

## Comment Letters from State Agencies

### Alabama

TVA CCMS - View Comments

Page 1 of 1

**Name:** Neil Letson

**Comments:** Our State Forester (Linda Casey) asked me to submit these comments on behalf of the Alabama Forestry Commission.

- 1) TVA should develop woody biomass capacities to reduce its reliance on fossil fuels. The increased use of biomass fuels will reduce their emissions of CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>2</sub>, and Hg, thus improving compliance with air quality issues and mandates.
- 2) TVA should support professional forest management activities on its own lands to maximize carbon sequestration and use of biomass products to mitigate carbon emissions.
- 3) TVA should provide educational activities and resources to encourage natural resource management, conservation practices that sustain water quality, and energy conservation through strategic urban tree plantings within its regional jurisdiction.
- 4) TVA should support and participate in implementing each Forest Assessment & Resource Strategy within its regional jurisdiction.

Thanks for the opportunity for input. Good luck.

close window

**Georgia**

Rec'd 10/27/10



**OFFICE OF PLANNING AND BUDGET**

**Sonny Perdue  
Governor**

**Debbie Dlugolenski  
Director**

**GEORGIA STATE CLEARINGHOUSE MEMORANDUM  
EXECUTIVE ORDER 12372 REVIEW PROCESS**

TO: Charles Nicholson  
Tennessee Valley Authority  
400 W. Summit Hill Drive, WT 11D  
Knoxville, TN 37902

FROM: Barbara Jackson *BJ*  
Georgia State Clearinghouse

DATE: 10/22/2010

PROJECT: Draft EIS: Integrated Resource Plan - TVA's Environmental & Energy Future

STATE ID: GA100922003

The applicant/sponsor is advised that DNR's Wildlife Resources Division was included in this review but did not comment within the review period. Should they submit comments within the next two weeks, we will forward to you.

The applicant/sponsor is advised to note important comments from DNR's Historic Preservation Division.

Provided that future coordination is conducted with HPD as requested, the State level review of the above-referenced proposal has been completed, and the proposal found to be consistent with those state or regional goals, policies, plans, fiscal resources, criteria for Developments of Regional Impact (DRI), environmental impacts, federal executive orders, acts and/or rules and regulations with which the state is concerned.

/bj

Enc.: DNR/EPD, Oct. 4, 2010  
GEFA, Oct. 4, 2010  
DNR/HPD, Oct. 15, 2010

Form NCC  
Oct. 2008

A Voicemail Fax

D Remote ID: R page of

**GEORGIA STATE CLEARINGHOUSE MEMORANDUM  
EXECUTIVE ORDER 12372 REVIEW PROCESS**

TO: Barbara Jackson  
Georgia State Clearinghouse  
270 Washington Street, SW, Eighth Floor  
Atlanta, Georgia 30334

FROM: MR. F. ALLEN BARNES  
GA DNR-EPD DIRECTOR'S OFFICE

APPLICANT: Tennessee Valley Authority

PROJECT: Draft EIS: Integrated Resource Plan - TVA's Environmental & Energy Future

STATE ID: GA100922003

FEDERAL ID:

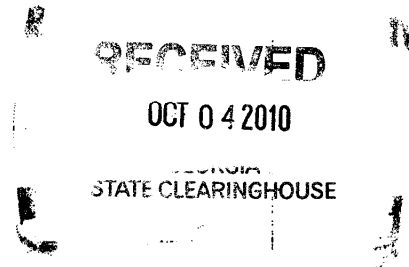
DATE:

- This project is considered to be consistent with those state or regional goals, policies, plans, fiscal resources, criteria for developments of regional impact, environmental impacts, federal executive orders, acts and/or rules and regulations with which this organization is concerned.

This project is not consistent with:

- The goals, plans, policies, or fiscal resources with which this organization is concerned. (Line through inappropriate word or words and prepare a statement that explains the rationale for the inconsistency. (Additional pages may be used for outlining the inconsistencies. Be sure to put the GA State ID number on all pages).
- The criteria for developments of regional impact, federal executive orders, acts and/or rules and regulations administered by your agency. Negative environmental impacts or provision for protection of the environment should be pointed out. (Additional pages may be used for outlining the inconsistencies. Be sure to put the GA State ID number on all pages).
- This project does not impact upon the activities of the organization.

**NOTE: Should you decide to FAX  
this form (and any attached pages),  
it is not necessary to mail the  
originals to us. [770-344-3568]**



Form SC-3  
Aug. 2010

**GEORGIA STATE CLEARINGHOUSE MEMORANDUM  
EXECUTIVE ORDER 12372 REVIEW PROCESS**

TO: Barbara Jackson  
Georgia State Clearinghouse  
270 Washington Street, SW, Eighth Floor  
Atlanta, Georgia 30334

FROM: MS. JILL STUCKEY  
GEORGIA ENVIRONMENTAL FACILITIES AUTHORITY

APPLICANT: Tennessee Valley Authority

PROJECT: Draft EIS: Integrated Resource Plan - TVA's Environmental & Energy Future

STATE ID: GA100922003

FEDERAL ID:

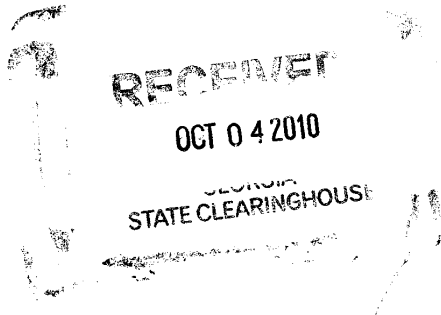
DATE: 10/28/10

- This project is considered to be consistent with those state or regional goals, policies, plans, fiscal resources, criteria for developments of regional impact, environmental impacts, federal executive orders, acts and/or rules and regulations with which this organization is concerned.

This project is not consistent with:

- The goals, plans, policies, or fiscal resources with which this organization is concerned. (Line through inappropriate word or words and prepare a statement that explains the rationale for the inconsistency. (Additional pages may be used for outlining the inconsistencies. Be sure to put the GA State ID number on all pages).
- The criteria for developments of regional impact, federal executive orders, acts and/or rules and regulations administered by your agency. Negative environmental impacts or provision for protection of the environment should be pointed out. (Additional pages may be used for outlining the inconsistencies. Be sure to put the GA State ID number on all pages).
- This project does not impact upon the activities of the organization.

**NOTE: Should you decide to FAX this form (and any attached pages), it is not necessary to mail the originals to us. [770-344-3568]**



Form SC-3  
Aug. 2010



HISTORIC PRESERVATION DIVISION

CHRIS CLARK  
COMMISSIONER

DR. DAVID CRASS  
DIVISION DIRECTOR

October 15, 2010

Barbara Jackson  
Georgia State Clearinghouse  
270 Washington Street, SW, Eighth Floor  
Atlanta, Georgia 30334

**Re: Draft EIS: Integrated Resource Plan – Tennessee Valley Authority’s Environmental & Energy Future Statewide, Georgia GA-100922-003**

Dear Ms. Jackson:

The Historic Preservation Division (HPD) has received information concerning the above referenced undertaking. Our comments are offered to assist the Tennessee Valley Authority (TVA) in complying with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended.

HPD has received the document entitled “Draft Integrated Resource Plan: TVA’s Environmental & Energy Future Environmental Impact Statement.” We look forward to future coordination with TVA on Section 106 compliance for future activities as appropriate.

If we may be of further assistance, please do not hesitate to contact Elizabeth (Betsy) Shirk, Environmental Review Coordinator, at (404) 651-6624.

Sincerely,

A handwritten signature in black ink that reads "Karen Anderson-Cordova".

Karen Anderson-Cordova  
Program Manager  
Environmental Review & Preservation Planning

KAC/ECS

cc: Charles Nicholson, TVA, [IRP@tva.gov](mailto:IRP@tva.gov)

RECEIVED  
OCT 15 2010  
GEORGIA  
STATE CLEARINGHOUSE

254 WASHINGTON STREET, SW | GROUND LEVEL | ATLANTA, GEORGIA 30334  
404.656.2840 | FAX 404.657.1368 | [WWW.GASHPO.ORG](http://WWW.GASHPO.ORG)

**Kentucky**

STEVEN L. BESHEAR  
GOVERNOR



LEONARD K. PETERS  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**

OFFICE OF THE SECRETARY  
500 MERO STREET  
12<sup>TH</sup> FLOOR, CAPITAL PLAZA TOWER  
FRANKFORT, KY 40601  
TELEPHONE: (502) 564-3350  
FACSIMILE: (502) 564-3354  
www.eec.ky.gov

November 15, 2010

Mr. Charles P. Nicholson  
National Environmental Policy Act Project Manager  
Tennessee Valley Authority  
400 West Summit Hill Dr., WT 11D  
Knoxville, TN 37902

RE: Tennessee Valley Authority Integrated Resource Plan Comments

Thank you for providing the Commonwealth of Kentucky, Energy and Environment Cabinet the opportunity to comment on the Tennessee Valley Authority Integrated Resource Plan. The TVA plays an important role in Kentucky's energy industry and economy. The TVA provides 22% of the electricity consumed in Kentucky with large fossil plants and approximately one quarter of Kentucky's hydro resources.

We agree with the plan's emphasis on energy efficiency and demand response and encourage you to aggressively pursue energy efficiency for all classes of customers: residential, commercial and industrial. Efficiency improvements in the industrial sector could be an important factor in maintaining our manufacturing base as energy prices increase.

We also agree with your analysis that biomass and hydropower are important renewable resources for this region. We encourage you to consider repowering Shawnee Unit 10 (slated for idling) with biomass. We also suggest that you consider biomass generation on a distributed basis in your Kentucky service area and that you maximize the potential of hydropower.

Finally, the Energy and Environment Cabinet appreciates your effort to balance energy needs, environmental concerns, and economic development in this plan. Your ability to continue providing affordable electricity in an environmentally responsible way is critical to the economic and social wellbeing of southern Kentucky.

Sincerely yours,

  
Leonard K. Peters  
Secretary

**North Carolina**



North Carolina  
Department of Administration

Beverly Eaves Perdue, Governor

Moses Carey, Jr., Secretary

November 10, 2010

Mr. Charles P. Nicholson  
Tennessee Valley Authority  
400 West Summit Hill Drive  
WT 11D  
Knoxville, TN 37902-1401

Dear Mr. Nicholson:

**Re: SCH File # 11-E-0000-0086; DEIS; Integrated Resource Plan (IRP) and programmatic EIS.  
View document at <http://www.tva.com/environment/reports/irp>**

The above referenced environmental impact information has been submitted to the State Clearinghouse under the provisions of the National Environmental Policy Act. According to G.S. 113A-10, when a state agency is required to prepare an environmental document under the provisions of federal law, the environmental document meets the provisions of the State Environmental Policy Act. Attached to this letter for your consideration are the comments made by agencies in the course of this review.

If any further environmental review documents are prepared for this project, they should be forwarded to this office for intergovernmental review.

Should you have any questions, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Sheila Green".

Sheila Green  
State Environmental Review Clearinghouse

Attachments

cc: Region A

*Mailing Address:*  
1301 Mail Service Center  
Raleigh, NC 27699-1301

*Telephone: (919)807-2425*  
Fax (919)733-9571  
State Courier #51-01-00  
*e-mail [state.clearinghouse@doa.nc.gov](mailto:state.clearinghouse@doa.nc.gov)*

*Location Address:*  
116 West Jones Street  
Raleigh, North Carolina

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North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue  
Governor

Dee Freeman  
Secretary

MEMORANDUM

TO: Sheila Green  
State Clearinghouse

FROM: Melba McGee ✓  
Project Review Coordinator

RE: 11-0086 Tennessee Valley Authority Integrated Resource Plan  
DEIS

DATE: November 9, 2010

The Department of Environment and Natural Resources has reviewed the proposed project.

Several areas need further clarification as noted in the attached comments. We ask that the applicant work with our commenting agencies to ensure that the division's concerns are adequately addressed prior to finalizing project plans.

Thank you for the opportunity to comment on this project.

Attachments

1601 Mail Service Center, Raleigh, North Carolina 27699-1601  
Phone: 919-733-4984 \ FAX: 919-715-3060 Internet: [www.enr.state.nc.us](http://www.enr.state.nc.us)  
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North Carolina Department of Environment and Natural Resources  
Division of Parks and Recreation

Beverly Eaves Perdue, Governor

Dee Freeman, Secretary

Lewis Ledford, Director

August 12, 2009

**MEMORANDUM**

TO: Melba McGee, Environmental Coordinator  
Office of Legislative and Intergovernmental Affairs

FROM: Amin Davis, Environmental Review Coordinator *AND*  
Division of Parks and Recreation

SUBJECT: TVA Integrated Resource Plan & Programmatic Environmental Impact Statement

REFERENCE: Project No. 10-0010

Dear Melba,

The North Carolina Division of Parks and Recreation (DPR) has reviewed the above-referenced project information available for review at <http://www.tva.gov/environment/reports/energyvision2020/>. DPR understands that the Tennessee Valley Authority (TVA) has completed an Integrated Resource Plan (IRP) and Environmental Impact Statement (EIS) as part of its Energy Vision 2020 initiative to identify and select a long-range strategy that will enable TVA to meet the electricity needs of its customers from 1996 to 2020. The EIS evaluates potential environmental consequences of alternative energy strategies to the TVA power service area which comprises 201 counties within a 58 million-acre region; 15 of these counties are situated in North Carolina.

DPR is concerned about the indirect and cumulative adverse impacts of "distant sources" of facility operations associated with Energy Vision 2020 on the recreational resources and ecological integrity of State Parks (SP) and State Natural Areas (SNA) that are owned by the State of North Carolina and managed by DPR. DPR is also concerned about the potential adverse effects these distant sources may have on the recreational visitor experience, human health, climate change, and future DPR land acquisitions.

In addition, the "Seventeen Categories of Natural Areas Appendix" (Part 5 of Technical Document 1 - Comprehensive Affected Environment) does not include the following DPR holdings: Bear Paw SNA, Beech Creek Bog SNA, Elk Knob SP, Gorges SP, Sugar Mountain Bog SNA, and Yellow Mountain SNA. In addition, Grandfather Mountain and Mount Mitchell Registered SNA's are now state parks managed by DPR. Please see attached map for the location of these holdings. DPR respectfully requests that TVA update their records to accurately reflect the current status of these eight holdings.

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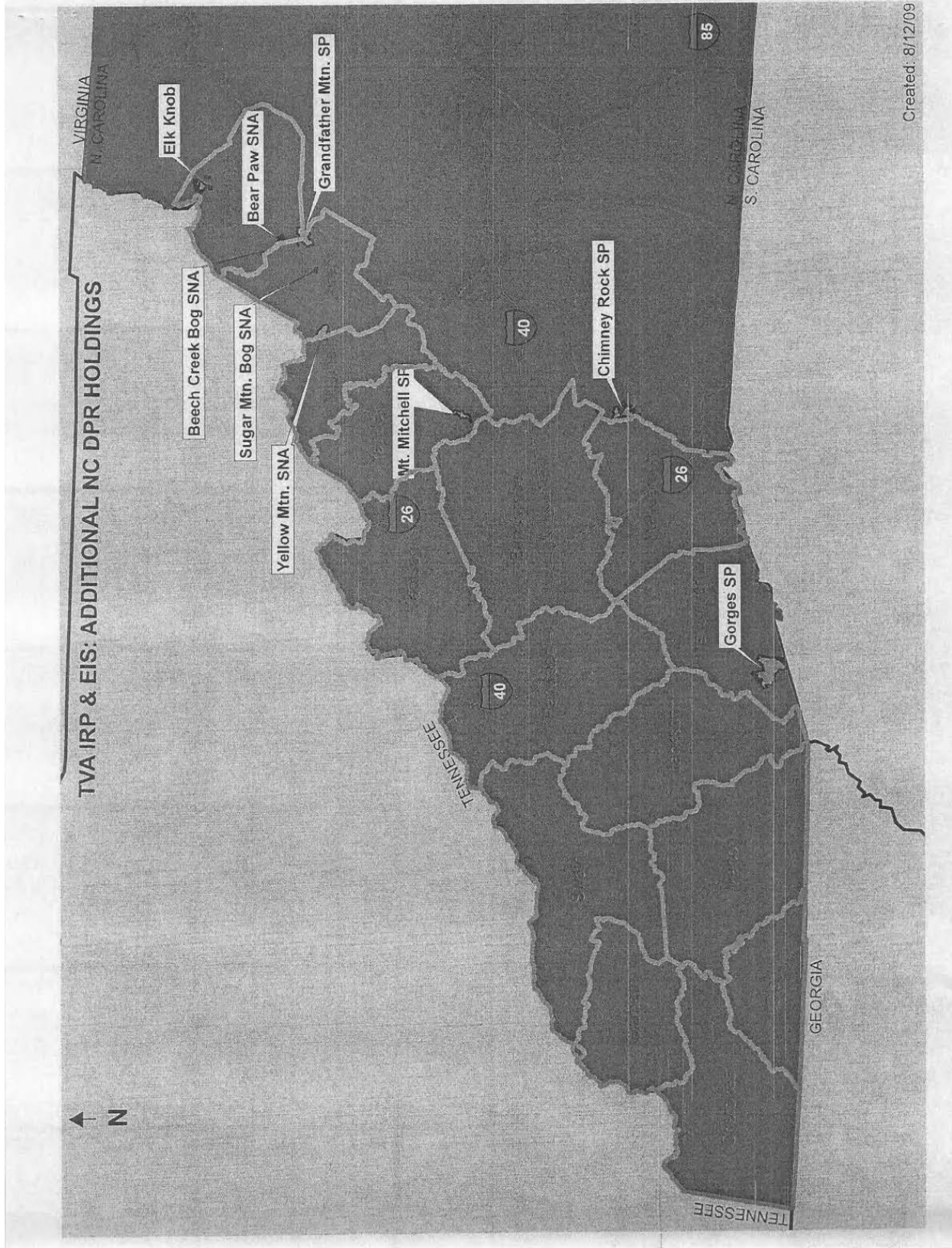
Please let me know if I can provide further information. DPR appreciates the opportunity to comment on this proposed project. If we can be of further assistance, please do not hesitate to contact me at 919-715-7584 or [amin.davis@ncdenr.gov](mailto:amin.davis@ncdenr.gov).

Attachment: Additional NC DPR Holdings Map

CC via email: Adrienne Wallace, Chimney Rock SP Superintendent  
Brian Strong, DPR Natural Resources Section Head  
Carol Tingley, DPR Regional Planning Section Head  
Jack Bradley, Mount Mitchell SP Superintendent  
Larry Trivette, Elk Knob SP Superintendent/ Acting Mount Mitchell SP Superintendent  
Linda Pearsall, Natural Heritage Program Director  
Marshall Ellis, DPR Mountain Region Biologist  
Mike Lambert, DPR Chief of Operations  
Steven Pagano, Gorges SP Superintendent  
Tom Jackson, DPR West District Superintendent

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North Carolina Department of Environment and Natural Resources  
Division of Water Resources

Beverly Eaves Perdue  
Governor

Thomas A. Reeder  
Director

Dee Freeman  
Secretary

November 3, 2010

MEMORANDUM

**FROM:** Jim Mead, SEPA Review Coordinator - DWR *Jim Mead*  
**TO:** Melba McGee, Environmental Projects Officer - DENR  
**SUBJECT:** Tennessee Valley Authority Integrated Resource Plan  
Draft Environmental Impact Statement  
DENR Project No. 11-0086

The Division of Water Resources (DWR) has reviewed the draft EIS for the Tennessee Valley Authority's (TVA) Integrated Resource Plan (IRP). Our comments are as follows:

Our concerns pertain to reservoir levels and any additional impacts on TVA reservoirs in North Carolina that may occur in the future as a result of the strategies selected in the IRP. Likewise we are concerned with flows in rivers downstream of TVA projects in NC that may experience additional impacts as a result of implementation of the IRP.

Section 7.6.3. Water Resources, page 189 of the DEIS states, "All of the alternative strategies result in an increase in the volume of water used and consumed for cooling coal, natural gas, and nuclear facilities." The IRP proposes waiting until a specific project is designed to evaluate its impacts. However, we believe that the impacts which result from the different IRP alternative strategies should be evaluated and displayed in this FEIS.

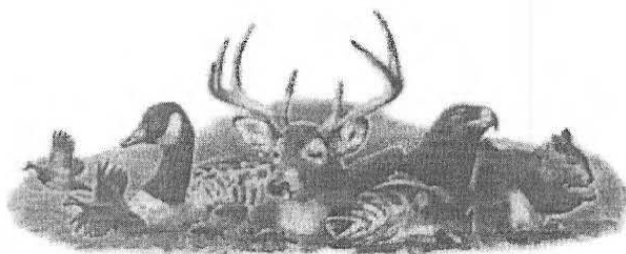
The evaluation of projects and rivers in the North Carolina portion of the TVA system should utilize river basin hydrologic models that are based solely on data that is of public record and open to public review and comments.

We appreciate this opportunity to comment and would be glad to discuss our comments with you or the TVA.

cc: Steve Reed & Tom Fransen, DWR

1611 Mail Service Center, Raleigh, North Carolina 27699-1611  
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☒ North Carolina Wildlife Resources Commission ☒

Gordon Myers, Executive Director

MEMORANDUM

TO: Melba McGee, Environmental Coordinator  
Office of Legislative and Intergovernmental Affairs  
North Carolina Department of Environment and Natural Resources

FROM: Dave McHenry, Mountain Region Coordinator *D.Mc*  
Habitat Conservation Program

DATE: November 1, 2010

SUBJECT: Scoping comments on Tennessee Valley Authority's Integrated Resource Plan and Draft  
Environmental Impact Statement  
**OLIA No. 11-0086**

Biologists with the North Carolina Wildlife Resources Commission (Commission) reviewed the Tennessee Valley Authority's (TVA) Integrated Resource Plan (IRP) and draft environmental impact statement (EIS). This document outlines various management and operational directions that TVA may pursue through the year 2020 to provide reliable energy to the Tennessee Valley region while also meeting resource stewardship needs. Our comments are provided under provisions of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.) and the National Environmental Policy Act (42 U.S.C. 4332 (2)(c)).

As described in the IRP/EIS, TVA operations, primarily coal-fired generation, emit sulfur dioxide, nitrogen-oxides, carbon dioxide, mercury, and other pollutants that contribute to acid deposition, mercury accumulation in aquatic food webs, and possibly accelerated climate change in the Tennessee Valley region and beyond. These impacts are harming or have the potential to harm inland fisheries and wildlife and their uses in North Carolina as follows:

1. Acid deposition is contributing to the decline of high elevation spruce forest that is important habitat for northern flying squirrel (US – Endangered) in the southern Appalachians. This forest type is rare

---

**Mailing Address:** Division of Inland Fisheries • 1721 Mail Service Center • Raleigh, NC 27699-1721  
**Telephone:** (919) 707-0220 • **Fax:** (919) 707-0028

and perhaps the second most endangered ecosystem in the region. It is at risk primarily because of the exotic balsam wooly adelgid (*Adelges piceae*), but also due to acid precipitation (NCWRC 2005, and references therein).

2. Acid deposition causes pH suppression in high elevation, southern Appalachian streams that support brook trout. Historical declines of brook trout populations in the region have been extensive due to poor land management practices, but recent losses can be partly attributed to stream acidification (Hudy and Thieling et al. 2008, and references therein). Brook trout are a popular sport fish and a priority species in the management of North Carolina's fisheries (NCWRC 1989).
3. Recent data collected from fish fillets in TVA's Lake Fontana and Lake Santeetlah (non-TVA reservoir) in North Carolina suggest that mercury levels in the Little Tennessee River basin are a risk to human health. Fish consumption advisories were issued in 2008 for walleye in these reservoirs and there is a statewide advisory for the consumption of other fishes that are high in mercury (see [www.epi.state.nc.us/epi/fish/current.html](http://www.epi.state.nc.us/epi/fish/current.html)). Analyses of samples from other lakes in the western North Carolina region are pending. The Commission recommends that TVA consult with the NC Department of Health and Human Services regarding fish contaminant data it has or is collecting in western North Carolina.
4. The southern Appalachians are the southernmost range of trout in the eastern United States. Brook trout have an upper thermal tolerance threshold of 25.3°C (Harshbarger 1975, and references therein) with optimal growth occurring at 12-16°C (Baldwin 1956, Cormick *et al.* 1972). Trout streams in North Carolina are typically 20.0°C or less with an upper maximum of 22.2°C (Ratledge and Louder 1967). Increased water temperatures from poor land management practices have markedly reduced the extent of brook trout in the southeast (EBTJV 2006). Global climate change could render uninhabitable much of the remaining brook trout streams in the southern Appalachians (Meisner 1990).

Because of these issues, the Commission encourages TVA to pursue more demand-side and renewable source capacity in future management and operations in lieu of fossil fuel based sources, which currently account for about 60 % of capacity. This could be accomplished in part by increasing TVA's integration of customer-based conservation incentives and wind power, nuclear, and solar photovoltaic facilities into future operations. Strategy E in the EIS would utilize the most of these alternatives and thereby achieve the largest reduction in carbon dioxide emissions. The Commission supports incorporating additional emission control technologies, particularly at TVA's four coal-fired nearest to the North Carolina mountains, to reduce acid deposition, mercury accumulation, and other air-related environmental degradation.

The Commission appreciates the opportunity to provide comments regarding effects of TVA's operations on inland fishery and wildlife resources in North Carolina. Please call me at (828) 456-2546 ext. 24 if you have any questions about or need to discuss these comments.

cc: Goudreau, C. - NC Wildlife Resources Commission, Fisheries Management  
Wheeler, P. - NC Wildlife Resources Commission, Fisheries Management

Citations:

- Baldwin, N.S. 1956. Food consumption and growth of brook trout at different temperatures. Transactions of the American Fisheries Society 86:323-328.
- Cormick, J.H., K.E.F. Hokansen, B.R. Jones. 1972. Effects of temperature on growth and survival of young trout. Journal of Fisheries Research Board of Canada 29(8):1107-1120.
- EBTJV (Eastern Brook Trout Joint Venture). 2006. Eastern brook trout: status and threats. Prepared by Trout Unlimited, Arlington, Virginia, for the Eastern Brook Trout Joint Venture. 36 p.
- Harshbarger, T.J. 1975. Factors affecting regional trout stream productivity. Pages 11-27 *In*: Southeastern Trout Resource: Ecology and Management Symposium Proceedings. October 24-25, 1975, Blacksburg, Virginia.
- Meisner, J.D. 1990. Effect of climatic warming on the southern margin of the native range of brook trout *Salvelinus fontinalis*. Canadian Journal of Fisheries and Aquatic Sciences. 47:1065-1070.
- NCWRC (North Carolina Wildlife Resources Commission). 1989. Casting the future of trout in North Carolina: A plan for management of North Carolina's trout resources. Division of Boating and Inland Fisheries, North Carolina Wildlife Resources Commission.
- NCWRC (North Carolina Wildlife Resources Commission). 2005. North Carolina wildlife action plan. Raleigh. NC.
- Ratlledge, H.M. and D.E. Louder. 1967. Cold-water stream studies: Federal Aid in Fish Restoration F-13-R. 48 p. N.C. Wildlife Resources Commission, Division of Inland Fisheries, Raleigh.



North Carolina Department of Environment and Natural Resources  
Division of Water Quality  
Coleen H. Sullins  
Director

Beverly Eaves Perdue  
Governor

Dee Freeman  
Secretary

October 27, 2010

**MEMORANDUM**

TO: Melba McGee  
Department of Environment and Natural Resources

THRU: Jeff Manning, Supervisor *JM*  
Basinwide Planning Unit

FROM: Hannah Stallings, SEPA Coordinator *HJS*

SUBJECT: Cherokee, Graham, Swain, Clay, and Union Counties  
TVA's Draft EIS – Integrated Resource Plan and Programmatic EIS  
DWQ#14324; DENR#11-0086

The Division of Water Quality (DWQ) has reviewed the subject document. The TVA projects in North Carolina are hydro- related (not coal burning facilities). TVA has gone through the FERC relicensing process recently and DWQ gave comments through that process. TVA should take care to reduce emissions from its coal combustion facilities in neighboring states to reduce the potential for atmospheric deposition of pollutants into North Carolina's surface waters. Installation of any electrical transmission projects in North Carolina should use sediment and erosion control best management practices to protect water quality.

Please contact me at 807-6434 if I can be of any further assistance.  
Thank you.

Cc: Roger Edwards – ARO

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Location: 512 N. Salisbury St. Raleigh, North Carolina 27604  
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Integrated Resource Plan

Department of Environment and Natural Resources

Reviewing Office: AKO

INTERGOVERNMENTAL REVIEW - PROJECT COMMENTS

Project Number: 11-0086 Due Date: 11/3/2010

After review of this project it has been determined that the ENR permit(s) and/or approvals indicated may need to be obtained in order for this project to comply with North Carolina Law. Questions regarding these permits should be addressed to the Regional Office indicated on the reverse of the form. All applications, information and guidelines relative to these plans and permits are available from the same Regional Office.

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (statutory time limit)
<input type="checkbox"/>	Permit to construct & operate wastewater treatment facilities, sewer system extensions & sewer systems not discharging into state surface waters.	Application 90 days before begin construction or award of construction contracts. On-site inspection. Post-application technical conference usual.	30 days (90 days)
<input type="checkbox"/>	NPDES - permit to discharge into surface water and/or permit to operate and construct wastewater facilities discharging into state surface waters.	Application 180 days before begin activity. On-site inspection. Pre-application conference usual. Additionally, obtain permit to construct wastewater treatment facility-granted after NPDES. Reply time, 30 days after receipt of plans or issue of NPDES permit-whichever is later.	90-120 days (N/A)
<input type="checkbox"/>	Water Use Permit	Pre-application technical conference usually necessary	30 days (N/A)
<input type="checkbox"/>	Well Construction Permit	Complete application must be received and permit issued prior to the installation of a well.	7 days (15 days)
<input type="checkbox"/>	Dredge and Fill Permit	Application copy must be served on each adjacent riparian property owner. On-site inspection. Pre-application conference usual. Filling may require Easement to Fill from N.C. Department of Administration and Federal Dredge and Fill Permit.	55 days (90 days)
<input type="checkbox"/>	Permit to construct & operate Air Pollution Abatement facilities and/or Emission Sources as per 15 A NCAC (2Q.0100 thru 2Q.0300)	Application must be submitted and permit received prior to construction and operation of the source. If a permit is required in an area without local zoning, then there are additional requirements and timelines (2Q.0113).	90 days
<input type="checkbox"/>	Permit to construct & operate Transportation Facility as per 15 A NCAC (2D.0800, 2Q.0601)	Application must be submitted at least 90 days prior to construction or modification of the source.	90 days
<input type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900		
<input type="checkbox"/>	Demolition or renovations of structures containing asbestos material must be in compliance with 15 A NCAC 20.1110 (a) (1) which requires notification and removal prior to demolition. Contact Asbestos Control Group 919-707-5950.	N/A	60 days (90 days)
<input type="checkbox"/>	Complex Source Permit required under 15 A NCAC 2D.0800		
<input checked="" type="checkbox"/>	The Sedimentation Pollution Control Act of 1973 must be properly addressed for any land disturbing activity. An erosion & sedimentation control plan will be required if one or more acres to be disturbed. Plan filed with proper Regional Office (Land Quality Section) At least 30 days before beginning activity. A fee of \$65 for the first acre or any part of an acre. An express review option is available with additional fees. <i>As needed per project</i>		20 days (30 days)
<input type="checkbox"/>	Sedimentation and erosion control must be addressed in accordance with NCDOT's approved program. Particular attention should be given to design and installation of appropriate perimeter sediment trapping devices as well as stable stormwater conveyances and outlets.		(30 days)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with ENR Bond amount varies with type mine and number of acres of affected land. Any acre mined greater than one acre must be permitted. The appropriate bond must be received before the permit can be issued.	30 days (60 days)
<input type="checkbox"/>	North Carolina Burning permit	On-site inspection by N.C. Division Forest Resources if permit exceeds 4 days	1 day (N/A)
<input type="checkbox"/>	Special Ground Clearance Burning Permit - 22 counties in coastal N.C. with organic soils	On-site inspection by N.C. Division Forest Resources required "if more than five acres of ground clearing activities are involved. Inspections should be requested at least ten days before actual burn is planned."	1 day (N/A)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to: prepare plans, inspect construction, certify construction is according to ENR approved plans. May also require permit under mosquito control program. And a 404 permit from Corps of Engineers. An inspection of site is necessary to verify Hazard Classification. A minimum fee of \$200.00 must accompany the application. An additional processing fee based on a percentage of the total project cost will be required upon completion.	30 days (60 days)

PERMITS		SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (statutory time limit)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with ENR running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to ENR rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with ENR at least 10 days prior to issue of permit. Application by letter. No standard application form.	10 days N/A
<input type="checkbox"/>	State Lakes Construction Permit	Application fees based on structure size is charged. Must include descriptions & drawings of structure & proof of ownership of riparian property.	15-20 days N/A
<input type="checkbox"/>	401 Water Quality Certification	N/A	60 days (130 days)
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 fee must accompany application	55 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$50.00 fee must accompany application	22 days (25 days)
<input type="checkbox"/>	Several geodetic monuments are located in or near the project area. If any monument needs to be moved or destroyed, please notify: N.C. Geodetic Survey, Box 27687 Raleigh, NC 27611		
<input type="checkbox"/>	Abandonment of any wells, if required must be in accordance with Title 15A, Subchapter 2C.0100.		
<input type="checkbox"/>	Notification of the proper regional office is requested if "orphan" underground storage tanks (USTS) are discovered during any excavation operation.		
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 (Coastal Stormwater Rules) is required.		45 days (N/A)
<input type="checkbox"/>	Tar Pamlico or Neuse Riparian Buffer Rules required.		
* Other comments (attach additional pages as necessary, being certain to cite comment authority)			

**REGIONAL OFFICES**

Questions regarding these permits should be addressed to the Regional Office marked below.

**Asheville Regional Office**  
2090 US Highway 70  
Swannanoa, NC 28778  
(828) 296-4500

**Mooresville Regional Office**  
610 East Center Avenue, Suite 301  
Mooresville, NC 28115  
(704) 663-1699

**Wilmington Regional Office**  
127 Cardinal Drive Extension  
Wilmington, NC 28405  
(910) 796-7215

**Fayetteville Regional Office**  
225 North Green Street, Suite 714  
Fayetteville, NC 28301-5043  
(910) 433-3300

**Raleigh Regional Office**  
3800 Barrett Drive, Suite 101  
Raleigh, NC 27609  
(919) 791-4200

**Winston-Salem Regional Office**  
585 Waughtown Street  
Winston-Salem, NC 27107  
(336) 771-5000

**Washington Regional Office**  
943 Washington Square Mall  
Washington, NC 27889  
(252) 946-6481