

A Survey of U.S. Policies and Initiatives

- NREL has initiated a survey of US state-level policies and initiatives related to PV recycling
- We are evaluating across a wide landscape of policies
 - Laws: enacted, proposed (current), proposed (in last few years)
 - Regulations: promulgated, proposed
 - Initiatives: stakeholder initiatives run by states, voluntary industry initiatives, codes and standards
- Today: a quick overview of laws
- Expected publication Fall 2019

(2017) Washington State

Photovoltaic Module Stewardship and Takeback Program

- Manufacturers selling solar modules in the state after July 1, 2017 are held responsible for the creation, financing, and implementation of a collection system and reuse and recycling plan at no cost to the system owner.

(July, 2019) North Carolina HB 329

- This Bill requires the Environmental Managing Commission to develop regulations to oversee end-of-life PV management and utility-scale solar projects. However, the funding mechanisms have not been establish, and are uncertain at this time.

(August, 2019) New Jersey SB 601

- This Bill established the New Jersey Solar Panel Recycling Commission to develop recommendations and report recycling and end-of-life management options for the state.

Proposed

(2015-Currently Modifying) California

- Formerly classified as Hazardous Waste, the California Department of Toxic Substances Control (DTSC) is now in the process of classifying PV modules as Universal Waste. This less stringent requirement would make PV waste easier to collect, transport, and recycle.

New York SB 942

- This Bill would require manufacturers selling solar modules in the state to implement a collection and recycling program at no cost to the system owner.
- Also creates a landfill ban

North Carolina SB 568

- This Bill would prohibit utility scale owner/operators and module manufacturers from disposing of solar modules and energy storage equipment, and would require module manufactures to provide a takeback program which includes recycling and reuse of equipment.