Southside WWTP	12.0000	12.0000	8.734	72.779
	Town of Carolina Beach	Carolina Beach WWTP	3.0000	3.0000	1.592	53.054
	Town of Kure Beach	Kure Beach WWTP	.2850	.2850	.0430	15.184
	New Hanover County Water & Sewer District	Walnut Hills WWTP	.1000	.1000	.0470	46.734
	New Hanover County Water & Sewer District	Landfill WTP	.0640	.0500	.0025	51.800
	New Hanover County Water & Sewer District	421 WTP	4.000	Not Built	.0000	N/A
<b>Pender</b>	Town of Burgaw	Burgaw WWTP	.7500	.7500	.4600	61.354
<b>Richmond</b>	City of Hamlet	Hamlet WWTP	1.0000	1.0000	.7830	78.278
	Town of Ellerbe	Ellerbe WWTP	.1800	.1800	.0730	40.302
	City of Rockingham	Rockingham WWTP	9.0000	9.0000	2.7490	30.545

County	Owner	Facility	Permitted Flow (mil gal/day)	As Built Flow (mil gal/day)	Average Flow (mil gal/day)	Percent of Permitted Flow Used
<b>Robeson</b>	Town of Parkton	Parkton WWTP	.2000	.2000	.1420	71.206
	Town of St. Pauls	St. Pauls WWTP	.5000	.5000	.3960	79.241
	City of Lumberton	Lumberton WWTP	20.0000	20.0000	5.9480	29.742
	Town of Pembroke	Pembroke WWTP	1.3300	1.3300	.8340	62.738
	Town of Rowland	Rowland WWTP	.3870	.3870	.2290	59.215
	Town of Red Springs	Red Springs WWTP	2.5000	2.5000	.8940	35.748
	Town of Maxton	Maxton WWTP	.5000	.5000	.3130	62.592
	Town of Fairmont	Fairmont Regional WWTP	1.7500	1.7500	.8460	48.346
<b>Sampson</b>	Town of Roseboro	Roseboro WWTP	.4900	.7000	.3100	44.257
	City of Clinton	Norman H. Larkins WPCF	5.0000	5.0000	2.6990	53.989
	Town of Garland	Garland WWTP	.1260	.1260	.0740	58.915
	Town of Newton Grove	Newton Grove WWTP	.2000	.2000	.0580	28.851
<b>Scotland</b>	City of Laurinburg	Pilkington North American WWTP	.0300	.0300	.0110	36.947
	City of Laurinburg	Leiths Creek WWTP	4.0000	4.0000	2.206	55.155
	Laurinburg-Maxton Airport Commission	Laurinburg Industrial WWTP	2.0000	2.0000	.8700	43.476
	Laurinburg-Maxton Airport Commission	Laurel Hill/Maxton WWTP	.3000	.3000	.0540	18.042

Source: Special report compiled by North Carolina's Division of Water Quality, the National Pollutant Discharge Eliminations System (NPDES) Unit, Charles Weaver, [http://h20.enr.state.nc.us/NPDES/NPDESweb.html], February 1, 2011.

## Natural Gas

PNG announced an agreement with Progress Energy Carolinas to provide natural gas delivery service to the electric utility's power generation facility to be built at its existing Sutton site near Wilmington, N.C. Piedmont will construct approximately 133 miles of transmission pipeline and install 23,000 HP of new compression facilities to serve the new 620 MW combined cycle Sutton plant. Piedmont's capital investment in the pipeline and compression facilities is estimated at \$217 million. The new natural gas facilities will not only serve Progress Energy Carolinas' requirements at its new Sutton plant but will also create cost effective expansion capacity that Piedmont will use to help serve the growing natural gas requirements of its other customers in the eastern part of

North Carolina. Piedmont will begin construction of the new natural gas pipeline and compression facilities early in 2011 and be ready for service in June 2013.

- Piedmont Natural Gas distributes natural gas to 178,000 residential, commercial, industrial and wholesale accounts.
- Piedmont Natural Gas is the only natural gas provider in southeastern NC.
- For customer service or rate information contact (800)752-7504 or visit websites: www.ncng.com or www.piedmontng.com.

Source: NC Natural Gas Corporation, March 2011 [www.piedmontng.com].

# TRANSPORTATION, LOGISTICS & INFRASTRUCTURE

## Electricity

Electricity is provided for the eleven-county region by either Progress Energy Carolinas, one of seven electric membership corporations or one of five municipal power systems as outlined below (ElectriCities).

### PROGRESS ENERGY CAROLINAS

- Progress Energy Carolinas is a major provider of electricity for the region and has a broad range of rate options and energy services available to residential, small/medium business and large/commercial customers.
- Progress Energy Carolinas offers a menu of value-added energy services to help ensure efficient and economic energy consumption.
- For more information, please contact Progress Energy, customer service at (800) 452-2777 or visit the website: [www.progress-energy.com](http://www.progress-energy.com)

### ELECTRIC MEMBERSHIP CORPORATIONS SERVING RURAL AREAS

The rural areas are served by one of the following electric membership corporations that provide regulatory assistance, financial resource identification, market research, special lighting needs, commercial and industrial energy, and management surveys.

- Brunswick Electric Membership Corporation
- Four County Electric Membership Corporation
- Jones-Onslow Electric Membership Corporation
- Lumbee River Electric Corporation
- Pee Dee Electric Membership Corporation
- South River Electric Membership Corporation
- Tri-County Electric Membership Corporation

Source: Research of Individual corporation websites, May 2010

### ELECTRICITIES MUNICIPAL PUBLIC POWER SYSTEMS

- Public Works Commission of the City of Fayetteville
- City of Lumberton Public Utilities
- City of Laurinburg Public Utilities
- Town of Red Springs Public Utilities
- Town of Southport Public Utilities

Source: [www.electricities.com](http://www.electricities.com), April 2010

## Telecommunications

Seven local telephone companies provide advanced telecommunications services to the eleven counties in North Carolina's Southeast. For more information, go to the website of the following companies listed below:

- AT&T ([www.att.com](http://www.att.com))
- Atlantic Telephone Membership Corporation ([www.atmc.net](http://www.atmc.net))
- Ellerbe Telephone Company (<http://etinternet.net>)
- TDS Telecom ([www.tdstelecom.com](http://www.tdstelecom.com))
- Century Link ([www.centurylink.com](http://www.centurylink.com))
- Star Telephone Membership Corporation ([www.stmc.net](http://www.stmc.net))
- Windstream Communications, Inc. ([www.windstream.com](http://www.windstream.com))

## Cable Access Providers

Eight cable access companies provide local TV cable service and some provide cable modem Internet access services as well as digital telephone service to the eleven counties in North Carolina's Southeast. For more information, contact any of the following cable companies listed below:

- Atlantic Telephone Membership Corporation ([www.atmc.net](http://www.atmc.net))
- Carolina Cable Partners ([www.bellsouth.com](http://www.bellsouth.com))
- MIM Cable
- StarVision, Inc. ([www.starvisions.tv](http://www.starvisions.tv))
- Tele-Media Corporation ([www.tele-media.com](http://www.tele-media.com))
- Time Warner Cable ([www.twc-nc.com](http://www.twc-nc.com))
- Wagram Cable TV

Source: e-NC, High Speed Internet Access Study-Provider Directory [[www.e-nc.org7](http://www.e-nc.org7)]