

**Report to the North Carolina General Assembly
Environmental Review Commission and the Joint
Legislative Commission on Energy Policy**



***Eighth Quarterly Report on the
Utility-Scale Solar Project (USSP)
Decommissioning Program***

September 1, 2025

Division of Waste Management

NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY

Pursuant to SL 2023-58, Section 2.(d)

Table of Contents

A. Executive Summary	1
B. Background	2
C. Program Activities and Outreach.....	3
D. Rulemaking	4
E. Registration and Fee	5
F. Recommendations	7

A. Executive Summary

In accordance with Session Law 2023-58, s. 2.(d), Beginning December 1, 2023, through December 1, 2025, the Department of Environmental Quality (DEQ) is submitting quarterly reports to the Environmental Review Commission and the Joint Legislative Commission on Energy Policy on implementation of the requirements of Section 2 of S.L. 2023-58, including program development and the status of the rulemaking. These requirements are fulfilled in the following report, which is the **eighth** of nine quarterly reports.

This report includes:

- An update on outreach efforts with stakeholders.
- An update on the development of rules.
- An update on the development of the registration form, process, and database.
- Recommendations to the General Assembly.

B. Background

North Carolina [S.L. 2023-58](#) requires the owner of a utility-scale solar project capable of generating two (2) or more megawatts (MW) alternating current (AC) that is directly connected to the electrical grid to:

- Properly decommission the project upon cessation of operations and restore the property.
- Register with the DEQ and pay a fee.
- Submit a decommissioning plan and establish financial assurance for new and rebuilt/expanded utility-scale solar projects.

S.L. 2023-58, which included the addition of Article 9 Part 2J of Chapter 130A of the General Statutes (G.S. 130A-309.240 through 130A-309.243) and G.S. 130A-309.06(c)(21), made DEQ the lead agency in the statewide administration and enforcement of utility-scale solar project registration, decommissioning, and financial assurance program for new projects, and for enforcing the new state-level statutory registration and decommissioning requirements for existing utility-scale solar projects.

Prior efforts and research that led up to the legislation in S.L. 2023-58 and the information presented in this report can be reviewed in the following prior legislation and subsequent reports/plans submitted to the General Assembly as required in the respective legislation:

[S.L. 2019-132 \(H329\)](#)

- The EMC and DEQ evaluated the end-of-life management of renewable energy equipment and summarized the evaluation in the January 1, 2021 "[Final Report on the Activities Conducted to Establish a Regulatory Program for the Management and Decommissioning of Renewable Energy Equipment](#)."

[S.L. 2021-165 \(H951\)](#)

- DEQ evaluated options for the decommissioning of utility-scale solar projects and financial assurance and summarized the evaluation in the March 1, 2022 "[Plan and Recommendations for Financial Resources for Decommissioning of Utility-Scale Solar Panel Projects](#)."

Recent legislation related to photovoltaic modules includes the following:

[S.L. 2023 -137 \(H600\)](#)

- Section 19.(a) of this Session Law revises G.S. 130A-309.10 to prohibit the disposal of photovoltaic modules, or components thereof, in a sanitary landfill for the disposal of construction and demolition debris waste that is unlined or in any other landfill that is unlined in North Carolina. The statute revision is effective December 1, 2026, per Section 19.(c) of the Session Law.

C. Program Activities and Outreach

DEQ created the Utility-Scale Solar Decommissioning Program under the Division of Waste Management to administer and enforce the requirements of S.L. 2023-58 and subsequent rulemaking. The Utility-Scale Solar Decommissioning Program webpage can be accessed at this link:

<https://www.deq.nc.gov/about/divisions/waste-management/utility-scale-solar-project-decommissioning-program>



This webpage will continue to be updated throughout program implementation as changes occur. The webpage currently has the following information:

- an overview of the program and its purpose and applicability;
- program development status;
- links to S.L. 2023-58, G.S. 130A-309.240 and .243, and 15A NCAC 01V;
- rule development history;
- copies of quarterly and annual reports submitted to the General Assembly;
- answers to anticipated questions;
- program contact information; and
- links to fact sheets, additional guidance, and a memorandum providing notice of registration and fee payment requirements.

Activities and outreach from August 2023 through May 2025 are summarized in the [quarterly reports posted on the Utility Scale Solar Decommissioning Program website](#). Between June and August 2025, NCDIT worked with NCDEQ staff to complete the development of the online registration form and fee payment platform. The platform went live on the DEQ website on August 1, 2025. DEQ staff issued a memorandum on the same date to existing project owners, solar developers, and other solar project stakeholders providing information on the registration and fee payments requirements. Further information on the registration and fee payments can be found in Section E of this report.

D. Rulemaking

DEQ staff in the Division of Waste Management drafted proposed rule language and an associated fiscal and regulatory impact analysis and worked with stakeholders to attempt to address their concerns, where possible, prior to publishing the proposed rules for public comment and following the public comment period. The proposed rules were published for public comment and hearing from October 15 to December 16, 2024.

DEQ Secretary Wilson adopted the rules on February 3, 2025, with changes made in response to comments received, meeting the adoption deadline in the Session Law of August 1, 2025. The rules were approved by the Rules Review Commission at their March 27, 2025, meeting, and the rules became effective April 1, 2025. The effective rules can be accessed from the Office of Administrative Hearings (OAH) website at this link:

<http://reports.oah.state.nc.us/ncac/title%2015a%20-%20environmental%20quality/chapter%2001%20-%20departmental%20rules/subchapter%20v/subchapter%20v%20rules.html>



The effective date in S.L. 2023-58, s. 4 for registration, payment of fees, and other requirements as outlined in the Session Law is November 1, 2025.

Completed Rulemaking Activities



Date	Action
Completed Actions	
September 20, 2024	DEQ approved the proposed rules and the OSBM-approved fiscal and regulatory impact analysis (RIA) for public comment
October 15, 2024	<ul style="list-style-type: none">• The proposed rules were published in the NC Register, beginning the public comment period.• The public notice information, proposed rules, and RIA were published on the DEQ website.• Notice was sent to stakeholders of the comment period and hearing.• In accordance with G.S. 150B-21.3(c1) and G.S. 12-3.1, a request for consultation on the fee structure and amounts proposed in the rules (under the authority of G.S. 130A-309.240(h)) was sent to the Joint Legislative Commission on Governmental Operations, the Commission Assistant, and the Fiscal Research Division of the General Assembly.
November 7, 2024	Public Hearing held at DEQ office in Raleigh with virtual option.
December 16, 2024	End of public comment period for rules
February 3, 2025	DEQ adopted the rules with changes made in response to comments
March 27, 2025	Rules Review Commission approved the rules as adopted by DEQ
April 1, 2025	Effective Date of Rules


E. Registration and Fee

DEQ worked with DIT to develop an all-in-one electronic/online platform solution for the registration form and review process, the database for site inventory, invoicing and payment of the registration fee, and the five-year registration updates in accordance with G.S. 130A-309.240(e) and (h). The platform allows project owners to create an account online where they can do the following:

- register all of their utility-scale solar projects,
- upload copies of decommissioning plans and financial assurance mechanism documents,
- view and pay invoices for the registration fee, and
- update the project information every five years to complete the registration update requirements.

The DEQ Utility-Scale Solar Project Decommissioning Registration and Fee Payment platform was live and publicly available for use by utility-scale solar project owners on August 1, 2025. Links to the Registration and Fee Payment platform, and a Guidance Document, can be found in the table below, and are also available on the DEQ USSP Decommissioning Program website.

Name	Description	Web Address/Link	QR Code
Registration Form and Fee Payment Guidance	Guidance to assist with filling out the form and paying fees. Please review prior to account creation and form submittal.	https://edocs.deq.nc.gov/WasteManagement/DocView.aspx?id=1897908&dbid=0&repo=WasteManagement&cr=1	
Registration and Payment Portal	Online portal to fill out and submit the registration form and pay fees.	https://ncdeq.dynamics365portal.us/wm-sp-home/	



Home | Divisions | Knowledge Base | Sign In / Register

Home > Utility-Scale Solar Project Registration Portal

General Information:

About Us

Useful Links:

NC Session Law 2023-58

Utility-Scale Solar Program Website

Registration Guidance Document

Utility-Scale Solar Project Registration Portal

Welcome to the new North Carolina Department of Environmental Quality Utility-Scale Solar Project Registration Portal. Utility-Scale Solar Project Owners can complete the registration process and pay fees required by SL 2023-58 via this portal, and view, update, and track information for each of their projects located in NC. Please review the Registration Guidance Document prior to filling out the registration form.

My Utility-Scale Solar Projects

View, edit, or add to your list of solar projects.

My Solar Project Contacts

View, edit, or add to your list of project contacts.

My Invoices

This page shows invoices that you are responsible for. Since there are several applications that can generate an invoice, you may have to use the view selector to view invoices for various purposes. The default view shows invoices where you are listed as the contact on the invoice.

The owner of a utility-scale solar project must register with NCDEQ and pay a fee as follows:

- By November 1, 2025, or at least 90 days prior to the commencement of construction of the project if the project is to be constructed after November 1, 2025; and
- At least 90 days prior to commencement of a rebuild or expansion of a utility-scale solar project.

Fee amounts can be found in 15A NCAC 01V .0103. After the required registration information and supporting documentation is submitted via the USSP Portal, NCDEQ will generate an invoice for the fee payment, and send it to the registration account holder via email. For existing projects that are required to pay the fee by November 1, 2025, the invoice will be sent by September 30, 2025, with a payment due date of October 31, 2025. Any additional information on fees and making payments, and any updates as they occur, will be posted on the USSP program website. DEQ program staff will also review the submitted information and documentation, and work with the submitter to ensure that the information is complete in accordance with the applicable State regulations.

DEQ issued a memorandum on August 1, 2025, to the registered agents for existing utility-scale solar project owners in NC, and to solar project developers, other solar stakeholders and organizations, and local government organizations providing information regarding the registration and fee platform. The memorandum was also posted on DEQ's USSP Decommissioning program website on the same date.

F. Recommendations

DEQ requests the North Carolina General Assembly's consideration on the following recommendations.

- ***Provide resources for DEQ to administer the program through general appropriations for the first year of the program.***

DEQ would benefit from non-recurring funding of 3 FTE's in the amount of \$367,201 for FY 2025-2026 to be able to administer the program until the mandated registration fees are collected. Currently, the funding to administer and enforce the program requirements is not available until after registration fees have been collected. Registration fee collection is mandated by S.L. 2023-58 and effective November 1, 2025. The mandated fees are recurring only every five years per the Session Law and General Statute requirements. Work performed to start up the program and to comply with the mandated requirements of S.L. 2023-58 is currently done by existing employees in addition to their regularly assigned workload. In the short term, priorities have been shifted and triaged to be able to meet the mandates of S.L. 2023-58; however, this is not a sustainable solution through the end of 2026. The first year of the utility-scale solar project decommissioning and financial assurance program needs to be adequately funded up front for program start-up and execution to be successful.

- ***Require counties to review and repeal/amend duplicative or less stringent requirements that apply to utility-scale solar projects after November 1, 2025.***

In 2021, there were 60 North Carolina counties that already had financial assurance/decommissioning requirements in county ordinance (Plan and Recommendations for Financial Resources for Decommissioning of Utility-Scale Solar Panel Projects, March 1, 2022).

S.L. 2023-58 allows for decommissioning/financial assurance requirements more stringent than the statewide minimum standards to be retained by counties. For existing projects (constructed prior to November 1, 2025), counties may continue to administer any financial assurance requirements included in county ordinances. For projects that are constructed after that deadline, counties may continue to administer any decommissioning or financial assurance requirements that are more stringent than the new state requirements included in S.L. 2023-58. However, S.L. 2023-58 is not clear on what to do if/when counties maintain decommissioning/financial assurance requirements in their county ordinance that are duplicative with state requirements and will apply to utility-scale solar facilities that are constructed after November 1, 2025.

To ensure there are no duplicative requirements and to reduce confusion for the regulated entities and the entities administering the program, the General Assembly could mandate that counties review ordinances related to utility-scale solar projects and repeal and/or amend county ordinance to ensure any decommissioning/financial assurance requirements that still apply to utility-scale solar projects constructed on or after November 1, 2025 are not duplicative or less stringent than the requirements established by the statewide program.

- ***Provide resources to encourage economic development of recycling or reuse of solar panels.***

North Carolina's recycling industry currently employs over 15,000 people in more than 500 businesses. The strength of the industry provides the state with a unique opportunity to take advantage of the burgeoning market for solar panel recycling. In fact, North Carolina is already home to the first dedicated solar panel recycling line on the east coast. Further resources may be needed, however, to keep North Carolina businesses in a leading position. While S.L. 2023-58 mandated that the Department of Commerce identify existing incentives and grant programs that may be used to encourage research and development on recycling and reuse of PV modules and to facilitate growth of the State's PV module recycling and reuse industry, the North Carolina General Assembly did not allocate any financial resources to encourage the economic development of this industry.