

Information about the SolSmart Silver Designation was added under the Solar Energy section.

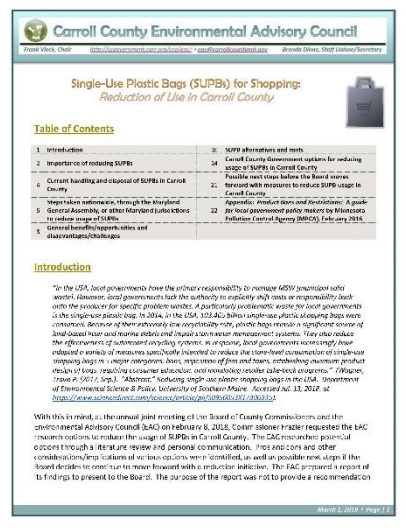
The booklet is available on the EAC's webpage and was distributed via hardcopies and/or email link to the community. Hardcopies were also provided to the delegation as a reference resource.

This year, a one-sheet infographic was also prepared to serve as a quick reference. This infographic is available online as well.

COMPLETED

Report – Single-Use Plastic Bags (SUPBs) for Shopping: Reduction of Use in Carroll County

The trend toward reusable shopping bags provides benefits to the County, including less clogging of storm drains and less waste in the landfill. Recycling of plastic bags can be challenging, primarily due to cost, interference with recycling sorting equipment, and bags that aren't clean.



At Commissioner Frazier's request and the Board's concurrence, the EAC researched options available to Carroll County to reduce the use of SUPBs. The EAC researched current usage in Carroll County, alternatives to SUPBs, options for reduction of use, and pros and cons. The EAC provided its findings to the Board in a report dated March 1, 2019. The report is available on the EAC's website.

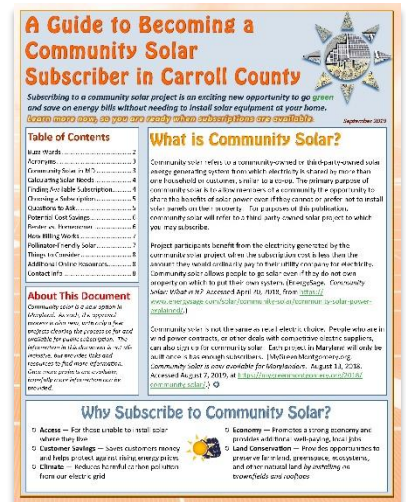
COMPLETED

Public Outreach – Guide to Becoming a Community Solar Subscriber in Carroll County

Community solar refers to a community-owned or third-party-owned solar energy generating system from which electricity is shared by more than one

household or customer. The primary purpose of community solar is to allow members of a community the opportunity to share the benefits of solar power even if they cannot or prefer not to install solar panels on their property.

As a follow-up to a report to the Board in 2018 on availability of community solar to Carroll County residents, the EAC prepared a booklet for Carroll County property owners as a guide through the process of identifying a third-party-owned community solar project and becoming a subscriber.



Through this process, the EAC identified a need to provide information to help the public understand renewable energy options as a whole. The EAC prepared *An Overview of Renewable Energy Choice Options for Consumers* as a companion document to both *A Guide to Becoming a Community Solar Subscriber in Carroll County* and *A Guide to Residential Solar Installation in Carroll County*, the latter of which was completed in 2017. This overview provides a context for the various solar options relative to the big picture of renewable energy.

The *Guide* and the *Overview* were completed in September 2019 and are available online.

COMPLETED

Public Outreach – Residential Graywater Use in Carroll County

Graywater is untreated water collected from a clothes washing machine or a bathroom sink, tub, or shower. While not drinkable, it is suitable, and even beneficial, for irrigating certain areas of the yard, which also helps to conserve water usage. The 2018 Maryland General Assembly passed legislation (Senate Bill 496/Chapter 705) to allow residential graywater



for certain uses. The legislation requires Maryland Department of the Environment (MDE) to develop regulations to implement the bill's provisions.

Per the 2018 Work Plan and continued to the 2019 Work Plan, the EAC will research homeowner graywater usage and prepare public outreach materials to help provide Carroll's residents with basic information regarding graywater, its residential uses, and benefits. The materials will be made available in hardcopy and online.

The EAC is currently waiting on regulations to be released by MDE. These regulations need to be available before the EAC can inform the public of the process(es) and requirements associated with use of residential graywater in Carroll County.

ON HOLD

2020 Work Plan

The EAC developed a work plan for proposed projects to be completed during the 2020 calendar year. On December 3, 2019, the EAC approved to recommend these proposed projects to the Board. The work plan will be finalized pending discussion, any additional projects requested by the Board, and concurrence by the Board at the annual joint meeting with the EAC, scheduled for January 23, 2020.

PENDING BOARD CONCURRENCE

Solid Waste Committee Service on Solid Waste Advisory Council (SWAC):

One member of the EAC continued to serve on the SWAC, which is facilitated by the Department of Public Works (DPW) staff. The group serves in an advisory capacity to the DPW regarding implementation of recommendations from the former Solid Waste Work Group's report, input on potential capital projects and future directions, as well as public outreach efforts. The EAC member on the SWAC serves as a liaison between the two groups to allow for additional collaboration and input to the SWAC.

ONGOING



Actions Taken

- ◆ *Public Outreach – Stormwater Workshop for Municipal Residents:*
 - ▶ Per the 2019 Work Plan and the NPDES MS4 permit, surveys, advertising, materials, and logistical/administrative details were developed and implemented.
 - ▶ The workshop was held on September 7, 2019, at the North Carroll Senior and Community Center in Hampstead.
- ◆ *Report – Single-Use Plastic Bags (SUPBs) for Shopping: Reduction of Use in Carroll County:*
 - ▶ At the direction of the Board, the EAC members researched types of plastic shopping bags, current usage, alternatives, options for reduction of use, and pros and cons. Members began drafting the initial text of an informational report in 2018. Research was completed and the report formatted and finalized in 2019.
 - ▶ On March 1, 2019, the EAC approved the report as its final work product to provide to the Board. The report was forwarded to the Board on March 1, 2019.
- ◆ *Public Outreach – A Guide to Becoming a Community Solar Subscriber in Carroll County:*
 - ▶ At the direction of the Board, the EAC researched community solar options available to Carroll County property owners and how to subscribe to a community solar project. The EAC prepared a guide document, which was completed in September 2019. The *Guide* is available on the EAC's website.
- ◆ *Public Outreach – An Overview of Renewable Energy Choice Options for Consumers:*
 - ▶ As part of the process of developing *A Guide to Becoming a Community Solar Subscriber in Carroll County*, the EAC prepared a companion document that provides a broader picture of renewable energy options and how solar fits in that context. The *Overview* was completed in September 2019 and is available on the EAC's website.
- ◆ *Public Outreach – Residential Graywater Use in Carroll County:*
 - ▶ At the direction of the Board, the EAC began research to develop public outreach materials

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to inform residents of options for using residential graywater.

- ▶ The EAC is awaiting regulations from MDE indicating how residential graywater is to be implemented, per 2018 Senate Bill 496.
- ◆ *Work Plan:*
 - ▶ In fall 2019, the EAC drafted a proposed 2020 Work Plan in preparation for the annual joint meeting with the Board, which is scheduled for January 23, 2020.
 - ▶ On December 3, 2019, the EAC approved recommending these proposed projects to the Board through presenting them in the proposed work plan for Board discussion and concurrence.
- ◆ *Annual Report:*
 - ▶ The 2019 Annual Report to the Board was reviewed in December.
 - ▶ On December 3, 2019, the EAC approved a final product to present to the Board.

Public Education

Part of the EAC's charge is public education on environmental issues that are pertinent to Carroll

County. In 2019, EAC members participated in the following public education activities:

- ◆ *September:*
Stormwater Workshop for Municipal Residents in Hampstead and Manchester



Citizen Concerns/Issues

Concerns or issues are periodically brought to the EAC's attention. The EAC responded to or referred the individuals to the appropriate agencies, as needed.

- ◆ *April:* Possible spring water contamination
- ◆ *September:* New development seeding spray

Informational Briefings

Received

- ◆ *September:* Solid Waste Advisory Council Update/Status (Jeff Castonguay)

Member Activity

<u>Member</u>	<u>Action</u>	<u>Term Expiration</u>
Curtis Barrett Ellen Cutsail Jesse Drummond Charlene Norris Craig Paskoski Tiffany VanDerwerker Frank Vleck	<ul style="list-style-type: none"> ◆ Served as current members throughout the entire year. ◆ Frank Vleck continued to serve as Chair. Craig Paskoski continued to serve as Vice Chair. (2-year terms ending in April 2020) 	--
Curtis Barrett	◆ Reappointed to full term; accepted February 12, 2019.	February 1, 2023
Natalie Kartalia	◆ Appointed March 4, 2019.	July 31, 2023
David Hynes	◆ Term expired. Did not seek reappointment due to work and other commitments.	September 30, 2019
Current Vacancy	◆ David Hynes' departure created a vacancy as of October 1, 2019.	
Upcoming 2020 Term Expirations	◆ Jesse Drummond's and Charlene Norris's terms will expire on January 31, 2020. They are both eligible for reappointment.	January 31, 2020



December 3, 2019

