



STATE OF NORTH CAROLINA
DEPARTMENT OF ADMINISTRATION

ROY COOPER
GOVERNOR

MACHELLE SANDERS
SECRETARY

October 29, 2018

Ms. Lynn Jarvis
North Carolina Department of Commerce
Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4325

Re: SCH File # 19-E-4600-0068; Application of North 301 Solar, LLC for Certificate to construct a 20 MW Solar Facility in Halifax Co. Docket #SP-5422, Sub 0.

Dear Ms. Jarvis:

The above referenced environmental impact information has been reviewed through the State Clearinghouse under the provisions of the North Carolina Environmental Policy Act.

Attached to this letter are comments made in the review of this document. Because of the nature of the comments, it has been determined that no further State Clearinghouse review action on your part is needed for compliance with the North Carolina Environmental Policy Act. The attached comments should be taken into consideration in project development.

Sincerely,

A handwritten signature in blue ink that reads "Crystal Best".

Crystal Best
State Environmental Review Clearinghouse

Attachments
cc: Region L



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

JAMIE RAGAN
Director

MEMORANDUM

To: Crystal Best
State Clearinghouse Coordinator
Department of Administration

From: Lyn Hardison
Division of Environmental Assistance and Customer Service
Environmental Assistance and Project Review Coordinator
Washington Regional Office

RE: 19-0068 (15-0570)
Environmental Review – Amended Application of North 301 Solar, LLC. for the
Certificate to construct a 20 MW Solar Facility
Halifax County

Date: October 22, 2018

The Department of Environmental Quality has completed its review of the proposal for the referenced project. Based on the information provided, several of our agencies have identified permits that may be required and offered some valuable guidance to minimize impacts to the natural resources, aquatic and terrestrial wildlife resources within and around the project area. The comments are attached for the applicant's review.

If the applicant has any questions pertaining to NCDEQ permitting processes, please ask them to contact David Lee, Permit Assistance Coordinator, in the Department's Raleigh Regional Office, (919)791-4200. The proposed project is located within his geographic working territory.

Thank you for the opportunity to respond.

Attachment






☒ North Carolina Wildlife Resources Commission ☒

Gordon Myers, Executive Director

MEMORANDUM

TO: Lyn Hardison, Environmental Assistance Coordinator
NCDEQ Division of Environmental Assistance and Outreach (DEAO)

FROM: Maria T. Dunn, Coastal Habitat Coordinator
Habitat Conservation Division 

DATE: October 19, 2018

SUBJECT: North 301 Solar, LLC 20 MW Solar Facility, #SP-54-22 Sub 0, Halifax County, North Carolina.

Biologists with the North Carolina Wildlife Resources Commission (NCWRC) have reviewed the subject document and we are familiar with the habitat values of the area. Our comments are provided in accordance with provisions of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661-667e), and North Carolina General Statutes (G.S. 113-131 et seq.).

The applicant has submitted an amended proposal to add acreage to construct a 20 MW photovoltaic solar facility located at 15919 Hwy 301 in Enfield, NC.

The NCWRC has reviewed the available information and would like to state concern with the portion of the proposed project that lies within the wooded areas. The proposed solar facility is very large and combined with other large facilities will have a cumulative impact to wildlife habitats. In general, the NCWRC supports solar facilities located in open areas. However, the conversion of forests and wetlands to support solar development is causing increasing concern due to the loss of wildlife habitat, the fragmentation of wildlife habitat, and vegetative management needed post conversion for wetland and other forested areas. This area is near the headwater inputs to Marsh Swamp and Beech Swamp. All areas that have ground disturbance should be delineated to determine wetland presence.

We would also like to state concern regarding the location and size of this project in relation to foraging habitats for migratory waterfowl. Agricultural lands in eastern North Carolina often provide foraging opportunities for migratory waterfowl, especially in areas near natural waterbodies. The photovoltaic panels may reflect sunlight and resemble a water surface, potentially drawing waterfowl in to land. We request that if this facility is constructed, any fatalities or injured birds be reported. It should also be noted that as agricultural lands are transformed into solar facilities, winter foraging habitats for migratory waterfowl are lost. The cumulative loss of land may be of significant concern in time.

Mailing Address: Habitat Conservation • 1721 Mail Service Center • Raleigh, NC 27699-1721
Telephone: (919) 707-0220 • **Fax:** (919) 707-0028

In addition to the concerns above, the following statements should be observed:

1. Maintain or establish a minimum 100-foot undisturbed, native forested buffer along each side of perennial streams and 50-foot undisturbed, native forested buffer along each side of intermittent streams and wetlands. Forested riparian buffers provide habitat areas for aquatic and terrestrial wildlife species and travel corridors for terrestrial wildlife. In addition, forested riparian buffers protect water quality by stabilizing stream banks and filtering stormwater runoff.
2. Use bridges for all permanent roadway crossings of streams and associated wetlands to eliminate the need to fill and culvert, where practicable. If culverts must be used, the culvert should be designed to allow aquatic life passage. Fords may be appropriate and preferred for intermittent stream crossings or where crossings will be used only once or twice a year. For fords, crossings in riffles are preferred with the banks lowered upstream and downstream of the crossing. Stabilize the stream bottom with geo-textile fabric and rock; concrete should not be used for bed stabilization.
3. Avoid or minimize impacts to wetlands during construction. In addition to providing wildlife habitat, wetland areas perform important functions of flood control and water quality protection. US Army Corps of Engineers Section 404 permits and N.C. Division of Water Resources Section 401 Certifications are required for any impacts to jurisdictional streams or wetlands. Temporarily disturbed wetland areas should be returned to original soils and contours, and reseeded with annual small grains appropriate for the season (e.g. oats, millet, rye, wheat, or rye grass) and should be allowed to revert to natural wetland vegetation.
4. If additional overhead transmission lines will be installed, then measures to minimize impacts to birds should be implemented. These can include increasing line visibility, insulating wires to cover exposed connections, and increasing the distance between wires so no contact with ground or other energized wire can be made. For more information see <http://www.fws.gov/birds/documents/powerlines.pdf>.
5. Consider establishing vegetative cover on the site that is beneficial to wildlife. Plantings should include native warm season grasses and/or wildflower seed mixes to create pollinator habitat within the project boundary. Shade-tolerant plants that are grow between 12 to 18 inches can be selected for planting both underneath and around solar panels. Further information and free technical guidance from the NCWRC is available upon request.
6. If site and/or transmission line maintenance is needed, avoid mowing between April 1 and October 1 to minimize impacts to nesting wildlife. We suggest a maintenance schedule that incorporates a portion of the area (e.g., one-third of the area) each year. Pesticides, fertilizers, herbicides, and other chemicals should not be used in wetland areas or near streams.
7. If pesticides or chemicals will be used for site maintenance, then stormwater runoff from the site should be directed to bio-retention areas prior to discharge to streams or wetlands to provide additional protection for water quality and aquatic and terrestrial wildlife habitats.
8. Sediment and erosion control measures should be installed prior to any land clearing or construction. The use of biodegradable and wildlife-friendly sediment and erosion control devices is strongly recommended. Silt fencing, fiber rolls and/or other products should have loose-weave netting that is made of natural fiber materials with movable joints between the vertical and horizontal twines. Silt fencing or similar materials that have been reinforced with plastic or metal

mesh should be avoided as they impede the movement of terrestrial wildlife species. All sediment and erosion control measures should be routinely inspected and properly maintained. Excessive silt and sediment loads can have numerous detrimental effects on aquatic resources including destruction of spawning habitat, suffocation of eggs, and clogging of gills of aquatic species.

9. A plan should be developed that identifies the party responsible for decommissioning the facility as well as the conditions under which decommissioning will occur. In addition, the plan should emphasize that all equipment must be removed from the sites, and the land should be restored to pre-construction conditions.
10. Measures to mitigate secondary and cumulative impacts can be found in NCWRC's *Guidance Memorandum to Address and Mitigate Secondary and Cumulative Impacts to Aquatic and Terrestrial Wildlife Resources and Water Quality* (August 2002; http://www.ncwildlife.org/Portals/0/Conserving/documents/2002_GuidanceMemorandumforSecondaryandCumulativeImpacts.pdf).

Thank you for the opportunity to comment on this project. If our agency can be of further assistance, please contact me at (252) 948-3916 or at maria.dunn@ncwildlife.org.

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Raleigh
Project Number: 19-0068 Due Date: 10/19/2018
County: Halifax

After review of this project it has been determined that the DEQ 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, non-standard sewer system extensions & sewer systems that do not discharge into state surface waters.	Application 90 days before begins construction or award of construction contracts. On-site inspection may be required. Post-application technical conference usual.	30 days (90 days)
<input type="checkbox"/>	Permit to construct & operate, sewer extensions involving gravity sewers, pump stations and force mains discharging into a sewer collection system	Fast-Track Permitting program consists of the submittal of an application and an engineer's certification that the project meets all applicable State rules and Division Minimum Design Criteria.	30 days (N/A)
<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 begins 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 groundwater monitoring well located on property not owned by the applicant, and for a large capacity (>100,000 gallons per day) water supply 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 checked="" type="checkbox"/>	Any open burning associated with subject proposal must be in compliance with 15 A NCAC 2D.1900	N/A	60 days (90 days)
<input checked="" 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	Please Note - The Health Hazards Control Unit (HHCU) of the N.C. Department of Health and Human Services, must be notified of plans to demolish a building, including residences for commercial or industrial expansion, even if no asbestos is present in the building.	60 days (90 days)
<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 are to be disturbed. Plan must be filed with and approved by applicable Regional Office (Land Quality Section) at least 30 days before beginning activity. A NPDES Construction Stormwater permit (NCG010000) is also usually issued should design features meet minimum requirements. A fee of \$65 for the first acre or any part of an acre. An express review option is available with additional fees.		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"/>	Sedimentation and erosion control must be addressed in accordance with _____ Local Government'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.		Based on Local Program
<input type="checkbox"/>	Compliance with 15A NCAC 2H .0126 - NPDES Stormwater Program which regulates three types of activities: Industrial, Municipal Separate Storm Sewer System & Construction activities that disturb ≥1 acre.		30-60 days (90 days)
<input type="checkbox"/>	Compliance with 15A NCAC 2H 1000 -State Stormwater Permitting Programs regulate site development and post-construction stormwater runoff control. Areas subject to these permit programs include all 20 coastal counties, and various other counties and watersheds throughout the state.		45 days (90 days)

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State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Raleigh
Project Number: 19-0068 Due Date: 10/19/2018
County: Halifax

	PERMITS	SPECIAL APPLICATION PROCEDURES or REQUIREMENTS	Normal Process Time (statutory time limit)
<input type="checkbox"/>	Mining Permit	On-site inspection usual. Surety bond filed with DEQ Bond amount varies with type mine and number of acres of affected land. Affected area 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"/>	Dam Safety Permit	If permit required, application 60 days before begin construction. Applicant must hire N.C. qualified engineer to: prepare plans, inspect construction, and certify construction is according to DEQ approved plans. May also require a 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 or the total project cost will be required upon completion.	30 days (60 days)
<input type="checkbox"/>	Oil Refining Facilities	N/A	90-120 days (N/A)
<input type="checkbox"/>	Permit to drill exploratory oil or gas well	File surety bond of \$5,000 with DEQ running to State of NC conditional that any well opened by drill operator shall, upon abandonment, be plugged according to DEQ rules and regulations.	10 days N/A
<input type="checkbox"/>	Geophysical Exploration Permit	Application filed with DEQ 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 fee 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	Compliance with the T15A 02H .0500 Certifications are required whenever construction or operation of facilities will result in a discharge into navigable water as described in 33 CFR part 323.	60 days (130 days)
<input type="checkbox"/>	Compliance with Catawba, Goose Creek, Jordan Lake, Randleman, Tar Pamlico or Neuse Riparian Buffer Rules is required. Buffer requirements: http://deq.nc.gov/about/divisions/water-resources/water-resources-permits/wastewater-branch/401-wetlands-buffer-permits/401-riparian-buffer-protection-program		
<input type="checkbox"/>	Nutrient Offset: Loading requirements for nitrogen and phosphorus in the Neuse and Tar-Pamlico River basins, and in the Jordan and Falls Lake watersheds, as part of the nutrient-management strategies in these areas. DWR nutrient offset information: http://deq.nc.gov/about/divisions/water-resources/planning/nonpoint-source-management/nutrient-offset-information		
<input type="checkbox"/>	CAMA Permit for MAJOR development	\$250.00 - \$475.00 fee must accompany application	75 days (150 days)
<input type="checkbox"/>	CAMA Permit for MINOR development	\$100.00 fee must accompany application	22 days (25 days)
<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"/>	Plans and specifications for the construction, expansion, or alteration of a public water system must be approved by the Division of Water Resources/Public Water Supply Section prior to the award of a contract or the initiation of construction as per 15A NCAC 18C .0300 et. seq., Plans and specifications should be submitted to 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. All public water supply systems must comply with state and federal drinking water monitoring requirements. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	If existing water lines will be relocated during the construction, plans for the water line relocation must be submitted to the Division of Water Resources/Public Water Supply Section at 1634 Mail Service Center, Raleigh, North Carolina 27699-1634. For more information, contact the Public Water Supply Section, (919) 707-9100.		30 days
<input type="checkbox"/>	Plans and specifications for the construction, expansion, or alteration of the _____ water system must be approved through the _____ delegated plan approval authority. Please contact them at _____ for further information.		

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Oct 29 2018

State of North Carolina Department of Environmental Quality
INTERGOVERNMENTAL REVIEW PROJECT COMMENTS

Reviewing Regional Office: Raleigh
Project Number: 19-0068 Due Date: 10/19/2018
County: Halifax

Other Comments (attach additional pages as necessary, being certain to comment authority)

Division	Initials	No comment	Comments	Date Review
DAQ	MRF	<input type="checkbox"/>	See checked boxes above.	10/12/18
DWR-WQROS (Aquifer & Surface)	&DS	<input type="checkbox"/>	<p>& North 301 Solar, LLC –Halifax County Solar Facility.</p> <p>- A project that disturbs 1 acre or greater is required to secure an erosion and sedimentation control plan and must comply with construction stormwater permit conditions (NCG010000)</p> <p>Footprint of project drains to unnamed tributaries of Marsh Swamp and Beech Swamp, a Class C, Sw NSW waters, in the Tar Pamlico River Basin. The USGS Topographic map did depict blue line streams and topographic crenulations, indicating streams, within and adance to the project footprint. (Note: the soil survey was not reviewed.)</p> <p>Site will need a stream determination for application of buffer rules. There may also be wetland impacts.</p> <p>If wetland, riparian buffers or stream impacts are proposed, this project will need to comply with/secure a 404 permit from the USACE, obtain a 401 Water Quality Certification authorization and a riparian buffer authorization.</p>	/ / 10/1/18
DWR-PWS		<input type="checkbox"/>		/ /
DEMLR (LQ & SW)		<input type="checkbox"/>	see checked boxes above	/ /
DWM – UST	MRP	<input checked="" type="checkbox"/>		10/16/18
Other Comments		<input type="checkbox"/>		/ /

REGIONAL OFFICES

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

- | | | |
|--|---|--|
| <input type="checkbox"/> Asheville Regional Office
2090 U.S. 70 Highway
Swannanoa, NC 28778-8211
Phone: 828-296-4500
Fax: 828-299-7043 | <input type="checkbox"/> Fayetteville Regional Office
225 Green Street, Suite 714,
Fayetteville, NC 28301-5043
Phone: 910-433-3300
Fax: 910-486-0707 | <input type="checkbox"/> Mooresville Regional Office
610 East Center Avenue, Suite 301,
Mooresville, NC 28115
Phone: 704-663-1699
Fax: 704-663-6040 |
| <input checked="" type="checkbox"/> Raleigh Regional Office
3800 Barrett Drive,
Raleigh, NC 27609
Phone: 919-791-4200
Fax: 919-571-4718 | <input type="checkbox"/> Washington Regional Office
943 Washington Square Mall,
Washington, NC 27889
Phone: 252-946-6481
Fax: 252-975-3716 | <input type="checkbox"/> Wilmington Regional Office
127 Cardinal Drive Ext.,
Wilmington, NC 28405
Phone: 910-796-7215
Fax: 910-350-2004 |
| | <input type="checkbox"/> Winston-Salem Regional Office
450 Hanes Mill Road, Suite 300,
Winston-Salem, NC 27105
Phone: 336-776-9800
Fax: 336-776-9797 | |

Halifax

NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW

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Oct 29 2018

COUNTY: HALIFAX

H11: ENERGY RELATED
FACILITIES/ACTIVITIES

STATE NUMBER: 19-E-4600-0068
DATE RECEIVED: 09/24/2018
AGENCY RESPONSE: 10/19/2018
REVIEW CLOSED: 10/24/2018

MS RENEE GLEDHILL-EARLEY
CLEARINGHOUSE COORDINATOR
DEPT OF NATURAL & CULTURAL RESOURCE
STATE HISTORIC PRESERVATION OFFICE
MSC 4617 - ARCHIVES BUILDING
RALEIGH NC

Received: 10/02/2018
State Historic Preservation Office

CH 15-0926

REVIEW DISTRIBUTION

DEPT OF AGRICULTURE
DEPT OF ENVIRONMENTAL QUALITY
DEPT OF NATURAL & CULTURAL RESOURCE
DEPT OF TRANSPORTATION
DNCR - NATURAL HERITAGE PROGRAM
DOA - COMMISSION OF INDIAN AFFAIRS
DPS - DIV OF EMERGENCY MANAGEMENT
UPPER COASTAL PLAIN COG

Due -- 10/10/18

A - see comment
not 10/8/2018

PROJECT INFORMATION

APPLICANT: North Carolina Department of Commerce
TYPE: State Environmental Policy Act
Environmental Review

Due -- 10/17/18

S- (NC) KBH 10/18/18

DESC: Application of North 301 Solar, LLC for Certificate to construct a 20 MW Solar Facility in Halifax Co. Docket #SP-5422, Sub 0. - View document at <http://starwl.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type SP-5422 Sub 0 in the Docket Number search line.

Located at 15919 Highway 301, near Enfield, NC

The attached project has been submitted to the N. C. State Clearinghouse for intergovernmental review. Please review and submit your response by the above indicated date to 1301 Mail Service Center, Raleigh NC 27699-1301.

If additional review time is needed, please contact this office at (919)807-2425.

AS A RESULT OF THIS REVIEW THE FOLLOWING IS SUBMITTED: ☐ NO COMMENT ☒ COMMENTS ATTACHED

SIGNED BY:

R. Gledhill-Earley

DATE:

10.18.18

OCT 03 2018



**North Carolina Department of Natural and Cultural Resources
State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Roy Cooper
Secretary Susi H. Hamilton

Office of Archives and History
Deputy Secretary Kevin Cherry

October 18, 2018

MEMORANDUM

TO: Crystal Best
North Carolina State Clearinghouse
Department of Administration

FROM: Ramona M. Bartos

Re: for Ramona M. Bartos

SUBJECT: Additional Areas, 20 MW North 301 Solar Farm, US 301 North, Enfield, Halifax County,
CH 15-0926

Thank you for your submission of September 24, 2018. We have reviewed the information for the above project and offer the following comments.

A cultural resources survey of the previously approved North 301 Solar Farm project area was reviewed by this office on August 3, 2015. Six archaeological sites (31HX444–31HX449) and one historic cemetery (31HX450) were identified during the survey. While it has been determined that these sites are not eligible for listing in the National Register of Historic Places, the cemetery is afforded consideration under provisions of North Carolina G.S. Chapter 65. The proposed solar array expansion areas identified as North 301 Section B have never been surveyed for the purposes of identifying cultural resources. These project areas are located adjacent to first and second order feeder streams of Beech Swamp, and therefore have a high probability for containing precolonial American Indian archaeological sites. In addition, the results of the previous survey indicate the potential for unrecorded historic period archaeological sites and cemeteries in the subject parcels. As a result, we recommend the following conditions for this application:

Prior to the initiation of any ground disturbing activities within the proposed solar array expansion areas designated North 301 Section B, we recommend a comprehensive archaeological survey of these project areas be conducted by an experienced archaeologist. The purpose of this survey will be to identify and evaluate the significance of archaeological remains that may be damaged or destroyed by the proposed project. Potential effects on unknown resources must be assessed prior to the initiation of construction activities. Please note that our office now requests consultation with the Office of State Archaeology Review Archaeologist to discuss appropriate field methodologies prior to the archaeological field investigation.

Documentation of this work may be submitted as an addendum to the previously completed survey report. One paper copy and a digital copy of all resulting archaeological reports, as well as a digital copy of the North Carolina site form for each site recorded, should be forwarded to the Office of State Archaeology through this office for review and comment as soon as they are available and in advance of any construction or ground disturbance activities. A list of archaeological consultants who have conducted or expressed an interest in contract work in North Carolina is available at www.archaeology.ncdcr.gov/ncarch/resource/consultants.htm. The archaeologists listed, or any other experienced archaeologist, may be contacted to conduct the recommended survey.

We have determined that the project as proposed will not have an effect on any historic structures.

The above comments are made pursuant to Section 106 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number, CH 15-0926

**NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

COUNTY: **HALIFAX**

**H11: ENERGY RELATED
FACILITIES/ACTIVITIES**

STATE NUMBER: 19-E-4600-0068
DATE RECEIVED: 09/24/2018
AGENCY RESPONSE: 10/19/2018
REVIEW CLOSED: 10/24/2018

CLEARINGHOUSE COORD REGION L
UPPER COASTAL PLAIN COG
P.O. BOX 9
WILSON NC

REVIEW DISTRIBUTION

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UPPER COASTAL PLAIN COG

PROJECT INFORMATION

APPLICANT: North Carolina Department of Commerce
TYPE: State Environmental Policy Act
Environmental Review

DESC: Application of North 301 Solar, LLC for Certificate to construct a 20 MW Solar Facility in **Halifax Co.** Docket #SP-5422, Sub 0. - View document at <http://starw1.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type SP-5422 Sub 0 in the Docket Number search line.

Located at 15919 Highway 301, near Enfield, NC

The attached project has been submitted to the N. C. State Clearinghouse for intergovernmental review. Please review and submit your response by the above indicated date to 1301 Mail Service Center, Raleigh NC 27699-1301.

If additional review time is needed, please contact this office at (919)807-2425.

AS A RESULT OF THIS REVIEW THE FOLLOWING IS SUBMITTED: ☒ NO COMMENT ☐ COMMENTS ATTACHED

SIGNED BY:

Angela Stanley

DATE:

10-15-18

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Oct 29 2018

**NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

COUNTY: HALIFAX

H11: ENERGY RELATED
FACILITIES/ACTIVITIES

STATE NUMBER: 19-E-4600-0068
DATE RECEIVED: 09/24/2018
AGENCY RESPONSE: 10/19/2018
REVIEW CLOSED: 10/24/2018

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Oct 29 2018

MR JOSEPH HUDYNIA
CLEARINGHOUSE COORDINATOR
DEPT OF AGRICULTURE
1001 MSC - AGRICULTURE BLDG
RALEIGH NC

REVIEW DISTRIBUTION

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DOA - COMMISSION OF INDIAN AFFAIRS
DPS - DIV OF EMERGENCY MANAGEMENT
UPPER COASTAL PLAIN COG

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APPLICANT: North Carolina Department of Commerce
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AS A RESULT OF THIS REVIEW THE FOLLOWING IS SUBMITTED: ☐ NO COMMENT ☒ COMMENTS ATTACHED

SIGNED BY: _____

DATE: _____

10/15/2018

This application

- Did ~~Did Not~~ have a CREP conservation easement on the subject property.
Did / ~~Did Not~~ have a Swine buyout easement on the subject property
Did / ~~Did Not~~ have ADFP easement on the subject property
Did / ~~Did Not~~ have a plant conservation easement on the subject property
Did / ~~Did Not~~ have a plant conservation priority site on the subject property



Dr. Alexander Stewart
Assistant Commissioner

North Carolina Department of Agriculture
and Consumer Services
Agricultural Services

Joseph Hudyncia
Environmental Programs

Crystal Best
State Clearinghouse
N.C. Department of Administration
1301 Mail Service Center
Raleigh, North Carolina 27699-1301

RE: S# 19-E-4600-0068

October 15, 2018

Dear Ms. Best:

The proposed ground-mounted photovoltaic electric generating facility has the potential to negatively impact agricultural, environmental and economic balance in the immediate area of the development project. Development of all types continues to be a threat to one of the state's most valuable natural resources, i.e. productive farmland. As productive farmland is removed from agricultural production, the associated potential for providing necessary agricultural products for a growing population is reduced; and with it a substantial amount of recurring, local economic activity generated by local farm-related incomes.

We encourage conservation of highly productive soils for their best use – agriculture and forestry, and recommend locating ground-mounted solar arrays of this scale on less productive sites within the associated tract if possible. Prioritization of sites based on potential agricultural productivity, whereby less productive sites are selected for development and more productive sites are retained for agricultural production, may help mitigate impacts of this type of land use on agricultural resources. One means to assess the agronomic potential of soils is to first consult the published county soil survey to identify soil types (map units) and distribution, and then use the NC State Cooperative Extension Realistic Yield Expectations for NC Soils database tool (<https://realisticyields.ces.ncsu.edu/>) to compare yield potential across identified soil map units.

Additionally, the use of best practices in construction and maintenance of the facility are encouraged to preserve the productive capabilities of the land for any future agricultural use and maintain or enhance the integrity of unique or sensitive habitats. It is also recommended that a decommissioning plan that clearly defines the responsible party, process details, timeline, and specific responsibilities (including restoration to prior condition) be incorporated into the development agreement.

We have cross-referenced the parcel for existing easements related to agriculture and found no CREP conservation easements, swine buyout easements, ADFP easements, plant conservation easements or plant conservation priority sites on the subject property.

Respectfully,

Joseph Hudyncia
Environmental Programs, NCDA&CS
joseph.hudyncia@ncagr.gov

**NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

COUNTY: HALIFAX

H11: ENERGY RELATED
FACILITIES/ACTIVITIES

STATE NUMBER: 19-E-4600-0068
DATE RECEIVED: 09/24/2018
AGENCY RESPONSE: 10/19/2018
REVIEW CLOSED: 10/24/2018

MR RODNEY BUTLER
CLEARINGHOUSE COORDINATOR
DNCR - NATURAL HERITAGE PROGRAM
1651 MAIL SERVICE CENTER
RALEIGH NC

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DPS - DIV OF EMERGENCY MANAGEMENT
UPPER COASTAL PLAIN COG

PROJECT INFORMATION

APPLICANT: North Carolina Department of Commerce
TYPE: State Environmental Policy Act
Environmental Review

DESC: Application of North 301 Solar, LLC for Certificate to construct a 20 MW Solar Facility in Halifax Co. Docket #SP-5422, Sub 0. - View document at <http://starwl.ncuc.net/NCUC/portal/ncuc/page/Dockets/portal.aspx>, Type SP-5422 Sub 0 in the Docket Number search line.

Located at 15919 Highway 301, near Enfield, NC

The attached project has been submitted to the N. C. State Clearinghouse for intergovernmental review. Please review and submit your response by the above indicated date to 1301 Mail Service Center, Raleigh NC 27699-1301.

If additional review time is needed, please contact this office at (919)807-2425.

AS A RESULT OF THIS REVIEW THE FOLLOWING IS SUBMITTED: ☒ NO COMMENT ☐ COMMENTS ATTACHED

SIGNED BY:



DATE: 10/15/18

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Oct 29 2018

NORTH CAROLINA STATE CLEARINGHOUSE
DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW

COUNTY: HALIFAX

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FACILITIES/ACTIVITIES

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MS CARRIE ATKINSON
CLEARINGHOUSE COORDINATOR
DEPT OF TRANSPORTATION
STATEWIDE PLANNING - MSC #1554
RALEIGH NC

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Transportation Planning
Division

SEP 28 2018

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DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

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MR GREG RICHARDSON
CLEARINGHOUSE COORDINATOR
DOA - COMMISSION OF INDIAN AFFAIRS
1317 MAIL SERVICE CENTER
RALEIGH NC

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SIGNED BY:

A handwritten signature in blue ink, appearing to read "Gregory A. Richardson", written over a horizontal line.

DATE:

9/28/19

This project requires consultation with the Halifax - Saponi Indian Tribe. Contact information is attached

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TRIBES & ORGANIZATION

September 09, 2018

MODIFIED

Coharie Tribe

Tribal Administrator: Greg Jacobs

Mailing Address: 7531 N U.S. Hwy.
421, Clinton, NC 28328

Email: greg_jacobs53@yahoo.com

Phone: 910-564-6909

Fax: 910-564-2701

www.coharietribe.org

Cumberland County Association for Indian People

Executive Director: Gladys Hunt

Mailing Address: 2173 Downing Road
Fayetteville, NC 28301

Phone: 910-483-8442

Fax: 910-483-8742

ccaip@netzero.net

Email: huntsgkids@aol.com

Eastern Band of Cherokee

Tribal Administrators: Paxton Myer;

828-359-7029; and

Rebekha Young, Executive Assistant

Ph: (828) 359-7002

rebeyog@nc-chokeee.com

Mailing Address: P O Box 455

Cherokee, NC 28719

Phone: 828-3597029

Fax: 828-497-7000

paxtmyer@nc-chokeee.com

Guilford Native American Association

Director: Rick Oxendine

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1100 Revolution Mill Dr.,
Studio #10, Greensboro, NC 27435

Fax: 336-272-2925

www.guilfordnative.org

Email: roxbuddy58@gmail.com

Haliwa Saponi Indian Tribe

Tribal Administrator: Archie Lynch

Mailing Address: P O Box 99

Hollister, NC 27844

Phone: 252-586-4017

Fax: 252-586-3918

Email: alynch@haliwa-saponi.com

www.haliwa-saponi.com

Lumbee Tribe of North Carolina

Tribal Administrator: Dr. Freda Porter

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6984 NC Hwy 711W; P O Box 2709

Pembroke, NC 28372

Email: fporter@lumbeetribe.com

Phone: 910-522-2221

Phone: 910-521-7861

Phone: 800-659-6585

Fax: 910-521-7790

Fax Adm.: 910-521-2278

www.lumbeetribe.com

Meherrin Indian Tribe

Chief & Tribal Administrator:

Wayne Brown

Address: P O Box 274

Ahoskie, NC 27910

Phone: 252-209-0934

Email:

chiefbrownmeherrin@yahoo.com

www.meherrinnation.org

Metrolina Native American Association

Executive Director: Toni Henderson

Mailing Address: 8001N. Tryon Street

Charlotte, NC 28262

Phone: 704-891-2610

Email: tonihenderson@gmail.com

www.metrolinanativeamericans.org

Occaneechi Band of the Saponi Nation

Tribal Administrator: Vickie Jefferies

Mailing Address: P O Box 356

Mebane, NC 27302

Phone: 336-421-1317

obsntribe@gmail.com

www.obsn.org

Sappony Indian Tribe

Executive Director: Dante Desiderio

Mailing Address: P O Box 3265,

Roxboro, NC 27573

Phone: 434-585-3352

Phone: 202-631-2003

Email: Sappony@msn.com

www.sappony.org

Triangle Native American Society

Address: P O Box 26841,

Raleigh, NC 27611

Email: tnaspresident@aol.com

www.tnasweb.org

Waccamaw Siouan Tribe

Housing Director: Brenda Moore

Address: P O Box 69,

Bolton, NC 28423

Phone: 910-655-8778

Fax: 910-655-8779

siouan@aol.com

www.waccamaw-siouan.com

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DEPARTMENT OF ADMINISTRATION
INTERGOVERNMENTAL REVIEW**

SEP 27 2018

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MS CINDY WILLIAMS
CLEARINGHOUSE COORDINATOR
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FLOODPLAIN MANAGEMENT PROGRAM
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SIGNED BY:

David Herlong

Act on SFHA

DATE:

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