



MARYLAND COMMISSION
ON CLIMATE CHANGE

Serena McIlwain, Chair

The Solar Photovoltaic Systems Recovery, Reuse, and Recycling Working Group

May 23, 2024



Outline

- Member Introductions
- Overview of the MCCC and Working Group Charge
- Introduction and Discussion of Study
- Discussion on Work Plan and Process

Introductions

Please introduce yourself, including your role and organization name



Part 1

Overview of the MCCC and Working Group

The Maryland Commission on Climate Change (MCCC)

- MCCC Goal: Provide recommendations on how to reduce GHG emissions and adapt to the impacts of climate change
- Originated in 2007
- Commission codified into law in 2015
 - Made recommendations on the GGRA in December of 2015
 - GGRA of 2016 signed into law in April 2016
- The Climate Solutions Now Act of 2022 added state climate goals and expanded MCCC membership, including adding four new working groups.

MCCC Working Groups

- Originally had four working groups:
 - The Adaptation and Response (Resilience) Working Group
 - The Scientific and Technical Working Group
 - The Education, Communication and Outreach Working Group
 - The Greenhouse Gas Mitigation Working Group
- Four new working groups due to the CSNA:
 - **The Solar Photovoltaic Systems Recovery, Reuse and Recycling Working Group**
 - The Just Transition Employment and Retraining Working Group
 - The Energy Industry Revitalization Working Group
 - The Energy Resilience and Efficiency Working Group

The Solar Photovoltaic Systems Recovery, Reuse, and Recycling Working Group

BOOKMARK [THE WEBPAGE](#) TO SEE CURRENT MEMBERS AND MEETING MATERIALS.

Membership:

- ONE MEMBER OF THE SENATE OF MARYLAND, APPOINTED BY THE PRESIDENT OF THE SENATE - Sen. Benjamin Brooks
- ONE MEMBER OF THE HOUSE OF DELEGATES, APPOINTED BY THE SPEAKER OF THE HOUSE - Delegate Mike Rogers
- THE MDE SECRETARY, OR THE SECRETARY'S DESIGNEE - Tyler Abbott, Chair
- THE DIRECTOR OF THE MARYLAND ENERGY ADMINISTRATION, OR THE DIRECTOR'S DESIGNEE - Evie Schwartz
- THE SECRETARY OF NATURAL RESOURCES, OR THE SECRETARY'S DESIGNEE - Josh Kurtz
- ONE REPRESENTATIVE OF THE PUBLIC SERVICE COMMISSION, SELECTED BY THE CHAIR OF THE COMMISSION - David Chy
- ONE REPRESENTATIVE OF THE CHESAPEAKE CLIMATE ACTION NETWORK, SELECTED BY THE CHESAPEAKE CLIMATE ACTION NETWORK - Diana Menendez

THE FOLLOWING SIX MEMBERS, APPOINTED BY THE GOVERNOR:

- ONE REPRESENTATIVE OF AN INVESTOR-OWNED ELECTRIC COMPANY WITH CUSTOMERS IN THE STATE - Pearl Donohoo-Vallett
- ONE REPRESENTATIVE OF THE UTILITY-SCALE SOLAR INDUSTRY -David Beugelmans
- ONE REPRESENTATIVE OF THE COMMUNITY SOLAR ENERGY INDUSTRY - Stacey Onoh
- ONE REPRESENTATIVE OF THE DISTRIBUTED GENERATION SOLAR INDUSTRY - Scott Elias
- ONE REPRESENTATIVE WITH EXPERTISE IN SOLAR PHOTOVOLTAIC SYSTEMS RECOVERY, REUSE, AND RECYCLING - Bob Sadzinski
- ONE INDIVIDUAL WITH EXPERTISE IN DECOMMISSIONING ENERGY-RELATED PROJECTS - pending

The Solar Photovoltaic Systems Recovery, Reuse, and Recycling Working Group

- May 23 - Introductions
 - Scope, Schedule, and Expectations
 - Speaker - Dr. Kathleen Kennedy (Introduce team and project)
- June 17 - Current State
 - Speaker - Bob Nicholson, SEIA
 - Speaker - Scott Elias, Clean Capital
 - Potential Speaker - Dr. Endalkachew, EPA
- July 15 - Decommissioning Solar Panels and Markets
 - Speaker - Bab Sadzinski, DNR (Decommissioning considerations)
 - Speaker - Dave Comis, MEA (Report out on graduate student projects)
 - Potential Speaker - Neel Vasavada, Overdrive Rocks
- August 19 - Life Cycle Analysis and Economic Analysis
 - Speaker - UMD/JHU (Progress update on research)
 - Speaker - Garvin Heath - NREL (Solar LCA analysis)

The Solar Photovoltaic Systems Recovery, Reuse, and Recycling Working Group

- September 16 - Other State and Country Approaches and Certifications
 - Speaker - Mike Esterbrook, SERI (R2 Certification)
 - Speaker - Karen Drozdiak, First Solar (Solar Recycling and Recycling Policy in Europe)
 - Potential Speaker - Megan Warfield Washington State (Solar Panel Stewardship)
- October 18 - Financing Mechanisms and Infrastructure Needs
 - Speaker - Pablo Diaz (Solarcycle)
 - Potential Speaker - Someone from HG Ventures
- November 18
 - Speaker - Dr. Kathleen Kennedy (Final Report Out)

Part 2

Introduction and Discussion of Study and Work Plan