



# Franklin County Communique to the Planning Board

## REQUEST FOR SPECIAL USE

19-SUP-01 – Tides Solar Tides Ln. located off NC 39 HWY

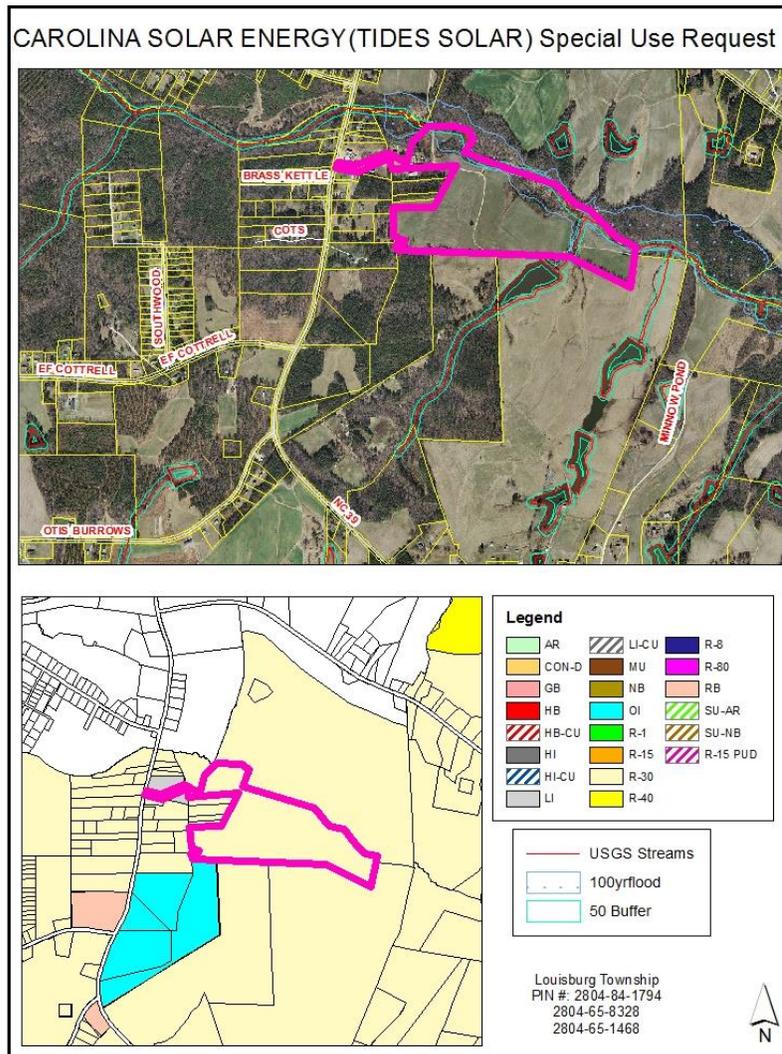
### PETITIONER(S):

Name of Petitioner: Carolina Solar Energy II, LLC  
Address: 400 W. Main St. Suite 503  
City/State/Zip: Durham, NC 27701

### OWNER(S):

Name of Owner: Dovie V. May  
Address: 1812 NC 39 HWY S.  
City/State/Zip: Louisburg, NC 27549

### LOCATION:



### ATTACHMENTS:

- Special Use Application
- Site Plan
- Decommissioning Plan

## PARCEL INFORMATION

OWNER	PARCEL #	ZONING	AREA
Dovie V. May	2804-84-1794	Residential-30 (R-30)	21.43
<b>TOTAL</b>			<b>62 Acres</b>

## ADJACENT PROPERTY SITE DATA

	ZONING	LAND USE
<b>Subject Property</b>	Residential-30	Agricultural-Residential
<b>North</b>	Residential-30	Agricultural-Residential
<b>South</b>	Residential-30	Agricultural-Residential
<b>East</b>	Residential-30	Agricultural-Residential
<b>West</b>	Residential-30/Light Industrial	Residential/Commercial

## STAFF ANALYSIS

### PROJECT OVERVIEW

**Special Use Request:** Carolina Solar is requesting a Special Use Permit to construct a solar energy farm on 21.43 +/- acres of a 62-acre parcel located off Tides Ln located off NC 39 HWY in the Louisburg Township.

**Special Use Request Analysis:** The applicant proposes to construct a solar energy farm on 21.43 +/- acres of a 62-acre parcel located off Tides Ln. located off NC 39 HWY in the Louisburg Township. The application states the solar facility will be built to meet all local, state, and fire codes. The site will be visited by Technicians once a quarter to ensure safety and proper operation. The grounds will be properly maintained to ensure aesthetics. The facility poses minimum impact to the parcel and the land can be easily restored to its original use upon completion of the lease. Additionally within the application, the applicant has provided a financial assurance of decommissioning. Removal of the facility will not cause any changes to the site as it exists now.

The submitted site plan indicates there will be no outdoor lighting, and reflects the landscaping and buffer strips, fencing, and required parking.

In addition to requirements listed in the Franklin County UDO, the following items will be required if the special use permit is approved. Evidence of approval of erosion control from the NC Dept of Environment & Natural Resources, the subject property is located within the Tar-Pamlico River basin and is required to meet nutrient regulations for nitrates and phosphates for new improvements exceeding one-half acre, NC Department of Transportation driveway permit, approval from the NC Utilities Commission, approval from the local fire department of a knox box, and an engineering estimate for the removal of the solar facility will need to be submitted in addition to a financial surety prior to issuance of building permits.

### PLANNING & ZONING

**Land Use Plan:** The Comprehensive Land Use Plan has designated this area as Agriculture/ Residential.

**Setback and Lot Size:**

<b>Zoning District</b>	<b>Min. Square Footage</b>	<b>Min. Road Frontage</b>	<b>Min. Front Setback</b>	<b>Min. Side Setback</b>	<b>Min. Rear Setback</b>
<i>Existing Zoning</i> R-30 Zoning	40,000 Sq. Ft. (non-res)	150	40	30	50
<i>Proposed Zoning</i> N/A	N/A	N/A	N/A	N/A	N/A

**Water/Sewer Service:** Public water and sewer is not available to this property.

**Transportation:** The average daily traffic count on NC 39 HWY is 4900 vehicles per day. Most solar facilities generate very few vehicle trips.

**Environmental Issues:** The subject property is located within the Tar-Pamlico river basin and is required to meet nutrient regulations for nitrates and phosphates. There is a stream and 100 year flood zone located along the northern property line of the property with a 50 foot riparian buffer that appears to be located outside the proposed solar array.

**UDO:** Listed below are minimum requirements for Solar Energy Farms as stipulated within the UDO.

Note 16. Solar Energy Farms.

- (1) A Special Use Permit is required as outlined in Article 9 (Special Uses) for Solar Energy Farms locating in the following zoning districts: AR, R-1, R-8, R-15, R-30, R-40, R-80, LI, and HI.
- (2) Structures shall not exceed twenty-five (25) feet in height, as measured from finished grade at the base of the structure to its highest point.
- (3) Solar farm facilities and structures shall conform to the principal building setbacks of the underlying zoning district which they are located.
- (4) Solar farm facilities shall be enclosed by a six (6) foot high fence.
- (5) Solar farm facilities shall not create a visual safety hazard for passing motorist.
- (6) Lighting. Lighting shall be such that it is not directed onto any adjacent properties or right-of-ways.
- (7) Screening. Shall conform to Article 14, Landscape Requirements and Section 8-1 Notes to the Table of Area, Height, and Yard Requirements Note 6. Buffer Strips. Landscaping shall be installed at a minimum of six (6) feet tall at time of planting.
- (8) Minimum lot area. Minimum lot area shall be the same as required by the underlying zoning district.
- (9) Parking. There must be an area designated outside of DOT right-of-way to accommodate a minimum of three (3) maintenance vehicles.

(10) Solar farm facilities shall be removed, at the owner's expense within one hundred eighty (180) days of a determination by the Administrator that the facility is no longer being maintained in an operable state of good repair. Financial assurance may be required of the applicant to provide for the removal of solar facilities.

### **SPECIAL USE PERMIT CHECKLIST**

In order to issue a Special Use Permit, the Board shall consider each of the following conditions, and based on the evidence presented at the hearing(s) make findings of fact in regards to each and must find that the issuance of the Special Permit is in the best interest of the County.

(A) The use or development is located, designed, and proposed to be operated so as to maintain or promote the public health, safety and general welfare;

Yes\_\_\_ No\_\_\_

(B) The use or the development complies with all required regulations of this Unified Development Ordinance and all applicable specific standards and regulations;

Yes\_\_\_ No\_\_\_

(C) The use or development is located, designed and proposed to be operated so as to maintain or enhance the value of contiguous property, or that the use or development is a public necessity;

Yes\_\_\_ No\_\_\_

(D) The use or development conforms with general plans for the physical development of the County's planning jurisdiction as embodied in this chapter, the Franklin County Comprehensive Development Plan, or other development policies as adopted by the Board of Commissioners;

Yes\_\_\_ No\_\_\_

(E) The location and arrangement of the use on the site, screening, buffering, landscaping, and pedestrian ways harmonize with adjoining properties and the general area and minimize adverse impacts;

Yes\_\_\_ No\_\_\_

(F) The type, size, and intensity of the proposed use, including such considerations as the hours of operation and number of people who are likely to utilize or be attracted to the use, will not have significant adverse impact on adjoining properties or the neighborhood;

Yes\_\_\_ No\_\_\_

(G) Utilities, school, fire, police, and other necessary public and private facilities and services will be adequate to handle the proposed use;

Yes\_\_\_ No\_\_\_

If the Board approves the Special Use Permit, it may, as part of the terms of such approval, impose any additional reasonable conditions and safeguards as may be necessary to insure that the criteria for the granting of such a permit will be complied with and to reduce or minimize any potentially injurious effect of the use on adjoining properties, the character of the neighborhood, or the health,

safety, morals, or general welfare of the community. Where appropriate, such conditions may include requirements that street and utility right-of-way be dedicated to the public and that provisions be made for recreational space and facilities.

### **PLANNING STAFF RECOMMENDED PLANNING BOARD DISCUSSION ITEMS**

Review proposed Special Use request, solicit comments or questions and make a recommendation regarding the special use request.

### **PLANNING STAFF RECOMMENDATION TO THE PLANNING BOARD**

Review proposed Special Use request, solicit comments or questions and make a recommendation regarding the special use request. Should the Planning Board recommend approval of the Special Use request, planning staff would recommend that it be done so with the following conditions:

1. Prior to securing building permits from the County, documentation from all other applicable state and federal agencies shall be submitted to the Franklin County Planning & Inspections Department verifying permit approval.
2. Final Tar/Pamlico stormwater plan approval.
3. An engineering estimate for the removal of the facility will need to be submitted in addition to a financial surety prior to the issuance of building permits. The financial surety shall not have an expiration date.
4. Approval of a NC Department of Transportation driveway permit.
5. No lighting shall be installed without approval from the Franklin County Planning & Inspections staff. If lighting is needed, lighting shall be directed so that it does not spill over onto adjacent property or right-of-way. All lighting is subject to approval by the Franklin County Planning & Inspections Department.
6. Screening shall conform to Article 14. Landscape Requirements and Article 8., Section 8-1, Note 6. Buffer Strips. (As shown on the site plan, existing vegetation is being used where feasible to satisfy this requirement. It shall remain in place or landscaping shall be installed at a minimum of six (6) feet tall at time of planting.) Planning Staff may require additional landscape buffering around the perimeter of the site if existing vegetation is not sufficient. This shall be installed prior to final inspection and approval.
7. Approval from local fire department for Knox box.
8. Approval of final layout and design of all solar panels and associated structures (substations/inverters/transformers) shall be submitted for review to the Franklin County Planning Department prior to the issuance of building permits.
9. All substations/inverters/transformers shall not exceed a noise level of 60 dB (decibels) at property line.
10. Sedimentation and erosion control plan approval.

11. Prior to issuance of zoning and building permits a Landscape/Conservation Easement shall be recorded where existing vegetation is being used to satisfy the buffer requirement. Buffer must be located outside of the security fence.