

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

Environment and energy-related NIPs distributed to the Board since the September 28, 2021 Environmental Committee meeting are listed and summarized below for Board review and discussion, as needed:

Update Regarding Electric Vehicle Charging Infrastructure (December 2021)

Since FY 2019, the Board of Supervisors (Board) has allocated approximately \$3 million to install the infrastructure and equipment needed to charge electric vehicles (EVs). The attached memorandum discusses the Board's direction, funding to date, installations that are nearing completion and those planned over the next two years, and several challenges and considerations in moving forward. The memorandum also discusses a staff proposal regarding rates to be charged for the provision of EV charging service, which staff anticipates presenting to the Board in early 2022. Examples of the Level 2 EV charging stations that are being installed are shown in Attachment 1. A chart listing potential sites for the installation of EV charging infrastructure is included as Attachment 2.

The Role of Off-Site Renewable Energy in Achieving Renewable Energy Goals (December 2021)

This memorandum addresses the challenge of meeting the renewable energy goals of the Operational Energy Strategy (OES) and outlines opportunities for meeting that challenge. It concludes that a large off-site solar or wind power purchase agreement (PPA) is essential to meet the county's OES renewable energy goals. A significant purchase of off-site renewable electricity would complement the use of on-site renewables and the growing share of renewable power on the electric grid, allowing the county to achieve its goals in a cost-effective manner.

Off-site PPAs could make 100 percent renewable electricity for operations possible by 2030, exceeding OES goals and demonstrating leadership in the Commonwealth. In addition, the OES includes a goal of carbon neutrality for county operations by 2040. By achieving 100 percent renewable electricity for county operations, off-site PPAs support the ambitious goal of carbon neutrality as well.

Resilient Fairfax, Climate Adaptation and Resilience: Second Update (December 2021)

This memorandum provides an update on activities related to Resilient Fairfax, the county's climate adaptation and resilience plan, since the initial Resilient Fairfax planning update memorandum dated June 1, 2021, and presentation at the [Board of Supervisor's Environmental Committee meeting on June 15, 2021](#).