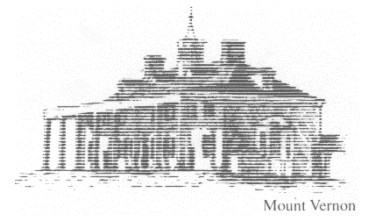




Dan Storck

*Mount Vernon District Supervisor
Fairfax County Board of Supervisors
2511 Parkers Lane
Mount Vernon, VA 22306*



Mount Vernon

Telephone: (703) 780-7518 E-mail: mtvernon@fairfaxcounty.gov

Acceptance of Joint Environmental Task Force (JET) Report Joint with Supervisor Penny Gross

October 20, 2020

This Board Matter and the JET Report build on previous actions by the Board of Supervisors (BOS) on October 30, 2018, then chaired by Sharon Bulova and the School Board, then chaired by Karen Corbett Sanders, to establish the Joint Environmental Task Force to accelerate our actions in response to the climate crisis. The JET was charged with working with staff and engaging the community to identify areas for collaboration between the two entities to further overall County efforts in energy efficiency and environmental sustainability, developing implementation strategies and making recommendations to the Boards.

In spring and summer 2019, the JET Executive Committee solicited community members to round out the membership, drafted a mission statement and developed focus areas. In September 2019 the JET held its first full membership meeting. At subsequent meetings, the mission and organizational areas were finalized and approved. From the organizational areas identified, four overarching focus areas were chosen for priority focus and subcommittees were formed to work with staff to understand existing practices and policies and to draft recommendations. The subcommittees included: energy, transportation, waste management and recycling, and workforce development. On September 2, 2020, the JET adopted the draft report from the subcommittees and recommended the Executive Committee members present them to their respective Boards.

The Report Executive Summary states that the challenges of climate change are growing exponentially and we, as County leaders, need to set a clear and determined agenda to move as swiftly as possible to reduce our greenhouse gas emissions and mitigate the effects of climate change. Today, we not only hear the news and statistics about the environmental challenges across the globe, but we hear regularly from Fairfax County residents that they are concerned and want us to be leaders. We must act now, and the Joint Environmental Task Force (JET) recommendations do just that.

The attached JET Report includes subcommittee sections detailing their recommendations. Below is an executive summary of the JET recommendations for consideration by the Fairfax County Board of Supervisors and the Fairfax County Public Schools (FCPS) Board:

- **Energy:** The Fairfax County Board of Supervisors, the Fairfax County Park Authority, The Fairfax County Regional Housing Authority, and the Fairfax County School Board should commit to being energy carbon neutral by 2040.
- **Solid Waste and Recycling:** Fairfax County government and schools should set an aspirational goal to be at zero waste by 2030.
- **Workforce:** Fairfax County government and schools should provide additional resources for students and adult learners to know about and pursue “green” career paths.

- **Transportation:** Fairfax County Connector bus fleet should be transitioned to electric (or other non-carbon emitting) alternatives by 2030, and the FCPS fleet by 2035. All non-bus fleet vehicles that have electric alternatives should be transitioned by 2035.

Recognizing the importance of environmental justice, all County and school initiatives undertaken as a result of these recommendations shall be implemented through the One Fairfax Lens with a prioritization on equity.

THEREFORE, Mr. Chairman, we ask, with unanimous consent that the Board accept the Joint Environmental Task Force Report and direct the County Executive to bring an action plan to the Board's Environment Committee no later than March 2021 for implementation of the recommendations in the Report.

Joint Environmental Task Force

Fairfax County Board of Supervisors

Fairfax County School Board

Final Report

October 1, 2020

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Background

On October 30, 2018 then Chairman Sharon Bulova brought forward a Board Matter, passed unanimously, that instructed County staff to identify potential areas of environmental collaboration with Fairfax County Public Schools (FCPS) to be presented at a joint Board of Supervisors – School Board meeting. At the subsequent Environmental Policy Meeting between the two Boards on April 2, 2019, the Boards discussed and decided to move forward to establish a joint committee, the Joint Environmental Task Force (JET). The respective Board Chairs, Chairman Bulova and then School Board Chair Karen Corbett Sanders, presented the framework of the JET to their Boards. The JET was charged with working with staff and engaging the community to identify areas for collaboration between Fairfax County Government and FCPS to further County efforts in energy efficiency and environmental sustainability, developing implementation strategies and making recommendations to the Boards.

In spring and summer 2019, the JET Executive Committee solicited community members to round out the membership, drafted a mission statement and developed focus areas. In September 2019 the JET held its first full membership meeting. At subsequent meetings, the mission and organizational areas were finalized and approved. From the organizational areas identified, four overarching focus areas were chosen for priority focus and subcommittees were formed to work with staff to understand existing practices and policies and to draft recommendations. The subcommittees included: energy, transportation, waste management and recycling, and workforce development. On September 2, 2020, the JET adopted the draft report from the subcommittees and recommended the Executive Committee members present them to their respective Boards.

Mission, Authority, Organization and Focus Areas

Mission

The mission of the Fairfax County Board of Supervisors/School Board Joint Environmental Taskforce (“JET”) is to join the political and administrative capabilities of the County and the school system to proactively and equitably address climate change and environmental sustainability. The JET will include community partners from higher education, industry, community and student advocacy groups to recommend aggressive goals in areas of common County and school operations and influence, such as workforce development, infrastructure and sustainability of public facilities and transportation, land use planning, communication and community engagement, and other challenges and opportunities as they arise. The JET will provide a forum for informing, advising, collaborating and addressing Countywide issues and aligning institutional policies and practices pertaining to climate change and environmental sustainability through the lens of One Fairfax and to appointing bodies.

Authority

Communication and Authority

The JET will communicate to the Board of Supervisors and School Board on a regular basis. Items identified by the JET, Superintendent or County Executive that require modifications to budget, policy, or capital improvement planning will be referred to respective Boards for consideration. In addition, the JET has a unique opportunity to get our environmental message out to the community. Joint efforts by the County and Schools amplify our messages and broaden our audience as we seek to engage, inform and change behaviors.

Organization

Facilities/Infrastructure

Many efforts are already underway to improve the environmental quality of our existing and new facilities and to reduce greenhouse gasses through passive and active designs, solar power, lighting, HVAC, etc. The JET will focus on identifying, co-locating and combining facilities and uses for accelerating these improvements, exploring new and innovative concepts, encouraging pilot initiatives to test these concepts, and educating/tasking building managers and leaders as to findings and implementing them in their own facilities. SMART goals for achieving net zero carbon emissions and energy or carbon emissions per industry appropriate measures will be recommended by the JET. SMART goals should include energy use per anticipated user, comparable best practices for similar facilities, LEED or like rating organization certifications and other third-party measures.

Land Use

In order to enhance and accelerate our collaboration resulting in more environmentally sustainable land use decisions, the JET will prioritize co-locating resources, usage densities, types and intensities of development, and green space planning and preservation. Plans will incorporate walking, biking and multi-modal trails, employing green energy opportunities and carbon capture. Comprehensive Plan decisions, which more effectively partner and plan for “smart growth” and align with nearby, right-sized public facilities, will be key JET goals essential for reducing misaligned facility needs and transportation costs. The JET will recommend measures for assessing improvements and best practices for land use.

Transportation

This element provides significant potential and opportunities for partnering on climate change mitigation. The JET will identify SMART goals consistent with our Board's environmental policies and leadership expectations by developing recommendations for decreasing per person carbon emissions per mile traveled.

Workforce Development

The JET will recommend County/school partnerships in collaboration with continuing education entities to create and enhance educational programming, internships, and co-op programs to support workforce development in green energy and environmental sustainability fields. Educational partnerships SMART goals will include career ready graduates and local talent retention.

Public Health

Impacts of climate change to public health will be considered in our joint roles of protecting and improving quality of life in our community. The JET will work to identify needs, seek and grow available public health resources, and advance use of modern health care technology.

Focus Areas

After outlining the organizational areas of the JET, four overarching focus areas were identified as priorities. The four overarching focus areas inherently encompass many of the organizational areas. The four main areas of focus were determined to be **energy, transportation, waste management and recycling, and workforce development.**

Executive Summary

The challenges of climate change are growing exponentially and we, as County leaders, need to set a clear and determined agenda to move as swiftly as possible to reduce our greenhouse gas emissions and mitigate the effects of climate change. Today, we not only hear the news and statistics about the environmental challenges across the globe, but we hear regularly from Fairfax County residents that they are concerned and want us to lead and be leaders.

The County and Schools have done much to advance environmental efforts, but in light of the urgency of the climate crisis, we must do more. The evidence is clear. We are experiencing more frequent and intense storms, sea level rise and extreme rain events, increasing temperatures with July 2020 being the hottest on record in the Northern Hemisphere and wildfires burning out of control.

Across the globe this past year we have seen unprecedented fires in Australia, the flooding of Venice due to sea level rise and extreme heat in Siberia. Here in Fairfax County we are prone to sea level rise along our east coast. The July 2019 rainfall and flooding event cost more than 14 million in recovery. We experienced 26 days over 90 degrees in July 2020. We also know that much like COVID-19, the effects of climate change will impact our low-income residents and communities most severely.

We must act now, and the Joint Environmental Task Force (JET) was established to do just that.

The following subcommittee sections detail the recommendations of the JET. Below is an executive summary of the JET recommendations for consideration by the Fairfax County Board of Supervisors and the Fairfax County Public Schools (FCPS) Board:

- **Energy:** The Fairfax County Board of Supervisors, the Fairfax County Park Authority, The Fairfax County Regional Housing Authority, and the Fairfax County School Board should commit to being energy carbon neutral by 2040.
- **Solid Waste and Recycling:** Fairfax County government and schools should set an aspirational goal to be at zero waste by 2030.
- **Workforce:** Fairfax County government and schools should provide additional resources for students and adult learners to know about and pursue “green” career paths.
- **Transportation:** Fairfax County Connector bus fleet should be transitioned to electric (or other non-carbon emitting) alternatives by 2030, and the FCPS fleet by 2035. All non-bus fleet vehicles that have electric alternatives should be transitioned by 2035.

Recognizing the importance of environmental justice, all County and school initiatives undertaken as a result of these recommendations shall be implemented through the One Fairfax Lens with a prioritization on equity.

Report of the Energy Subcommittee

Members of the Energy Subcommittee are Mount Vernon District Supervisor Dan Storck; Rich Aiken (Fairfax resident and climate expert), Smita Chandra Thomas (Fairfax resident and energy expert), and Wendy Gao (student). Others participating as presenters or advocates were Kambiz Agazi, Director of the Office of Environmental & Energy Coordination of Fairfax County, Justin Moss, Director of Facilities Management at Fairfax County Public Schools and John Lord, Coordinator III for Energy Management at Fairfax County Public Schools.

This report by the Energy Subcommittee of the JET summarizes the recommendations for a vision and goals for adoption by the Fairfax County Board of Supervisors and the Fairfax County School Board that are aspirational, achievable, and reflect the Boards' strong commitment to addressing the global climate crisis, placing it among the leaders in climate action and resilience planning nationwide. These recommendations are also aimed at reducing operational expenses for the County immediately and for the long-term. Any reference to "County" in this report means resources managed or owned by the Fairfax County Board of Supervisors, the Fairfax County Park Authority, the Fairfax County Regional Housing Authority, or the Fairfax County School Board unless otherwise stated.

To formulate the recommendations, the subcommittee met in person and virtually seven times between September 2019 and August 2020 at broader JET meetings that broke out into subcommittees and reported back to the JET. County staff presented the current state of the County energy use and emissions; following which the subcommittee and staff discussed appropriate goals for the future and a timeline to reduce energy use and related emissions and increase the use of clean renewable energy by the County.

The subcommittee took the approach of setting goals that were supported by sub-goals and strategies that the subcommittee believes are practically possible and achievable with sufficient political will, an innovative mindset towards financing options, and a continuation of the focus on results by County staff.

Recommendation #1:

As an overarching goal, the Fairfax County Board of Supervisors, the Fairfax County Park Authority, The Fairfax County Regional Housing Authority, and the Fairfax County School Board should commit to being energy carbon neutral by 2040.

Recommendation #2:

Subgoals must be adopted to achieve near-term impact and ensure the successful achievement of the 2040 energy carbon-neutral goal. The recommended subgoals are:

1. Carbon emissions: Achieve 50% emissions reductions by 2030, as compared to the 2019 baseline.
2. Clean renewable energy: Produce 25% of the County energy use from in-County renewable energy generation by 2030, and 50% by 2040, using 2019 energy use as the baseline.

3. Building Energy Performance Standards for existing buildings: Decrease total energy usage from all County facilities by 25% by 2030 and 50% by 2040, as compared to the 2019 baseline.
4. Net Zero Energy Commitment: All new County buildings and major renovation projects beginning planning and design in 2021 and after must achieve 'Net-Zero Energy' (NZE) performance as defined below, unless County staff advises the Board prior to the 30% design phase why a project cannot meet the NZE standard.

Net-Zero Energy (NZE) definition: A net-zero energy building is defined as one that is highly energy-efficient and produces onsite, or procures offsite as necessary, carbon-free renewable energy in an amount sufficient to offset the annual energy use associated with operations.

Recommended Initiatives to Achieve Goals:

1. Use of Energy Service Companies (ESCOs) and Energy Saving Performance Contracts (ESPCs) to renovate existing buildings on an accelerated schedule.
2. Assess feasibility of additional solar installations at sites like brownfields and parking lots.
3. As part of NZE projects, the project team should set the maximum energy use intensities (EUI in terms of kBtu/sf/year) for the facilities.

Recommended Coordination:

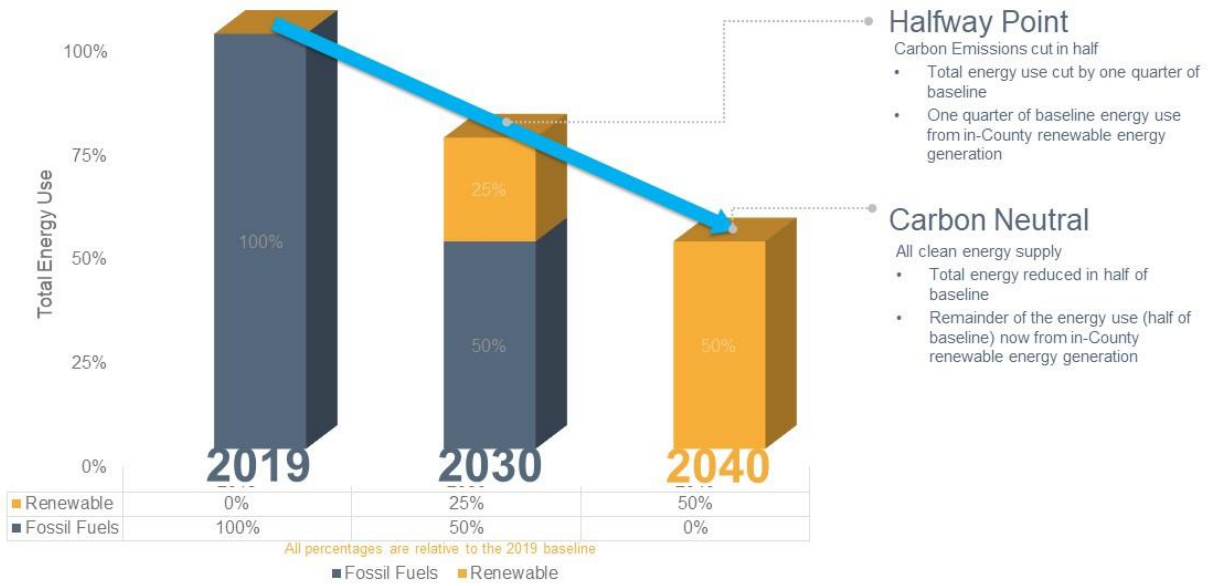
It is recommended that County staff among the respective organizations coordinate on the following:

- Develop baseline energy use and emissions data for the year 2019.
- Complete the inventory of all potential solar sites, potential for array size and order of magnitude energy potential for site.
- Identify potential sites for shared solar/geothermal installations.
- Undertake a strong awareness program about energy and emissions for the staff and general public.

Note: The subcommittee has additional information, if desired, about achieving net-zero energy performance and carbon-neutrality.

Fairfax County Energy Vision

Commitment to Carbon Neutral by 2040



Report of the Transportation Subcommittee

Members of the Transportation Committee are Karl Frisch, Fairfax County School Board; Karen Campblin, Richard Clayton, and Susan Stillman. Others participating as presenters or advocates were Julie Kimmel and Bobby Monacella, Mothers Out Front Fairfax; Kambiz Agazi, Director, Fairfax County Office of Environmental and Energy Coordination; Tom Biesiadny, Director, Fairfax County Department of Transportation; Francine Furby, Director of Transportation, Fairfax County Public Schools; and Marguerite Guarino, Deputy Director of Administration, Fairfax County Department Vehicle Services.

FCPS and County Bus and Vehicle Fleets

Fairfax County Public Schools and the Fairfax Connector system should transition to entirely electric bus fleets as rapidly as possible because traditional diesel buses are harmful to the environment and our public health. Diesel bus emissions release climate-changing carbon pollution into the atmosphere and cause respiratory diseases while also making existing problems like asthma even worse. Around the globe, electric buses are one of the fastest-growing portions of the electric vehicle market. By moving quickly toward electrification, the county and school system can “lead by example.”

Fairfax County Public Schools has a fleet of 1625 diesel buses, each with an average age of 18 years at the time of replacement. Currently, there are 520 buses within five years of the average replacement age. In addition to the bus fleet, the school division has 815 non-bus vehicles, including large service trucks. The average age for non-bus vehicle replacements is 12 years. Currently, there are 395 non-bus vehicles within five years of the average replacement age. None of the FCPS buses or other vehicles are hybrid or electric, though FCPS will receive eight electric buses this fall.

Fairfax Connector has a fleet of 350 diesel buses, each with an average age of 15 years at the time of replacement. Currently, there are 94 buses within three years of the average replacement age. In addition to the bus fleet, Fairfax County also has a very large number of fleet vehicles ranging from motorcycles to trash trucks. The only non-bus vehicles under consideration for electrification today are 4-seater passenger vehicles. The County owns 3 and plans to purchase a small number of 100% electric vehicles in the 2021 replacement cycle.

Recommendations:

- **Bus Fleet Replacement:** The Fairfax Connector diesel bus fleet will be transitioned to electric alternatives by 2030, and the FCPS fleet by 2035. Appropriate benchmarks will be determined to help measure progress toward achieving these goals.
- **Non-Bus Fleet Replacement:** Determine which vehicles have electric (or other non-carbon emitting) alternatives and transition them by 2035. Develop a plan for mitigating the carbon footprint of others. Appropriate benchmarks will be determined to help measure progress toward achieving these goals.
- **Charging Infrastructure:** Necessary charging infrastructure will be installed to scale as fleets grow. Wherever possible, charging infrastructure will serve FCPS and the County.

- **Take Advantage of Grants:** Apply for grant funding for electric buses and the affiliated charging infrastructure whenever possible.
- **Use 100% Clean Fuel:** Develop a plan to fuel these electric vehicles using non-carbon emitting fuels and carbon offsets with a complete transition to 100% clean fuel by 2030. Appropriate benchmarks will be determined to help measure progress toward achieving these goals.
- **Reserved Parking:** Reserved parking spaces will be marked at each school, admin, and county building for staff (and students as applicable) driving hybrid and electric vehicles.
- **Considering Transitional Costs:** When considering the cost of transitioning to electric alternatives, the social cost of carbon will be factored in with fuel, upkeep and other reduced costs to assess potential savings and determine breakeven points.
- **Coordination:** FCPS and the County should coordinate electrification efforts and share charging and maintenance infrastructure whenever possible. Each should develop legislative packages for the General Assembly to help achieve these recommendations.

Biking, Walking, and Running

Transportation is one of the largest contributors to greenhouse gas emissions in the United States. On-road vehicles such as cars, light trucks, buses, and freight contribute to 39% of greenhouse gas emissions in Fairfax County. Providing residents with safe, well-designed, and ADA compliant alternative transportation choices will help reduce greenhouse gas emissions, promote healthier living, and increase access to jobs, education, medical services, local businesses, and other quality of life amenities. Thoughtful investments in our local infrastructure will lead to a more connected and robust series of bike lanes, trails, walkways, pedestrian bridges, and sidewalks so that students have safe options for getting to school, workers have more options for getting to the office, and all residents can enjoy all that Fairfax County has to offer.

Supporting a comprehensive, countywide transportation system can prove to be an effective tool to not only combat climate change but to support health, equity, and economic sustainability for all Fairfax County residents. With a little strategic planning we can integrate travel via roadways with parks, trails, and continuous sidewalks as well as improve connections to transit stations by foot, bike, and bus.

Recommendations:

- **Improve Options for Safe Biking and Walking:** The forthcoming Active Fairfax Plan should prioritize increasing safe, well-designed, ADA compliant, and interconnected (including with mass transit) options for biking, walking, and running.
- **Develop a Safe, Continuous, and Interconnected System:** Enhance lighting, signage, and other safety features, i.e. lower speed limits where applicable. Work with VDOT to expand bike lane markings to interconnect trails and bus and metro stops with roads.
- **Increase Access to Grid-Improved Bike-Share Systems:** Review and mitigate legal and other constraints to promote access and use of bike-share systems, especially in underserved communities beyond the typical commercial hubs.
- **Encourage Use by Students, Workers, and Other Residents:** Expand and promote programs that incentivize biking and walking to school and work. Ensure adequate bike

racks at schools and transportation hubs. Hold county-wide events promoting trail systems, including bike rides, walks, etc.

- **Improve the User Experience:** Develop a plan for adding porta-potties or other restroom options; publicizing and marketing trail systems maps, to businesses, schools, and the general public; increasing tree canopy for better shade and shelter.
- **Coordination:** FCPS and the County should coordinate their efforts internally and with neighboring jurisdictions for a region-wide network. Each should develop legislative packages for the General Assembly to help achieve these recommendations. Additional funding sources such as Smartscale and Northern Virginia Transportation Authority should be used.

Note: The Transportation Committee has suggested sub tasks, summary information, contacts and additional detail for each recommendation.

Report of the Waste Management and Recycling Subcommittee

Members of the Solid Waste and Recycling Subcommittee are Mason District Supervisor Penny Gross; Meg Mall, executive director of Faith Alliance for Climate Solutions; Susan Stillman, and Wendy Gao (student). Others participating as presenters or advocates were Eric Forbes, Solid Waste Division Manager; Donna Volkmann, Educational Specialist, Get2Green; Ali Culhane, Coordinator, Get2Green, Elizabeth Ende, citizen; and Daphne Balotas, Jasmin Salous, and Jessica Butturff, Pre-K/Head teachers at Bailey's Elementary School.

The subcommittee met several times, in person and virtually, between February and August 2020, to formulate recommendations for the JET report to the Fairfax County Board of Supervisors and the Fairfax County School Board. We examined a number of approaches to reducing waste and increasing recycling, including a presentation by Pre-K/Head Start teachers at Bailey's Elementary School that focused on requirements that result in wasting resources, especially plastics mandated by federal regulations. Discussions with staff from the Solid Waste Division also were very helpful in determining current practices and industry operations.

The COVID-19 pandemic has changed some traditional approaches to Solid Waste and Recycling. With many offices closed, and people working from home, business trash has decreased significantly, but that decrease has been balanced with significant increases in residential trash and recycling. Fairfax County schools closed in mid-March 2020, and distance learning is planned for at least the first quarter in the Fall of 2020, so the normal waste cycles from schools (paper, cafeteria food waste) also changed. However, that situation is not expected to be long-term, so the recommendations listed below for schools are suggested for a time when teachers and students physically return to the classroom.

Recommendation #1:

Fairfax County government and schools should set an aspirational goal to be at zero waste by 2030.

Recommendation #2:

A plan for achieving zero waste by 2030 must be prepared by the end of the 2nd quarter of CY 2021 (by June 30, 2021). The plan would be prepared by staff, and should include staff ideas (possibly via a preliminary survey) about how to reduce the amount of waste in their offices/classrooms. Incentives should be considered for the best ideas.

Recommendation #3:

A trash and recycling audit should be planned and implemented to get a better idea as to what residents and businesses are throwing away and/or recycling. An audit would examine representative samples (e.g. 200 pounds) of trash and recycling with several staff dedicated to sorting and examining over a period of several days. In the time of COVID-19, a trash audit would require full masks, Tyvek suits, etc., so there may be some additional budgetary and social

distancing implications. A sample survey done by Solid Waste staff pre-COVID revealed that about a third of what is discarded could be recycled or reused.

Recommendation #4:

County government and schools should undertake a review of purchasing: what is being ordered and what is being used, especially paper supplies and other items that could be recycled, and develop a sustainable purchasing program, to include recycled content paper and plastics, elimination of single use plastics, etc. Of particular concern now is the number of expensive devices (laptops, cell phones, and other electronic peripherals) that are needed for teleworking, and how these items are handled when broken or obsolete. Although many devices still have value in the current market after the hard drive is wiped, E-waste must be considered and addressed.

Recommendation #5:

Composting is a simple, effective, and environmentally friendly activity that should be a significant part of any zero-waste plan. County government and schools should encourage expanded composting in both public and private venues, and should undertake a strong education program, in multiple languages, about waste and recycling for the general public.

Recommendation #6:

These recommendations focus on schools and, most likely, would need to be delayed until schools re-open to in-person classes:

- Find an advocate for recycling/reduction in each school
- Expand and continue school partnerships with the Green Flag Program of the National Wildlife Federation
- Seek business sponsorships
- Find a model for sharing school supplies

Note: The subcommittee has additional information, if desired, about trash and recycling audit operations as well as Pre-K/Head Start requirements.

Report of the Workforce Development Subcommittee

Members of the Workforce Development Committee are Elaine Tholen, Fairfax County School Board; Greg Ulses, Citizen; Ire Kim, Student. Others participating as presenters or advocates were Rachael Domer, FCPS Career and Technical Education; C. Flint Webb, Leidos, Inc.

The Workforce Development working group investigated career opportunities in the Fairfax County geographic area around renewable energy, energy conservation, green building, resource and wildlife management, stormwater management, wastewater management, sustainable landscaping and more. The subcommittee recognizes and addresses the need for additional resources for FCPS and Fairfax County adult learners to know about and to understand how to pursue “green” career paths.

In reaching out to Fairfax County for possible collaborations, discussions with the Fairfax County Park Authority, the Department of Vehicle Services and the Department of Public Works and Environmental Services resulted in several immediate ways to collaborate and many ideas for longer term joint work.

Four recommendations are proposed below. There are components of each goal that can be initiated immediately and some that will be easier to implement and work toward once COVID-19 is behind us and students are again meeting in-person in our school buildings.

Recommendation #1:

Equip FCPS guidance counselors and career center staff with a standardized tool kit for talking with students about the range of green careers and the background necessary to enter those careers. Ensure the presence of green career professionals in career days and student interview days.

Recommendation #2:

Work with local solar installers to investigate job opportunities for new high school graduates, those with a 2-year degree, and those graduating from Fairfax County job programs. Determine what training is needed for job entry and how jobs can be advertised to the potential employees.

Recommendation #3:

Develop a comprehensive plan to offer one or more green career/economy-related programs for high school students to encourage participation in this emerging job market. Opportunities could include specialized training or certificate programs, job shadowing, internships, and real-world workforce experience in fields such as electric vehicle maintenance, solar panel installation, LEED Green Associate Certification, sustainable landscaping, and more. This could be done as a module to an existing course, an afterschool program, curriculum substituted as appropriate in an existing course or program, a new course, etc.

Sample Certification List:

1. OSHA 10 https://www.oshaeducationcenter.com/osha-10-hour-training/?lgr=1ab49e8b-da37-4ec2-9c3f-489f4b168bd0&cmpcode=search&targetid=kwd-308216870556&gclid=EAIaIQobChMIiqTx3eXZ6wIVIOeGCh3TTAkBEAAYAiAAEgIPE_D_BwE
2. HAZWOPER--40 hour certif course for chemical sampling training, MSDS (Material Safety Data Sheets)
(https://www.osha.com/courses/hazwoper.html?gclid=EAIaIQobChMI1fD7sv-E6wIV7vzjBx2wqAw3EAAYASAAEgKrnPD_BwE)
3. National Green Infrastructure Certification Program <https://ngicp.org/>
4. Chesapeake Bay Landscaping Professional <https://cblpro.org>
5. LEED Green Associate <https://www.usgbc.org/credentials/leed-green-associate>
6. National American Board of Certified Energy Practitioners (NABCEP)
<https://www.nabcep.org/certifications/associate-program/>

Recommendation #4:

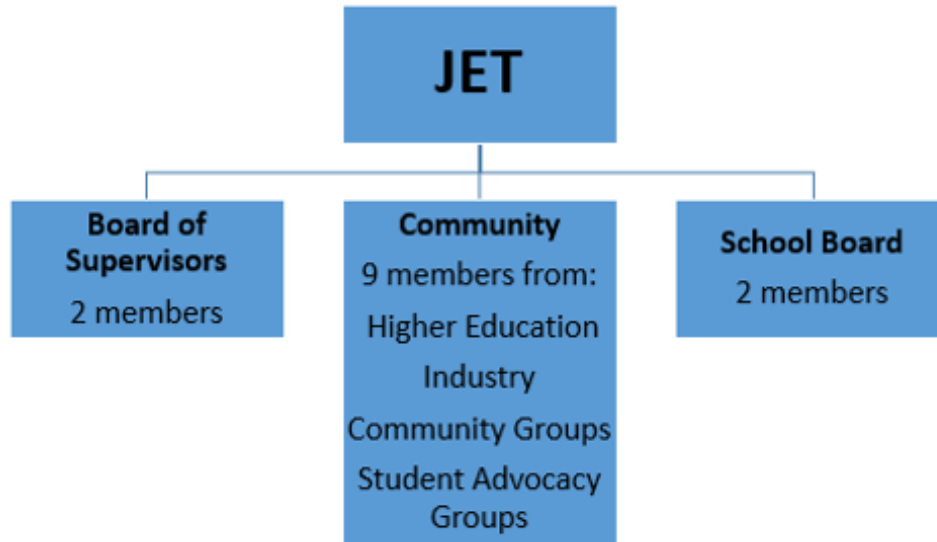
Develop a plan to utilize our county buildings as learning tools as we install solar panels and begin to utilize Net Zero building practices and continue our use of sustainable building and architecture. Ensure building occupants have the opportunities to learn about all of the building's sustainable features through educational tools such as signage, dashboards, and interactive models.

Timely Sub Tasks:

1. Utilize the next new school as a laboratory to explore these practices as the building is designed, built and utilized. (Silver Line, 2022-2026)
2. Utilize Cooper Middle School and Frost Middle School renovations as a pilot as the renovations are done (2020-2024).
3. CHPS verify upcoming new construction projects in FCPS starting with those in planning in 2021.

Note: The Workforce Development Committee has suggested sub tasks, summary information, contacts and additional detail for each recommendation.

JET Membership



Executive Committee

Supervisor Dan Storck
 Supervisor Penny Gross
 School Board Chair Karen Corbett Sanders
(April 2019 – August 2019)
 School Board Member Pat Hynes
(April 2019 – December 2019)
 School Board Member Dalia Palchik
(August 2019 – December 2019)
 School Board Member Elaine Tholen
(January 2020 – present)
 School Board Member Karl Frisch
(January 2020 – present)

Taskforce Members

Richard Aiken
 Karen Campblin
 Richard Clayton
 Meg Mall
 Susan Stillman

 Smita Chandra Thomas
 Greg Ulses

Taskforce Student Members

Wendy Gao
 Ire Kim

Subcommittee Membership

Energy
 Waste Management & Recycling

 Workforce Development

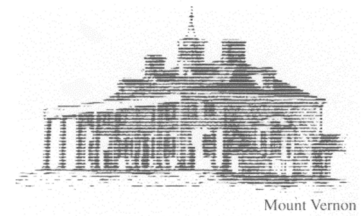
 Transportation

 Energy
 Transportation
 Transportation
 Waste Management & Recycling
 Transportation, Waste Management & Recycling
 Energy
 Workforce Development

 Energy, Waste Management & Recycling
 Workforce Development



Dan Storck
Mount Vernon District Supervisor
Fairfax County Board of Supervisors
2511 Parkers Lane
Mount Vernon, VA 22306



Telephone: (703) 780-7518 E-mail: mtvernon@fairfaxcounty.gov

Recognize October as Pedestrian Safety Month

October 20, 2020

The National Highway Safety Traffic Administration (NHSTA) has launched the first National Pedestrian Safety Month with the goal of increasing awareness about pedestrian safety and reminding pedestrians and drivers that staying safe is a shared responsibility.

Nationally, there was a 3% increase in pedestrian fatalities between 2017 and 2018, totaling 6,283 deaths in 2018. This is the highest number of pedestrian deaths since 1990. In Fairfax County, there have been 12 pedestrian fatalities in 2020; 4 of those deaths have been in the Mount Vernon District, along the Richmond Highway Corridor.

We need to continue our efforts to decrease the number of pedestrian fatalities and increase awareness among pedestrians and drivers. Additionally, we need to be mindful of pedestrians as we develop plans for road improvements such as the Richmond Highway Widening and the BRT project.

According to the NHSTA, as the seasons change and the nights become longer, the risk pedestrians encounter increases significantly. Between September and February, over 30% of pedestrian fatalities occur between 6:00 pm and 8:59 pm.

The NHSTA suggested safety tips for pedestrians are to walk on sidewalks or face traffic; stay alert; use crosswalks; and be visible by wearing bright or reflective clothing. Safety tips for drivers include to always watch for pedestrians; slow down when approaching crosswalks; and follow the speed limit, especially in neighborhoods and school zones.

Proposed Action

Therefore, Mr. Chairman, without objection, I ask that we recognize October as National Pedestrian Safety Month in Fairfax County and support the NHSTA initiative. I also ask that the Office of Public Affairs publicize information in recognition of this month and help communicate these safety tips for drivers and pedestrians.



Dan Storck

*Mount Vernon District Supervisor
Fairfax County Board of Supervisors
2511 Parkers Lane
Mount Vernon, VA 22306*



Telephone: (703) 780-7518 E-mail: mtvernon@fairfaxcounty.gov

Joint Board Matter with Supervisor Dan Storck and Chairman Jeff McKay - Semiquincentennial Anniversary of the American Revolution, the Revolutionary War, and the Independence of the United States of America

October 20, 2020

During the 2020 Session, the Virginia General Assembly passed, and the Governor signed, legislation to establish the American Revolution 250th Commission within the executive branch of state government. The purpose of the Commission is to commemorate the 250th anniversary of the American Revolution, the Revolutionary War, and the Independence of the United States. On October 9, 2020, Governor Northam released the names of the appointees for Virginia's American Revolution 250th Commission. The legislation also mandated that George Mason's Gunston Hall would appoint and establish an Advisory Council composed of non-legislative citizen members.

The 250th anniversary is a celebration not only of how our country began, but the journey our country has been making over the last 250 years. We believe this should not only be a celebration of our history, but a celebration of our movement toward greater justice and equity, and the journey to fulfill the promise of the Declaration of Independence that all people "are created equal and are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness". A time to commemorate what defines us as a nation and the values that we hold most dearly. We have come far, but we have more work to do to ensure these values for all Americans.

Fairfax County should be a leader in creating and hosting appropriate events and celebrations, as well as supporting the Commonwealth's efforts to commemorate this 250th or Semiquincentennial anniversary celebration. In Virginia, particularly Fairfax County, has unique attributes to lead this celebration on a national level. From our founding fathers and Revolutionary

history, through the decades of struggle for human, civil, educational and environmental rights, our museums honoring those struggles through our present day commitments to One Fairfax and helping each resident and community reach their full potential..

Proposed Action

Therefore, I move that the Board of Supervisors:

- Appoint a seven person Semiquincentennial workgroup led by Gunston Hall including representatives from Visit Fairfax, Mount Vernon Estate, National Museum of the US Army, George Mason University, Fairfax County History Commission, Fairfax County Human Rights Committee, along with associated County history, equity and human rights staff members; and
- Charge the work group with providing recommendations by July 2021 to this Board of the preferred approach for organizing and leading county-related efforts for the inclusive observance and celebration. Recommendations to include high level SMART goals related to planning, promotion, types of civic, cultural, historical and educational activities, ways, means, timetables, approaches and accountability.

Attachment

2020 Legislation

Governor Northam's Press Release

Letter of Support from Gunston Hall

Letter of Support from Visit Fairfax

VIRGINIA ACTS OF ASSEMBLY — CHAPTER

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An Act to amend the Code of Virginia by adding in Chapter 25 of Title 2.2 an article numbered 11, consisting of sections numbered 2.2-2544 through 2.2-2550, relating to the American Revolution 250 Commission; report.

[H 1424]

Approved

Be it enacted by the General Assembly of Virginia:
1. That the Code of Virginia is amended by adding in Chapter 25 of Title 2.2 an article numbered 11, consisting of sections numbered 2.2-2544 through 2.2-2550, as follows:

Article 11.

American Revolution 250 Commission.

§ 2.2-2544. American Revolution 250 Commission; purpose.

The American Revolution 250 Commission (the Commission) is established as an advisory commission within the executive branch of state government.

The purpose of the Commission is to commemorate the 250th anniversary of the American Revolution, the Revolutionary War, and the independence of the United States.

§ 2.2-2545. Membership; terms; quorum; meetings.

A. The Commission shall have a total membership of 22 members that shall consist of 17 nonlegislative citizen members and five ex officio members. Members shall be appointed as follows:

1. One representative from each of the lead commemoration partners: the Jamestown-Yorktown Foundation, the primary state agency and fiscal agent; the Virginia Museum of History & Culture, the primary nonstate agency; and Gunston Hall, the primary representative of Virginia's historic homes and related sites;

2. One representative from the American Battlefield Trust, the secretariat of the United States Semiquincentennial Commission, and one representative from the Virginia Bar Association;

5. Six members appointed by the Governor from a list of 10 provided by the Jamestown-Yorktown Foundation; and

6. Six members appointed by the Governor from a list of 10 provided by the Virginia Museum of History & Culture.

The Secretary of Education, the Librarian of Virginia, the Director of the Department of Historic Resources, the Executive Director of Virginia Humanities, and the Chief Executive Officer of the Virginia Tourism Authority, or their designees, shall serve as ex officio members with voting privileges. Nonlegislative citizen members of the Commission shall be citizens of the Commonwealth.

B. The Commission shall elect a chairman and vice chairman from among its membership.

C. Nonlegislative citizen members shall be appointed for the duration of the Commission's activities. Appointments to fill vacancies shall be for the unexpired terms. Vacancies shall be filled in the same manner as the original appointments.

§ 2.2-2546. Quorum; meetings.

A majority of the members shall constitute a quorum. The meetings of the Commission will be held at the call of the chair or whenever a majority of the members so request.

§ 2.2-2547. Compensation; expenses.

Nonlegislative citizen members of the Commission shall not receive compensation or reimbursement for travel and other expenses incurred in the performance of their duties.

§ 2.2-2548. Powers and duties of the Commission.

The Commission shall have the power and duty to:

1. Formulate and implement a program for the inclusive observance of the 250th anniversary of the independence of the United States and the Revolutionary War in Virginia, including (i) civic, cultural, and historical education and scholarship concerning the ideals of the American Revolution and their contemporary relevance; (ii) visitation of museums and historic sites, including battlefields; (iii) creation and publication of historical documents and studies; (iv) cooperation with agencies responsible for the preservation or restoration of historic sites, buildings, art, and artifacts; (v) establishment of exhibitions and interpretive and wayfinding signage; (vi) arrangement of appropriate public ceremonies; (vii) a comprehensive marketing and tourism campaign encompassing calendar year 2025 through calendar year 2026; and (viii) the general dissemination of public information regarding Virginia's involvement in the American Revolution and its legacy today;

2. Submit to the Governor and the General Assembly an annual executive summary of the interim

57 activity and work of the Commission no later than the first day of each regular session of the General
58 Assembly;

59 3. Solicit, accept, use, and dispose of funds appropriated by the General Assembly and any gifts,
60 grants, donations, bequests, or other funds received by the Commission for the purpose of aiding or
61 facilitating its work;

62 4. Appoint and establish an advisory council, to be led by the Commission member representing
63 Gunston Hall, composed of nonlegislative citizen members at large who have a knowledge of relevant
64 history or expertise in areas useful to the work of the Commission, including a representative of the
65 Sons of the Revolution in the Commonwealth of Virginia, a representative of the Virginia Daughters of
66 the American Revolution, and a representative of the National Washington-Rochambeau Revolutionary
67 Route Association. The advisory council shall make recommendations and provide comment as requested
68 by the Commission. The Commission may from time to time appoint, add, or remove members of the
69 advisory council. Members of the advisory council shall serve without compensation or reimbursement;

70 5. Appoint and establish an executive committee composed of members of the Commission, to include
71 the Commission's chair and vice-chair and one representative designated by each of the following: the
72 Jamestown-Yorktown Foundation, the Virginia Museum of History & Culture, and Gunston Hall; and

73 6. Perform such other duties, functions, and activities as may be necessary to facilitate and
74 implement the objectives of the Commission.

75 **§ 2.2-2549. Cooperation of agencies of state and local government.**

76 The Jamestown-Yorktown Foundation will be the primary state agency and fiscal agent for the
77 commemoration of the 250th anniversary of the American Revolution. All agencies of the Commonwealth
78 and local governments are authorized, consistent with their missions, to provide assistance and advice to
79 the Jamestown-Yorktown Foundation, or directly to the Commission, in fulfilling all things necessary
80 and proper to plan for and implement the commemoration. The various agencies and institutions of the
81 Commonwealth, upon request of the Commission and approval of the respective agency head, shall
82 designate a liaison to coordinate assistance and services to the Commission from their agencies and
83 institutions.

84 **§ 2.2-2550. Sunset.**

85 *This article shall expire on July 1, 2027.*

86 **2. That during the first year of its existence the American Revolution 250 Commission (the**
87 **Commission) created pursuant to this act shall be limited to two meetings, which shall be**
88 **convened by the Secretary of Education, for the purpose of developing a work plan for the**
89 **Commission. Such work plan shall include information related to staffing and proposed internal**
90 **organizational structure and funding needs. The Secretary shall submit a report on his findings**
91 **regarding the work plan, including any recommendations, to the Governor and the General**
92 **Assembly by November 30, 2020.**

93 **3. That the membership of the American Revolution 250 Commission created pursuant to this act**
94 **shall be increased by the addition of legislative members in such number and of such composition**
95 **as determined by a bill passed by the 2021 Regular Session of the General Assembly that becomes**
96 **law.**

Governor Northam Announces Administration Appointments

RICHMOND—Governor Ralph Northam announced additional appointments to his Administration today.

Secretariat of the Commonwealth Board Appointments

American Revolution 250 Commission

- **Chief Stephen Adkins** of Charles City, Chief, Chickahominy Indian Tribe
- **Edward H. Baine** of Chesterfield, Senior Vice President–Power Delivery, Dominion Energy
- **Leslie Greene Bowman** of Charlottesville, President, Thomas Jefferson Foundation at Monticello
- **Gretchen Bulova** of Fairfax County, Director, Office of Historic Alexandria, City of Alexandria
- **Spencer R. Crew** of Reston, Historian, Acting Director, National Museum of African American History and Culture, Smithsonian Institution
- **H. Benson Dendy III** of Richmond, Chairman Emeritus, Jamestown-Yorktown Foundation
- **Cliff Fleet** of Williamsburg, President and CEO, Colonial Williamsburg Foundation
- **Sue H. Gerdelman** of Williamsburg, Trustee, Jamestown-Yorktown Foundation and Board of Visitors, William & Mary
- **Kym A. Hall** of Williamsburg, Superintendent, Colonial National Historical Park and Captain John Smith Chesapeake National Historic Trail
- **Chief Anne Richardson** of Indian Neck, Chief, Rappahannock Tribe
- **Jacquelyn E. Stone** of Richmond, Partner, McGuireWoods LLP
- **Karin Wulf** of Williamsburg, Executive Director and Professor, Omohundro Institute of Early American History and Culture, William & Mary

HOME OF *American Rights*

October 19, 2020

To the Fairfax County Board of Supervisors:

Greetings from Gunston Hall and I am very pleased and honored to express our enthusiastic support of the Board matter offered by Supervisor Storck specific to the Semiquincentennial Anniversary of the American Revolution, the Revolutionary War, and the Independence of the United States of America.

Earlier this year, the Virginia General Assembly approved and the Governor signed legislation establishing the American Revolution 250 Commission. This Commission will lead, plan, and implement activities and experiences commemorating the 250th anniversary of the independence of the United States. These efforts will reach every corner of the Commonwealth and also be aligned with similar programs in other States and that which is being enacted by a Federal Commission established for the same purpose.

Importantly, while Virginia and Virginians were central to the revolutionary movement in 1776, Fairfax County and citizens of Fairfax County led the way and were foundational to declaring and securing our independence. For example, George Washington and George Mason co-authored the 1774 Fairfax Resolves and in doing so they were the first to call for independence. Additionally, after election to the Fifth Virginia Convention meeting in Williamsburg in the spring of 1776, George Mason wrote Virginia's first Constitution and the Virginia Declaration of Rights. Stating in Article 1 that "all men are by nature equally free and independent", Mason's Virginia Declaration of Rights inspired and informed our Declaration of Independence and our Bill of Rights.

Equally important, after independence was successfully achieved, the County and its citizens led, inspired, and took action in support of the fulfillment of the promises first expressed by Mason in 1776. This continuing journey and arc of freedom and justice is ultimately what is most important about the commemoration in 2026.

As such, Fairfax County should and can lead the way in supporting the 2026 commemoration! The proposed Board matter creates a strategic and proactive path for doing so. This Board matter also positions Fairfax County as the first local governmental entity in the Commonwealth to make such a commitment to this commemoration and all at Gunston Hall are honored to support and participate in this important work.

Finally, as George Mason and his contemporaries would have said in 1776.....HUZZAH!

Sincerely,


Scott Muir Stroh III
Executive Director



October 19, 2020

Supervisor Dan Storck
Mount Vernon District Supervisor
Fairfax County Board of Supervisors
2511 Parkers Lane
Mount Vernon, VA 22306

Dear Supervisor Storck:

Re: Semiquincentennial Anniversary of the American Revolution, the Revolutionary War and The Independence of the United States of America.

It is an absolute honor and privilege to write this letter of support on behalf of Visit Fairfax and indeed the entire Tourism and Travel Industry of Fairfax to establish a workgroup to provide a comprehensive and commemorative program to observe and celebrate this historical and significant anniversary of our great Country.

There are few places in our Country where this milestone has such significance and indeed Fairfax County and the Commonwealth of Virginia are among the top of that list. The history of our great Country is woven by and with so many significant people and events that helped to shape this Country, of which so many called Virginia and Fairfax County home.

Supervisor Storck, this opportunity to celebrate and commemorate the journey our Country has taken and continues to forge in the fulfilment of the Declaration of Independence and what began close to 250 years ago mandates significant attention in order to mark this milestone in our history and Visit Fairfax stands ready to be a part of this.

Supervisor Storck, we look forward to working with the many organizations and people over the next several years to put in place a program which will indeed signify the pride we have in our great County, our Commonwealth and indeed these United States of America.

Respectfully,

Barry H Biggar
President/CEO



County of Fairfax, Virginia

Supervisor Pat Herryty
Jointly with Supervisor Penny Gross and Supervisor Dan Storck
Board Matter
October 20, 2020
Fairfax County Recycles Day

Background: America Recycles Day takes place each year in November and is the only nationally recognized day dedicated to promoting and celebrating recycling in the United States. Nationally, thousands of organizations, including our neighboring jurisdictions, hold events to educate people about recycling resources in their community. This year the events will be socially distanced, but still encouraging citizens to increase their recycling at home, at school, in the office and in the community. Fairfax County's Employees for Environmental Excellence (FEEE) and the Solid Waste Management Program's (SWMP) Outreach and Education Team are partnering to provide a webinar for employees and residents interested in uncovering the mysteries of how recycling really works. This will be a great opportunity to learn more about the recycling process and opportunities for recycling in Fairfax County. The webinar will be on Monday, November 16th from 12 -1:30pm and will be open to all residents and County employees. All county employees and residents who attend the webinar will be entered into a drawing to win can win reusable items such as canvas bags, coffee mugs, and straws. More information is provided in the flier attached. In addition to the webinar, there will be two ribbon cuttings for the kick-off of the food scrap drop off program on Monday, November 16th at the I-66 transfer station and on Wednesday, November 18th at the I-95 transfer station. By declaring a "Fairfax County Recycles Day," we can further highlight the benefits of recycling and improve recycling behaviors of our citizens.

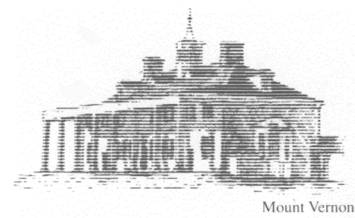
Motion: Therefore Mr. Chairman, I move that we declare November 15th, Fairfax County Recycles Day, in alignment with the national initiative to better promote our local efforts to recycle and ask OPA to publicize. Furthermore, I move that we prepare a proclamation to be presented to the Director of the Solid Waste Division and members of the recycling team on Monday, November 16th at the ribbon cutting for the new food scrap drop off program at the I-66 transfer station.

SUPERVISOR PAT HERRYTY
SPRINGFIELD DISTRICT
FAIRFAX COUNTY BOARD OF SUPERVISORS
6140 Rolling Road
Springfield, VA 22152
703-451-8873 TTY 711 Fax 703-451-3047
Springfield@fairfaxcounty.gov



Dan Storck

*Mount Vernon District Supervisor
Fairfax County Board of Supervisors
2511 Parkers Lane
Mount Vernon, VA 22306*



Telephone: (703) 780-7518 E-mail: mtvernon@fairfaxcounty.gov

Joint Board Matter with Supervisor Dan Storck and Chairman Jeff McKay - Request for Analysis of River Farm Historic Overlay District

October 20, 2020

River Farm, located on 27.57 acres at 7931 East Boulevard Drive in Mount Vernon, VA, is considered a local institution in the Mount Vernon District that is full of history, heritage, and natural beauty. First built in 1757 and named “Clifton’s Neck”, then acquired in 1760 by George Washington as the northernmost farm of the five farms his family owned, it has gone through many different owners and many different names throughout its history. Of note, in 1971, the owner Mr. Matheson decided to sell his home, and the Soviet Embassy offered to buy the property for use as a retreat for its staff. In the Cold War, many across the world objected to the thought of George Washington’s farm becoming the possession of the Soviet Union. As a result, Congress and the State Department asked Mr. Matheson to withdraw the property from the market.

Among those concerned by the potential sale was Enid Annenberg Haupt, philanthropist, gardener, and on the Board of Directors of the American Horticultural Society (AHS). Through her exceeding generosity, the Society was able to purchase the 27 acres agreeing to keep the property open to the public. In honor of George Washington, one of our nation’s first great gardeners and horticulturists, the property was again named River Farm. In 1973, AHS moved its headquarters from the City of Alexandria to River Farm. First Lady Pat Nixon joined Mrs. Haupt at the dedication of the property and together planted a ceremonial dogwood tree in the garden.

AHS has long sought to make River Farm a living representation of its principles and organizational vision of raising awareness about and fostering sustainable, earth-friendly gardening and horticultural practices. Thus, we were greatly shocked and saddened by the news on September 4, 2020 that the AHS Board of Directors intended to sell the River Farm property.

I have been coordinating and leading our local efforts among federal, state and local elected officials and our federal, regional and county park leaders from the moment the AHS Board shocked us all with their decision. The attached letter expresses our desire to partner with the AHS Board, for them to slow down this process and give us time to come up with solutions that allow River Farm to remain publicly accessible and not be sold to a private developer.

We believe we have a once in a lifetime opportunity to preserve a piece of our nation and county history, but first we must collect all the information needed about the preservation process, timeline, and legal implications to ensure sound long-term decisions.

THEREFORE, we request that the Board of Supervisors direct the Department of Planning & Development Heritage Resources Staff to analyze and gather information to create an expedited Historic Overlay District for River Farm. We further direct Heritage Resources staff to assemble and provide all this information and deliver it no later than 3 weeks from today's date. County staff has advised us that they have already started this process and the deadline is feasible.

Att: Letter from Supervisor Storck to AHS Board of Directors

Pictures of River Farm and the Potomac River



Letter to AHS Board
from Local Leaders.pc

