

Quarterly Review of Environment and Energy Not in Board Packages (NIPs)

Environment and energy-related NIPs distributed to the Board since the last Environmental Committee meeting on July 21, 2020 are listed and summarized below for Board review and discussion, as needed:

Community-wide Energy and Climate Action Plan: Third Update (October 2020)

This memorandum provides an overview of the recent activities supporting the Community-wide Energy and Climate Action Plan (CECAP) planning process that have taken place since the second CECAP planning update memo of April 29, 2020, and information regarding a necessary process change in response to the COVID-19 pandemic.

DPWES Environmental Initiatives Update (October 2020)

In this memorandum, DPWES provides updates on several ongoing environmental initiatives, including Operation Stream Shield, the conversion of the county's streetlights to LED and the county's glass recycling effort.

Energy Service Company Status Update (October 2020)

In this memorandum, the Office of Environmental and Energy Coordination (OEEC) staff provide an update on the progress that has been made on the county's Energy Service Company (ESCO) pilot. The memorandum also discusses the status of the pilot and next steps.

Fairfax Green Initiatives Update (October 2020)

On February 5, 2019, the Board of Supervisors unanimously approved the Fairfax Green Initiatives Board Matter, which outlines 19 energy-related action items for Board offices, three Board committees, the Tree Commission and the County Executive. In July 2020, the Board unanimously approved a follow-on motion, the Fairfax Green Initiatives #2 Board Matter, which includes 14 additional environment and energy-related action items for the County Executive, County Attorney, Land Use Policy Committee, and several county departments and agencies.

In June 2019, staff developed an Implementation Matrix to track progress on Fairfax Green Initiatives. The matrix, which is shared quarterly with the Board, tracks completed, ongoing and anticipated implementation on action items. This memorandum describes progress made on five action items under the Fairfax Green Initiatives Board Matter since the last quarterly update, and provides an updated Implementation Matrix that incorporates the action items from the Fairfax Green Initiatives #2 Board Matter.

Update on Solar Power Purchase Agreement Initiative (October 2020)

On December 6, 2019, Fairfax County awarded contracts to multiple vendors to install solar photovoltaic (PV) panels on county government, school, park and housing authority facilities and to sell the electrical output of these solar PV panels to the facilities pursuant to solar power purchase agreements (PPAs). These awards were the subject of a December 6, 2019 memorandum to the Board entitled *Solar Power Purchase Agreement Contract Awards*. The purpose of this memorandum is to describe activities since then in furtherance of the county's solar PPA initiative. Attachment A to the memorandum provides an overview of the multi-month process that begins with execution of a site-specific PPA and culminates in activation and the purchase of renewable energy generated on-site by the PPA provider. Attachment B details the steps required to construct and install roof-mounted and canopy systems following zoning and permit approvals.