



REQUEST FOR BOARD ACTION

ITEM NO. 16.

DATE OF MEETING: November 7, 2011

REQUESTED BY: Michael Mack, Pender Utilities Director

SHORT TITLE: Resolution Supporting An Agreement with the Lower Cape Fear Public Utility Authority, the Cape Fear Public Utility Authority, and the North Carolina Department of Environment and Natural Resources to Address Potable Water Supply

BACKGROUND: The Lower Cape Fear Public Utility Authority and the Cape Fear Public Utility Authority have agreed by resolution to request the NC Department of Environment and Natural Resources enter into an agreement with the appropriate local governments and water authorities for the identification of appropriate water supply needs, sources and projects to meet long term water supply needs. The two authorities have agreed to share in the cost of a feasibility study and associated analysis estimated to cost \$100,000.

The authorities have asked for supporting resolutions from regional partners, including Pender County.

SPECIFIC ACTION REQUESTED: To consider a resolution entitled "Resolution Supporting An Agreement with the North Carolina Department of Environment and Natural Resources to Address Potable Water Supply".

COUNTY MANAGER'S RECOMMENDATION

Respectfully recommend approval.



Initial

RESOLUTION

NOW, THEREFORE BE IT RESOLVED by the Pender County Board of Commissioners that:

the Board hereby adopts the resolution entitled "Resolution Supporting An Agreement with the North Carolina Department of Environment and Natural Resources to Address Potable Water Supply". The Chairman/County Manager is authorized to execute any/all documents necessary to implement this resolution.

AMENDMENTS:

MOVED _____ SECONDED _____

APPROVED _____ DENIED _____ UNANIMOUS

YEA VOTES: Brown ___ Tate ___ Rivenbark ___ Ward ___ Williams ___

George R. Brown, Chairman _____
Date

ATTEST _____
Date

PENDER COUNTY BOARD OF COMMISSIONERS

RESOLUTION

SUPPORTING AN AGREEMENT WITH THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES TO ADDRESS POTABLE WATER SUPPLY

WHEREAS, counties proximate to the coast need to address potable water supply sources and storage, given anticipated demands on Cape Fear River water and ongoing saline intrusion into aquifers; and

WHEREAS, regional water supply planning can best address the needs of the Counties of New Hanover, Brunswick, Pender, Bladen, Columbus and the Lower Cape Fear Water & Sewer Authority and Cape Fear Public Utility Authority; and

WHEREAS, the local maximum safe withdrawal from the Cape Fear River at Lock and Dam No. 1 is 20% of the 7Q10 or 106 MGD and this allocation is shared equally between the Cape Fear Public Utility Authority and the Lower Cape Fear Water and Sewer Authority; and

WHEREAS, projections for demand indicate that the region's needs approach the maximum safe allocation within 30 years with no provision for storage or suitable safety factor for increased upstream demands, unanticipated regional demand, depletion of local aquifer resources, prolonged drought, or increased environmental base flow requirements; and

WHEREAS, the General Assembly in Session Law 2011-374 authorizes the State to work with localities and water authorities to identify water needs and sources, plan and budget for proposed new water supply projects, and apply for governmental permits for appropriate regional water supplies; and

WHEREAS, Session Law 2011-374 permits units of local government to contract with the Department of Environment and Natural Resources to conduct feasibility studies addressing long-term water supply needs and to plan and provide analysis of alternatives and technical assistance in applying for permits; and

WHEREAS, it is acknowledged that the Lower Cape Fear Water & Sewer Authority along with the Cape Fear Public Utility Authority will be required to reimburse the Department of Environment and Natural Resources the cost of all analysis as outlined and agreed upon by contract.

NOW, THEREFORE, BE IT RESOLVED, that the Pender County Board of Commissioners supports those efforts by the Lower Cape Fear Water & Sewer Authority, Cape Fear Public Utility Authority, and the State of North Carolina Department of Environment and Natural Resources to begin the process to insure that our region will have a sustainable water supply for the future.

ADOPTED this the _____th day of _____, 2011.

PENDER COUNTY

George Brown, Chairman

ATTEST:

Glenda Pridgen, Deputy Clerk to the Board

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October 13, 2011

Mr. Rick Benton
County Manager
County of Pender
Post Office Box 5
Burgaw, NC 28425

Dear Rick:

I would like to take the opportunity on behalf of the Board of Directors for the Lower Cape Fear Water & Sewer Authority to provide the Pender County Board of Commissioners a resolution for consideration by the board in November, 2011. The resolution entitled, *Resolution Supporting an Agreement with the North Carolina Department of Environment and Natural Resources to Address Potable Water Supply*, relates to the Cape Fear River.

On October 10, 2011 the Lower Cape Fear Water & Sewer Authority adopted a similar resolution to include a cost share agreement with the Cape Fear Public Utility Authority (CFPUA) to reimburse the North Carolina Department of Environment and Natural Resources the cost of a feasibility study and associated analysis. On October 12, 2011 the CFPUA Board of Directors adopted the joint resolution.

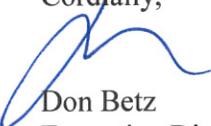
We recognize that this is a long range capital project that will involve federal agencies, state agencies and local government agencies. We would like to begin the process now in light of the recent drought history.

To encourage the state of North Carolina to work with localities and water authorities, we are seeking this Pender County supportive resolution.

I am enclosing a conceptual drawing and copy of the joint resolution. Please be advised that the Authority has all of this in a WORD document format if your staff desires to receive it in that manner.

Please provide a copy of the board's acceptance at your earliest convenience.

Cordially,


Don Betz
Executive Director

Enclosures

Cc: Jimmy Tate, Chairman
Board of Directors

Lower Cape Fear Water & Sewer Authority

1107 New Pointe Blvd, Suite 17
Leland, North Carolina 28451



phn 910.383.1919 fax 910.383.1949
www.lcfwasa.org

Water is Our Business

RESOLUTION
SUPPORTING AN AGREEMENT WITH THE
NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL
RESOURCES
TO ADDRESS POTABLE WATER SUPPLY

WHEREAS, counties proximate to the coast need to address potable water supply sources and storage, given anticipated demands on Cape Fear River water and ongoing saline intrusion into aquifers;

WHEREAS, regional water supply planning can best address the needs of the Counties of New Hanover, Brunswick, Pender, Bladen, Columbus and the Lower Cape Fear Water and Sewer Authority and Cape Fear Public Utility Authority;

WHEREAS, the local maximum safe withdrawal from the Cape Fear River is 20% of the 7Q10 or 106 MGD and this allocation is shared equally between the Cape Fear Public Utility Authority and the Lower Cape Fear Water and Sewer Authority;

WHEREAS, projections for demand indicate that the region's needs approach the maximum safe allocation within 30 years with no provision for storage or suitable safety factor for increased upstream demands, unanticipated regional demand, depletion of local aquifer resources, prolonged drought, or increased environmental base flow requirements;

WHEREAS, the General Assembly in Session Law 2011-374 authorizes the State to work with localities and water authorities to identify water needs and sources, plan and budget for proposed new water supply projects, and apply for governmental permits for appropriate regional water supplies;

WHEREAS, Session Law 2011-374 permits units of local government to contract with the Department of Environment and Natural Resources to conduct feasibility studies addressing long-term water supply needs and to plan and provide analysis of alternatives and technical assistance in applying for permits, and

WHEREAS, it is acknowledged that the Lower Cape Fear Water and Sewer Authority along with The Cape Fear Public Utility Authority will be required to reimburse the Department of Environment and Natural Resources the cost of all analysis as outlined and agreed upon by contract. It is anticipated that this feasibility study and associated analysis may cost approximately \$100,000.00 with an equal allocation borne by Lower Cape Fear Water & Sewer Authority and Cape Fear Public Utility Authority in order to undertake this initiative. Resolutions of support from regional partners will be requested.

NOW, THEREFORE, BE IT RESOLVED, that the Lower Cape Fear Water and Sewer Authority and the Cape Fear Public Utility Authority along with our regional partners requests that the Department of Environment and Natural Resources enter into an agreement with the appropriate local governments and water authorities for the identification of water supply needs and appropriate water supply sources and water storage projects to meet these needs and to

conduct associated studies, environmental evaluations, planning and budget estimates for such new water supply project(s).

ADOPTED this the 10th day of October, 2011.

Signature:

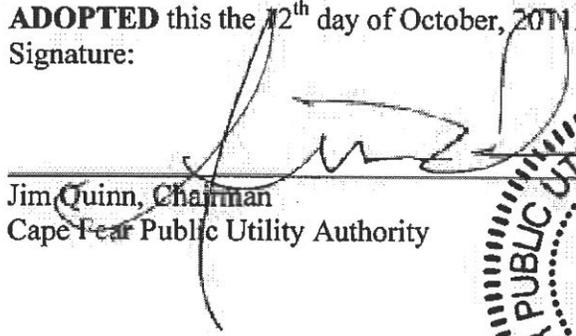


Jimmy Tate, Chairman
Lower Cape Fear Water and Sewer Authority



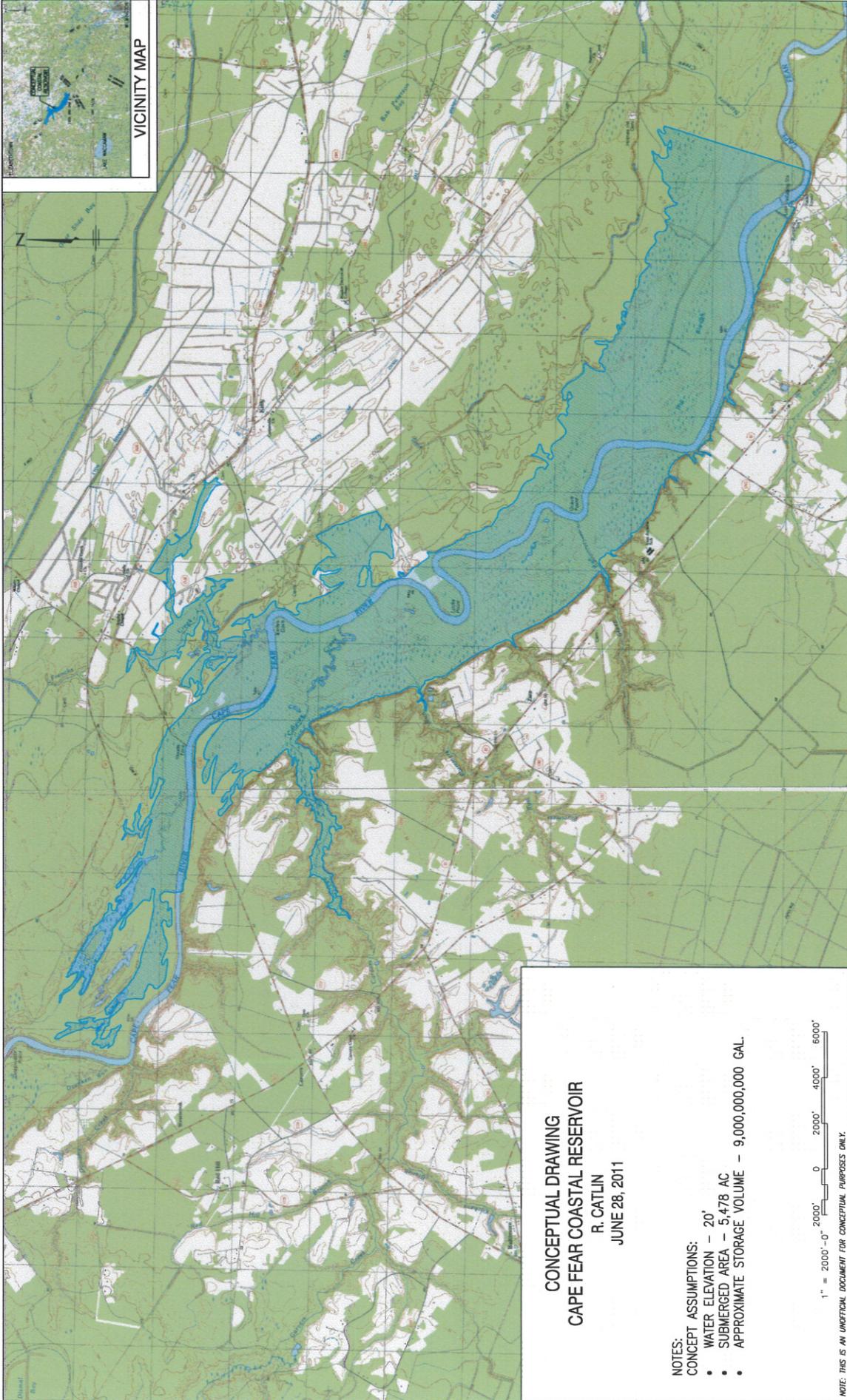
ADOPTED this the 12th day of October, 2011.

Signature:



Jim Quinn, Chairman
Cape Fear Public Utility Authority





VICINITY MAP

**CONCEPTUAL DRAWING
CAPE FEAR COASTAL RESERVOIR**

R. CATLIN
JUNE 28, 2011

- NOTES:
CONCEPT ASSUMPTIONS:
- WATER ELEVATION - 20'
 - SUBMERGED AREA - 5,478 AC
 - APPROXIMATE STORAGE VOLUME - 9,000,000,000 GAL.



NOTE: THIS IS AN UNOFFICIAL DOCUMENT FOR CONCEPTUAL PURPOSES ONLY.