Grape Vine Substation Fluvanna County – Special Use Permit Board of Supervisors Meeting March 16th, 2022







Project Team







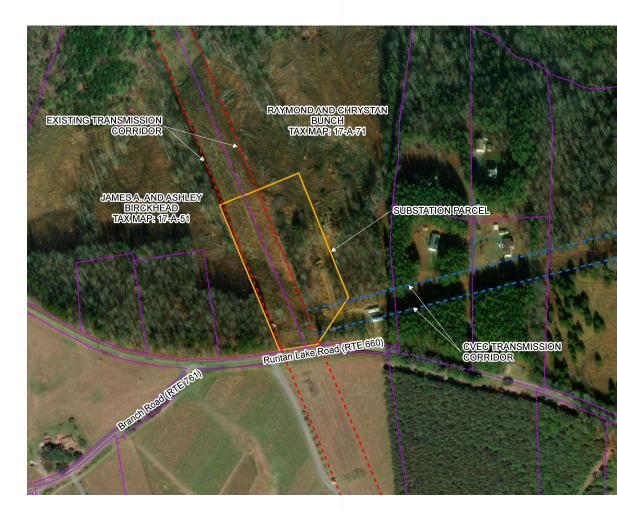
Heather Buck, P.E. Dominion Energy Project Manager

Jesse DeAlto Dominion Energy Siting & Permitting Specialist Ben Jackson, P.E. Kimley-Horn and Associates Civil Engineering Consultant



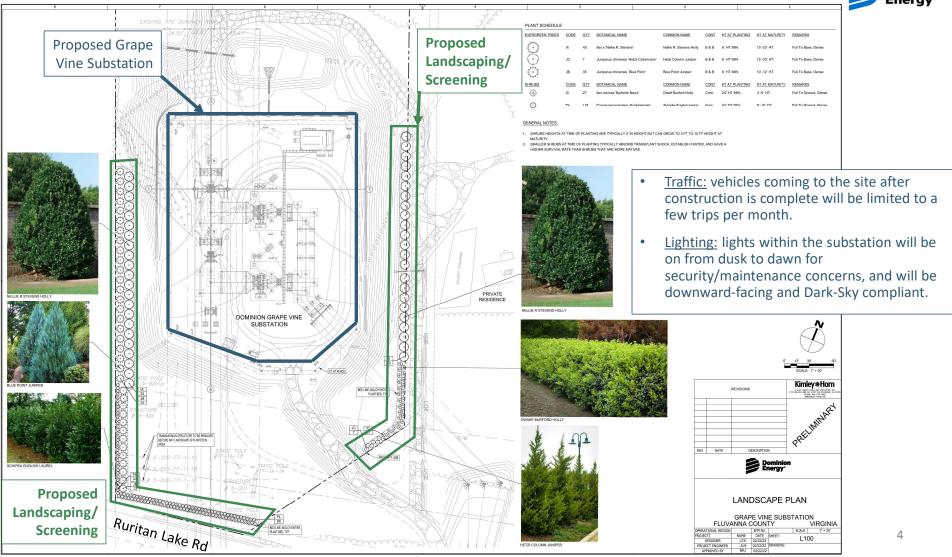
Project Need

- The Central Virginia Electric Cooperative (CVEC) receives power from 12.6 miles of 115 kV line that is at its end of life.
- A new switching station/substation is needed in order to retire the 115kV line and supply power to CVEC.
- The proposed substation location is along the existing Dominion Energy transmission line easement – a previously cleared area.
- The construction of the substation will not require outages or power disruption to CVEC customers.



Concept Site/Landscape Plan







SIMULATION 1 1/21/22 • 1:34pm

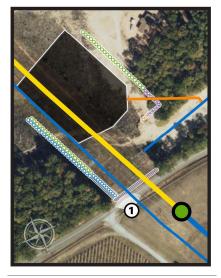


Photo simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.







SIMULATION 1 1/21/22 • 1:34pm

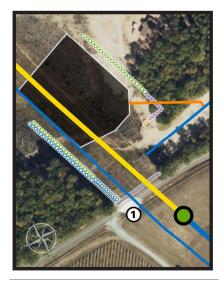


Photo simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.







SIMULATION 2 1/21/22 • 1:36pm

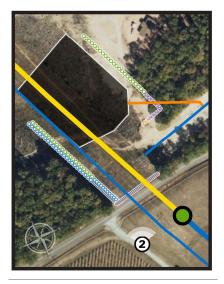


Photo simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.







7



SIMULATION 2 1/21/22 • 1:36pm

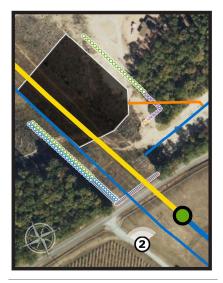


Photo simulations are for discussion purposes only. Final design is subject to change pending public, engineering, and regulatory review.









Project Specifications

- 230kV/115kV Switching Station will be installed on an approximately 225' x 300' gravel pad.
- The substation will include security fence (12'), overhead transmission lines, and various electrical equipment (max of 75' height).
- Construction is anticipated to begin in Summer 2022 with a duration of ~12 months.
- Total disturbance will be approximately 5 Acres.
- All permits and approvals will be obtained before construction begins. These include, but are not limited to, Fluvanna County Special Use Permit, Fluvanna County site plan approval, DEQ stormwater permit, and US Army Corps of Engineers permit.

Representative photo of proposed security fence



Contact Us

Website: DominionEnergy.com Phone: 888-291-0190 Email: Kristi.m.moore@dominionenergy.com



SUP 21:07 Dominion Energy Special Use Permit Request March 16, 2022 **Board of Supervisors DOUGLAS MILES, AICP, CZA** COMMUNITY DEVELOPMENT DIRECTOR

Fluvanna County Planning & Zoning Department

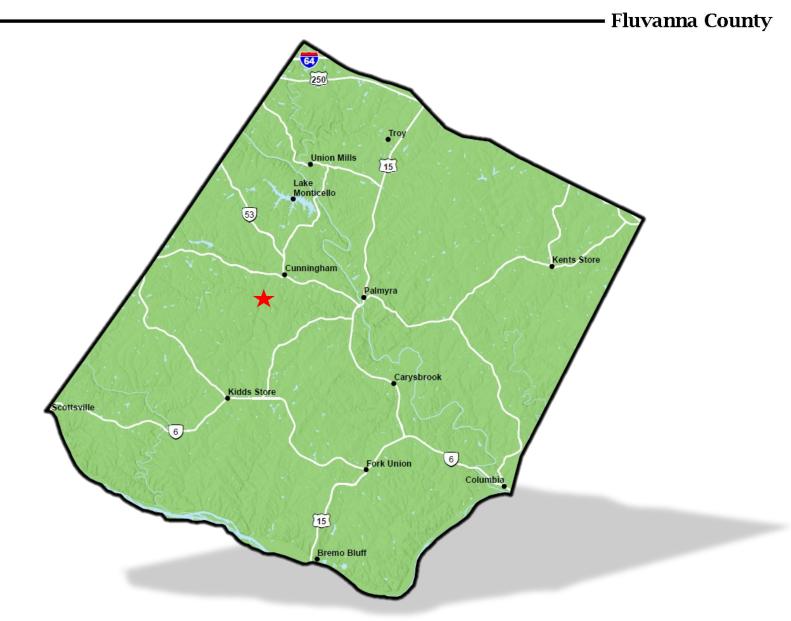


"Responsive & Responsible Government"

Dominion Energy, applicant has worked with the adjacent property owners to the south, along with the Cunningham District Board member, to revise the proposed screening requirements for the electrical substation.

Kimley-Horn Engineering has submitted their new Landscape Plan, dated February 22, 2022 for Board consideration for screening to be approved along with this SUP case request.

Site Location – Ruritan Lake / Branch Rds



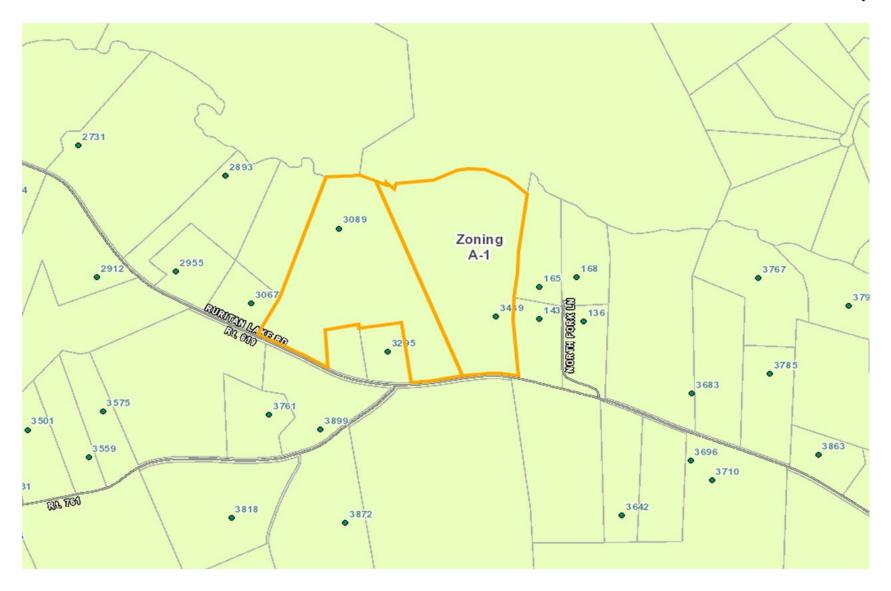
SUP 21:07 Dominion Energy Parcels

- Fluvanna County



SUP 21:07 Dominion Energy A-1 Zoning

Fluvanna County



The Dominion Energy Concept Site Plan, dated November 30, 2021, as prepared by Kimley-Horn shall be the subject property area for the Special Use permit request, along with the Landscape Plan dated February 22, 2022, as prepared by Kimley-Horn for site screening purposes.

Prior to development of the site, a site development plan that meets the requirements of the Fluvanna County Zoning Ordinance shall be submitted for administrative approval.

The Site shall be screened from view in substantial accordance with the Landscape Plan, dated February 22, 2022 as prepared by Kimley-Horn along with the requirements of Section 22-24-7 of the Fluvanna County Zoning Ordinance.

Any lighting shall not be directed toward the adjacent properties and it shall comply with Article 25 Outdoor Lighting Control of the Fluvanna County Zoning Ordinance.

SUP 21:07 Recommended Condition 5

Fluvanna County

Any noise shall comply with Chapter 15.1 of the Fluvanna County, Virginia Code.

The site shall be maintained in a neat and orderly manner so that the visual appearance from the public right-of-way and adjacent properties as acceptable to County officials.

SUP 21:07 Recommended Condition 7

Fluvanna County

The Board of Supervisors, or its representative, reserves the right to inspect the property for compliance with these conditions at any time.

Under Section 22-17-4 F (2) of Fluvanna County Code, the Board of Supervisors has authority to revoke a Special Use permit if the property owner has substantially breached the conditions of the Special Use permit.

Board Member Questions

I move that the Board of Supervsiors (Approve / deny / defer) SUP 21:07, a request to construct a major utility (electrical substation) on Tax Map 17, Section A Parcel 71 and Tax Map 17 Section A Parcel 51, subject to the eight (8) conditions as listed in the revised Staff **Report, with Condition 1 and Condition 3** being revised to include the new Landscape Plan, dated February 22, 2022.





PUBLIC HEARING FOR THE FY22 AMERICAN RESCUE PLAN ACT (ARPA) FUNDS

Eric Dahl, County Administrator March 16, 2022

A great place to live, learn, work, and play!

The American Response Plan Act of 2021

- Fluvanna Allocation: \$5,296,878
- Payments to local governments will be made in two tranches first half 60 days after enactment, second half one year later.
 - The County received the first tranche of funds on June 10, 2021 in the amount of \$2,648,439.00
 - The second amount of \$2,649,439 should be received around June 2022.

• Restrictions on eligible uses:

- Funds cannot be used to directly or indirectly offset tax reductions or delay a tax/tax increase; funds cannot be deposited into any pension fund.
- The covered period begins March 3, 2021 and ends on December 31, 2024, with a few important distinctions and exceptions to the covered period:
 - Funds must be INCURRED (i.e. obligated) by December 31, 2024
 - Funds must be EXPENDED with all WORK PERFORMED and COMPLETED by December 31, 2026

The American Response Plan Act of 2021 (cont.)

• Eligible uses include:

- A. to respond to the public health emergency with respect to the Coronavirus Disease 2019 (COVID–19) or its negative economic impacts, including assistance to households, small businesses, and nonprofits, or aid to impacted industries such as tourism, travel, and hospitality;
- B. to respond to workers performing essential work during the COVID–19 public health emergency by providing premium pay to eligible workers of the State, territory, or Tribal government that are performing such essential work, or by providing grants to eligible employers that have eligible workers who perform essential work;
- C. or the provision of government services to the extent of the reduction in revenue of such State, territory, or Tribal government due to the COVID–19 public health emergency relative to revenues collected in the most recent full fiscal year of the State, territory, or Tribal government prior to the emergency; or
- D. to make necessary investments in water, sewer, or broadband infrastructure.

Budget Supplement Requirement

Per the Code of Virginia 15.2.2507, any additional appropriation(s) which increases the total budget by more than 1% of the total expenditure budget for that fiscal year is required to be advertised for a public hearing at least seven days prior to the Board of Supervisors' approval of such appropriation; with such advertisements authorized by the County Administrator, unless the County Administrator deems such request for advertisement should require Board of Supervisors approval.

Questions?

I move the Board of Supervisors approve the a supplemental appropriation of \$2,648,439 of American Rescue Plan Act Funding for FY22.



March 16, 2022



- In October 2021 an RFP was issued with 4 responses received.
- After interviewing our current vendor BFI was chosen as the highest scoring proposal
- Included in this contract is the hauling and disposal of waste collected at the Convenience Center as well as the trash collected in dumpsters at various county buildings. As well as Industrial waste collection on an as needed basis.
- There are items included to help further reduce costs such as the addition of a second compactor aimed at reducing the number of hauls. The county is responsible for installation of a concrete pad and running electricity to the new compactor.



Waste Container Site	Current Cost	Contract Cost	
Fluvanna Rescue	\$194.25	\$104.00	Per Month
	Ć104 25	¢104.00	Development
Sheriff's Office	\$194.25	\$104.00	Per Month
Courthouse	\$194.25	\$104.00	Per Month
Pleasant Gove	\$194.25	\$104.00	Per Month
Carysbrook CC	\$194.25	\$104.00	Per Month
Carysbrook CC	\$194.25	\$104.00	Per Month
Fork Union CC	\$191.35	\$65.00	Per Month



Convenience Center	Current Cost	Contract Cost	
Rental of 8 Open 30yd	\$0.00	\$0.00	
Rental of 3 Closed 30yd	\$0.00	\$0.00	
Rental of 1 Compactor	\$0.00	\$0.00	
Rent Additional Compactor	NA	\$325.00	Per Month
Rent additional container	NA	\$60.00	
Haul Charge	\$195.00	\$160.00	Per Haul
Disposal	\$53.83	\$53.83	Per Ton
Recycling	\$150.00	\$150.00	Per Ton
Cardboard only removal	NA	\$180.00	Per Month



- After Year 1 pricing is subject to CPI adjustment using Water Sewer Trash Index of the Bureau of Labor Statistics (Not to exceed 3% annually)
- This contract is for 1 year with 4 one year renewals. Both BFI and the County retain the right to not renew each year with appropriate notice.



BFI Waste Services Disposal Agreement

Questions?



2021 Strategic Initiatives

Eric Dahl, County Administrator Kelly Belanger Harris, Assistant County Administrator

March 16, 2022



2021 Strategic Initiatives

- The Board adopted 2021 Strategic Initiatives on April 7, 2021
- Propose updating Strategic Initiatives at a 2022 Leadership Retreat



Α	SERVICE DELIVERY	
A1	Work with FRA to identify support options for Fire and Rescue volunteers.	Mar 2022 Update: • Cancer insurance – policy review for eligibility • Tax relief for personal property –legislative review required Nov 2021 Update: Approved in FY22 budget; program and policy requirements still under review: • Cancer insurance • Tax relief for personal property
A2	Continue to research and evaluate county-wide broadband expansion opportunities.	 March 2022 Update: No further update. November 2021 Update: Firefly Fiber is currently engaged in bringing fiber broadband to the entire CVEC footprint. Dominion Energy is interested in building fiber to its infrastructure and allowing Firefly Fiber to build laterals off Dominion Energy's planned fiber. 4/8/2021 Fluvanna BOS approved an MOU with Dominion, REC and Firefly Fiber to study bringing broadband to underserved areas of the County. Firefly Fiber studied Dominion Energy's footprint in Fluvanna County for areas underserved by broadband (less than 25/3 mpbs service) for inclusion in its network. Unserved locations for internet (25/3 speed or less) 917 homes and businesses 43 miles of fiber Construction begins in 2022, anticipated completion by 2025 The budget for the project is \$5,137,000 with VATI covering \$1.79 million. The County match would be \$601,500. The County can use American Rescue Plan Act funds for the match.
A3	Perform strategic review of existing and needed partnerships with local area support and other non-profit groups.	November 2021 Update: No action in CY2021 March 2022 Update: No update



Α	SERVICE DELIVERY	
Α4	Improve partnership with the school system for shared use of county and school owned facilities.	March 2022 Update: • Standard operations – review for efficiency • High school – emergency shelter • Parks and Rec November 2021 Update: • Ongoing
Α5	Initiate comprehensive review of the Route 53 corridor from Lake Monticello Road to Ruritan Lake Road (e.g., Safety improvements at LM Monish Gate; 3-way stoplight at Food Lion; sight improvement at Ruritan Lake Road and Route 53; etc.)	 March 2022 Update: No update. November 2021 Update: The Planning Commission's Transportation Subcommittee met from February 2021 to June 2021 to review: Ruritan Lake Road intersection, safety and sight improvements Nahor Manor Road intersection, safety and sight improvements Route 53/Lake Monticello-Monish Gate intersection was analyzed for the potential closure or the use of Right In and Right Out (RIRO) traffic control measures to eliminate left turn lane movements. VDOT conducting traffic review of the Route 53 Corridor in the Garden Lane and Nahor Manor Road area intersection with a comprehensive analysis of turning movements on the 53 corridor. Countywide Thoroughfare Plan for planned road connections, extensions, and the widening of arterial roads to meet our future travel demands to be considered in zoning cases and in VDOT Smart Scale funding requests.
A6	Implement Annual County Volunteers Recognition Ceremony.	 March 2022 Update: No update. November 2021 Update: COVID necessitated the cancellation in 2020; No budget CY2021
A7	Access the need for a professional Fire Chief Position	March 2022 No update November 2021 Update: No action in 2021



В	COMMUNICATION	
B1	Marketing campaign to let residents know about accomplishments and where their tax dollars go.	 March 2022 Update: Plans for 2022 – Board guidance? November 2021 Update: No action in 2021
B2	Meet with local Pastors to discuss effective communications and community support.	March 2022 Update: No update November 2021 Update: No action in CY2021
B3	Create Frequently Asked Questions (FAQ) page(s) on the County Website.	 March 2022: Completed and part of operations. November 2021 Update: Some Departmental FAQs created; no site-wide FAQs.



С	PROJECT MANAGEMENT	
C1	Continue Columbia area renewal efforts including improved enforcement of County/State codes and Health Department regulations.	 Mar 2022 Update CARE completed their charter as of Dec 31, 2021. VDH – continues monitoring VDOT – responds to any resident or county concerns Residents are engaged and regularly report concerns. November 2021 Update: Monthly Columbia Area Renewal Effort (CARE) meetings, virtually and in-person Increased Building Code and Zoning Enforcement field inspections Notice of Code and Zoning Violation notices issued for abatement and compliance purposes in 2021 Virginia Department of Health (VDH) & Virginia Department of Transportation (VDOT) inspections Health, safety, and welfare issues identified Some have been resolved but more work needs to be completed Continued Fluvanna County code enforcement
C2	Complete a Master Water and Sewer Plan (Phase I) to identify sources for the county's long-term water needs; particularly for each of its community planning areas.	 Mar 2022 update: Very close to completion! November 2021: The County-wide field assessment has been completed. The Master Plan substantially complete, but needs a final review by Fluvanna County Staff before being presented to the Board of Supervisors. The ordinances that will affect the Master Plan will also be included in the final review. The Draft Ordinance should be completed by the end of December or very close. The Draft Standards, Draft Cross Connection Plan and Draft Emergency Long Term Power Outage Plan is complete. The Draft Master Plan is complete and will be reviewed in November. The Board can probably expect to have it for their review in early January and asked to vote on the entire package by February.
C3	Create master report and marketing plan regarding County tower assets and rental options.	 March 2022 update: County-owned towers have been added to GIS layers. Will add link to County menu. Plans for creating static map of tower locations. November 2021 Update: County-owned towers and tower locations were reviewed and assessed to determine available rental space; the County website will be updated to include a Tower Locations Map; Zion Crossroads Water Tank will be added for rental space.



С	PROJECT MANAGEMENT	
C4	Review and pursue opportunities and options for a Palmyra Village Streetscape project to improve safety, parking, walkability, and overall appearance.	 March 2022: Ongoing November 2021: The Planning Department: Prepared and filed a VDOT Transportation Alternatives Program (TAP) Grant Application between May and October 2021 for VDOT funding for Phase I – Stone Jail Street Sidewalk and Court Square improvements Conducted preliminary field research with VDOT for Phase II – Main Street which will require the most extensive work to be completed Phase III – Main Street sidewalk to 15 and VDOT triangular parcel acquisition for Pavilion: community use and equipment storage.
С5	Successfully oversee and manage Fluvanna County aspects of the James River Water Project.	 March 2022: Ongoing November 2021: Ongoing. JRWA currently conducting alternative intake location analysis.
C6	Successfully oversee and manage the design and construction of the Zion Crossroads water and sewer system.	 March 2022 Update: Punch-list items continue to be completed. November 2021 Update: The waterline portion of the project was projected to be complete by the end of October, however, there are punch list items that are estimated to be completed either the third or fourth week in November. The sewer force main portion of the project is substantially complete. The Elevated Storage Tank is complete with the exception of some E&S issues which should be resolved in the spring of 2022 if a sufficient stand of vegetation comes up. Both the Wastewater and Water Pump Stations are complete. There are few issues with the SCADA system that need to be worked out, but are not critical to the operation of the system, just tracking. E-merge has been out to address some of the issues. However, due to a company merger some of the more intricate issues have yet to be completed. An exact date for when those issues are to be resolved is still being negotiated.



D	ECONOMIC DEVELOPMENT AND TOURISM	
D1	Draft and adopt a formal County- wide economic development and tourism strategy inclusive of an implementation schedule.	 March 2022: Stakeholder meetings have been conducted Draft of Strategic Plan presented to Board Spring 2022 November 2021: Economic Development and Tourism Strategy budgeted for FY22; owing to staff transitions, the plan has been delayed; anticipated that consultants will start in Jan 2022
D2	Coordinate development activity at Fluvanna's northern border with Louisa County, including possible natural gas line along 250 and discussing "shared" parcels.	 March 2022 Update: Zion Crossroads Gateway Plan underway between the counties of Fluvanna and Louisa to assess shared opportunities for the Zion Crossroads corridor. November 2021 Update: No action in 2021
D3	Hold an Economic Development Discussion Forum for local businesses with planning, zoning, building inspections, infrastructure components.	 March 2022 Update: Waiting for ZXR to come online, and Fluvanna County Master Water and Sewer Plan (Phase I) to be completed November 2021: Proposed for Spring 2022
D4	Investigate and pursue with State offices the installation of select Boat Ramps along the Rivanna and James Rivers to support additional recreational and tourism opportunities.	March 2022 Update: • No update. November 2021 Update: • As of now, no locations identified along the Rivanna or James
D5	Investigate opportunities for park expansion or Rivanna River access points to support expanded recreational activities	March 2022 Update: • No update. November 2021 Update: • Preliminary discussions about small parks in the county along with water access.



D	ECONOMIC DEVELOPMENT AND TOURISM	
D6	Review options, pros, cons, costs, etc., of creating a "teaching farm" at PG Park,	 March 2022: Possible that implementation better suited for Extension/FCPS
		November 2021 Update: • No action since 2019
D7	Implement stronger Code Enforcement on the County's Spot Blight Abatement program	 November 2021 Update: Implement stronger Code Enforcement efforts; see C1 Columbia Area Renewal Efforts (CARE) for the related updated information.
D8	Review the Subdivision Ordinance on Cluster subdivisions; large lot subdivisions; (Amend the zoning and subdivision ordinances to allow for varying lot sizes, from small clustered lots to large parcels suitable for continued farming and rural living.)	 March 2022 Update: Planning Commission appointed residents to the Rural Preservation & Historic Preservation subcommittee on March 8, 2022. November 2021 Update: Zoning Ordinance has been reviewed with regard to rural cluster subdivisions and have been recorded in planned growth areas where higher density residential lots are called for using water and sewer. According to the 2020 Census, Fluvanna County grew at a rate of 6.3% and is no longer defined as a high growth rate locality (growth above 10%). As such, it is no longer necessary to consider rural clustering as a growth control measure. Large-lot subdivisions already exist under the Minor Subdivision process which yields less than five lots rather than 50+ lots that current clustering provisions allow. The Planning Commission Subcommittee for Rural Preservation & Historic Preservation, will examine rural preservation options to properly use the rural cluster subdivision techniques to preserve rural farms.
D9	Review the Zoning Ordinance to look at higher density options between CPA and R4.	 March 2022 Update: Planning Commission appointed residents to the Future Land Use/Zion Crossroads UDA subcommittee on March 8, 2022. November 2021 Update: Community Planning Director reviewed the Zoning Ordinance with the County Attorney who advised moving forward with the R-4 Zoning Ordinance Text Amendment (ZTA) to increase the by-right residential density permitted within the R-4 zoning district. Increased density in the Zion Crossroads Urban Development Area (UDA) would be considered through future R-4, residential rezoning requests. The Future Land Use / Zion Crossroads UDA subcommittee will examine the use of R-4 zoning to provide for higher density, residential mixed-use developments in an area that is planned for this type of new growth on the Fluvanna County water and sewer system.



E	FINANCIAL STEWARDSHIP AND EFFICIENCY	
E1	Reduce the County's reliance on creating and mailing paper checks for payments and implement expanded ACH/EFT transaction options.	 March 2022 Update: Munis upgrade completed Feb 2022 Finance Director position vacant. November 2021 Update: In process; awaiting Munis upgrade and implementation.
E2	Implement credit card payment option for citizen at all County funds collection points through MUNIS Cashiering process.	 March 2022 Update: Contract is with County Attorney's office November 2021 Update: A Request for Proposals (RFP) for credit card processing closed on Oct 14, 2021. Credit card processing should been in place by the end of calendar year 2021.
E3	Create one-stop for key Fluvanna County data and metrics.	March 2022 Update: • No update. November 2021 Update: • No action in CY2021.
E4	Plan for ways to adequately fund, implement and standardize the Capital Improvement Plan, eliminating deferred CIP projects.	 March 2022 Update: Board authorized funding in FY22 for CIP funding to get caught up on deferred projects County departments and agencies have useful-life replacement plans in place for vehicles and apparatus Funding Plan still to be determined. November 2021 Update: No action in CY 2021; will bring proposal in conjunction with FY23 Budget.



S	Staff Priorities	
S1	2021 Redistricting	November 2021 Update:
	_	Current and ongoing. Ordinance adoption on Dec 15, 2021.
		March 2022 Update:
		• COMPLETED.
		Redistricting Ordinance adopted Dec 15, 2021
		 Palmyra polling place chosen and ordinance updated March 2, 2022. Certification of no objection received from Attorney General Feb 28, 2022.
S2	Adjusting shared County	March 2022 Update:
	boundaries	• No update.
		November 2021 Update:
		• No action in CY2021.
	Elimente Ducinces Derle - Ferle	
S 3	Fluvanna Business Park – Fork	March 2022 Update: • Fork Union Business Park Master Plan and due diligence related work completed and presented to Board Feb 2022
	Union	 Fork Union Business Park Master Plan and due diligence related work completed and presented to Board Feb 2022. Submitted rezoning application to Planning Dept Feb 2022.
		 Planning Commission April 2022
		 Board May 2022
		 Park name to be brought forward for consideration Spring 2022
		November 2021 Update: o Cultural Resources Review Draper Aden next steps: (Completed County next steps:
		o Threatened & Endangered as of Feb 2022) o Rezoning (after TIA is complete)
		January 2021 the Board approved Species Review O Preliminary geotechnical O Name of the park
		Draper Aden to study the Fork Union • Preliminary Master Plan exploration • Marketing of the park
		Property. They have completed: Development O Corps of Engineers acceptance of O Discuss with developers O Boundary survey water delineation
		 Topographic survey Topographic survey Preliminary Engineering Report Long range plans:
		 Phase I Environmental Site (PER) Engineer the park
		Assessment (ESA I) O Master plan development O Install road
		 Waters of the US Delineation finalization Determine sewer solution
		Determination o Traffic impact analysis o Sell parcels



S	Staff Priorities	
S4	New County Administration Building	 November 2021: Request for Proposals (RFP) for Design in process.
S5	Pleasant Grove "Fluvanna After Five" events	 Mar 2022 Update: County-sponsored events difficult due to staffing constraints; no MOU in place with non-profit who could staff events
		 November 2021: No action in CY2021; COVID restrictions and concerns forestalled moving forward. Anticipated for 2022.



Questions?