

**APPROVED MINUTES
KING WILLIAM COUNTY BOARD OF SUPERVISORS
REGULAR MEETING OF OCTOBER 23, 2023**

A regular meeting of the Board of Supervisors of King William County, Virginia, was held on the 23rd day October 2023 beginning at 7:00 p.m. in the Board Meeting Room of the County Administration Building and via Zoom.

AGENDA ITEM 1. CALL TO ORDER

Chairman Hodges called the meeting to order.

AGENDA ITEM 2. APPROVAL OF ELECTRONIC PARTICIPATION BY A BOARD MEMBER

Not necessary.

AGENDA ITEM 3. ROLL CALL

The members of the Board of Supervisors were polled:

Supervisor, 2nd District: Travis J. Moskalski	Aye
Supervisor, 3rd District: Stephen K. Greenwood	Aye
Supervisor, 4th District: C. Stewart Garber, Jr. – Vice Chair	Aye
Supervisor, 5th District: Edwin H. Moren, Jr.	Aye
Supervisor, 1st District: William L. Hodges – Chair	Aye

AGENDA ITEM 4. MOMENT OF SILENCE

The Chairman called for a moment of silence.

AGENDA ITEM 5. PLEDGE OF ALLEGIANCE

The Chairman led the pledge of allegiance.

AGENDA ITEM 6. REVIEW AND ADOPTION OF MEETING AGENDA

Chairman Hodges asked that item 12a – Compensation Board, DSS, Schools Salary Updates be removed from the agenda making item 12b FY24 1st Quarter Financial Report 12a. Supervisor Greenwood made a motion to approve the amended agenda. Supervisor Moskalski seconded. The Chairman called for any discussion. The members were polled:

Supervisor, 3rd District: Stephen K. Greenwood	Aye
Supervisor, 4th District: C. Stewart Garber, Jr. – Vice Chair	Aye
Supervisor, 5th District: Edwin H. Moren, Jr.	Aye
Supervisor, 2nd District: Travis J. Moskalski	Aye
Supervisor, 1st District: William L. Hodges – Chair	Aye

AGENDA ITEM 7. CONSENT AGENDA

Consent Agenda items were:

- a. Approval of Minutes:
 - i. September 1, 2023 Special Called Meeting Draft Minutes
 - ii. September 11, 2023 Work Session Draft Minutes
 - iii. September 25, 2023 Regular Meeting Draft Minutes

- b. Resolution 23-59 - Celebrating Rock Spring Baptist Church on the Occasion of Its 146th Anniversary
- c. Resolution 23-77 - Requesting the Virginia Department of Transportation to Add the Segments Identified on the Incorporated Form AM 4.3 to the Secondary System of State Highways for Central Crossing Section 2A
- d. Resolution 23-78 - Requesting the Virginia Department of Transportation to Add the Segments Identified on the Incorporated Form AM 4.3 to the Secondary System of State Highways for McCauley Park Section 2
- e. Resolution 23-79 - Recognition & Appreciation of County Logo Contest Winner, Laurelyn Morgan

Vice Chair Garber made a motion to approve the Consent Agenda; seconded by Supervisor Moskalski. The Chairman called for any discussion. The members were polled:

Supervisor, 4th District: C. Stewart Garber, Jr. – Vice Chair	Aye
Supervisor, 5th District: Edwin H. Moren, Jr.	Aye
Supervisor, 2nd District: Travis J. Moskalski	Aye
Supervisor, 3rd District: Stephen K. Greenwood	Aye
Supervisor, 1st District: William L. Hodges – Chair	Aye

RESOLUTION 23-59
CELEBRATING ROCK SPRING BAPTIST CHURCH ON THE OCCASION OF ITS 146th
ANNIVERSARY

WHEREAS the churches of our county, state, and nation have been an integral part of our history as a people, and have had an unparalleled impact in forming and maintaining a stable and just society; and

WHEREAS it is appropriate that we should recognize those venerable religious institutions and their congregations who, through their unflagging capacity for love, dedication of spirit, and faith in God, strive to enrich the lives of people in their communities; and

WHEREAS Rock Spring Baptist Church was originally organized in King William County on the 3rd Sunday of March 1877 under the leadership of Reverend Washington Henry along with Brothers Edmond Burroughs, Charles Smith, Fameus Smith, William Carter, Joseph Winston, Winston Wilson, and Henry Turner and Sisters Sallie Smith, Matilda Thomas, and Isabella Winton; and

WHEREAS the first structure was a log cabin built by brothers Lewis and Henry Tunket on land purchased from Mr. McTimberlake which also served as a school for black children until such time as another school was built; and

WHEREAS, in 1905, having outgrown the log cabin, Pastor D.J. Stewart led the charge to construct a new place of worship which still stands today as a beacon to the faithful in King William County; and

WHEREAS, the current pastor of Rock Spring, Reverend Pagie Hancock III, has overseen the ordainment of the first female deacon, Carolyn Ford, as well as the first female trustee, Cassandra

Johnson-Daniels. Also, the Pastor established a Leadership Team that includes representation from all ministries in the church with the continuing goal of becoming a more united, educated, and inclusive Body of Christ; and

WHEREAS, even through the Covid pandemic, Rock Spring Baptist Church continued to be a guiding light and bulwark in the King William community by holding services via a conference line whereby the devout members of the congregation faithfully continued to carry out God's work in the world; and

WHEREAS the Church continues to be deeply involved in the Community in showing its pride by hosting a highly successful gospel music event supporting the Middle Peninsula Garden Week on April 21, 2023;

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of King William County hereby expresses its appreciation of Rock Spring Baptist Church and their numerous contributions to the citizens of King William County, and congratulates the congregation on their 146th Anniversary of sharing the Word of God through preaching, service, and community outreach; and

BE IT FURTHER RESOLVED that a copy of this resolution expressing the sentiments of this Board of Supervisors be conveyed to the Rock Spring Baptist Church leaders and congregation and shall be spread upon the meeting minutes of said Board of Supervisors.

DONE this 23rd day of October, 2023.

RESOLUTION 23-77
§33.2-705 – LAND DEVELOPMENT ADDITIONS TO SECONDARY ROUTE
CENTRAL CROSSING SECTION 2A

WHEREAS Central Crossing Section 2A has been completed, and

WHEREAS the streets of Central Crossing Section 2A meet the public service criteria of the Secondary Street Acceptance Requirements; and

WHEREAS the development sketch and VDOT Form AM 4.3, attached and incorporated herein as part of this resolution, define additions required in the Secondary System of State Highways as a result of construction; and

WHEREAS certain segments identified on the incorporated Form AM 4.3 are ready to be accepted into the Secondary System of State Highways;

NOW, THEREFORE, BE IT RESOLVED that the King William County Board of Supervisors does hereby request the Virginia Department of Transportation to add the segments identified on the incorporated Form AM 4.3 to the Secondary System of State Highways, pursuant to §33.2-705 of the Code of Virginia, for which segments this Board hereby guarantees the right of way to be clear and unrestricted, including any necessary easements for cuts, fills, and drainage, and

BE IT FURTHER RESOLVED that the King William County Board of Supervisors does hereby authorize the County Administrator or their designee to sign the attached Form AM 4.3; and

BE IT FINALLY RESOLVED that a certified copy of this resolution be forwarded to the Virginia Department of Transportation.

DONE this 23rd day of October, 2023.

RESOLUTION 23-78
§33.2-705 – LAND DEVELOPMENT ADDITIONS TO SECONDARY ROUTE
MCCAULEY PARK SECTION 2

WHEREAS McCauley Park Section 2 has been completed; and

WHEREAS the streets of McCauley Park Section 2 meet the public service criteria of the Secondary Street Acceptance Requirements; and

WHEREAS the development sketch and VDOT Form AM 4.3, attached and incorporated herein as part of this resolution, define additions required in the Secondary System of State Highways as a result of construction; and

WHEREAS certain segments identified on the incorporated Form AM 4.3 are ready to be accepted into the Secondary System of State Highways;

NOW, THEREFORE, BE IT RESOLVED that the King William County Board of Supervisors does hereby request the Virginia Department of Transportation to add the segments identified on the incorporated Form AM 4.3 to the Secondary System of State Highways, pursuant to §33.2-705 of the Code of Virginia, for which segments this Board hereby guarantees the right of way to be clear and unrestricted, including any necessary easements for cuts, fills, and drainage, and

BE IT FURTHER RESOLVED that the King William County Board of Supervisors does hereby authorize the County Administrator or their designee to sign the attached Form AM 4.3; and

BE IT FINALLY RESOLVED that a certified copy of this resolution be forwarded to the Virginia Department of Transportation.

DONE this 23rd day of October, 2023.

RESOLUTION 23-79
RECOGNITION AND APPRECIATION OF COUNTY LOGO CONTEST WINNER
LAURELYN MORGAN

WHEREAS King William County held a contest in 2023 inviting citizens to submit their unique and original designs for a new branding logo along with a description of why they felt their design represents King William County; and

WHEREAS citizens were asked to submit designs which would give visitors a taste of what King William is all about; represent the unique features, characteristics, heritage, and history of the County; be professional but fun; be easily identifiable; could easily adapt to different marketing purposes; and would complement the current County Seal; and

WHEREAS twenty-one excellent designs were submitted and then presented anonymously to the community to vote for their favorites; and

WHEREAS five-hundred fifty-two votes were received and assigned three points for all first choices, two points for all second choices, and one point for all third choices; and

WHEREAS the winning design received more votes than any other in all three categories and, of the top three designs, all were created by Ms. Laurelyn Morgan; and

WHEREAS at the County's request, Ms. Morgan slightly modified her winning design to include some aspects of her other top designs in order to round out the symbolism of the logo; and

WHEREAS Ms. Morgan has generously given King William County all rights, titles, and interest in the final logo design;

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of King William County hereby recognizes Ms. Laurelyn Morgan's incredible and impressive talent in not only winning the design contest, but having three of the five designs she submitted voted among the top five of all entries, and all five of her designs voted among the top seven of all entries; and

BE IT FURTHER RESOLVED that this Board expresses its deep appreciation for Ms. Laurelyn Morgan's significant efforts in participating in the contest and congratulates her on winning the contest and providing the County with an excellent branding logo to be used in conjunction with the County Seal; and

BE IT FINALLY RESOLVED that a copy of this resolution expressing the sentiments of this Board of Supervisors be conveyed to Ms. Laurelyn Morgan and shall be spread upon the meeting minutes of said Board of Supervisors.

DONE this 23rd day of October, 2023.

AGENDA ITEM 8. PRESENTATIONS

8.a. Presentation of Resolution 23-59 - Celebrating Rock Spring Baptist Church on the Occasion of Its 146th Anniversary - Ed Moren, District 5 Supervisor

Supervisor Moren read and presented the resolution to members of the Rock Spring Baptist Church in honor of their 146th anniversary. Cosponsored by Vice Chair Garber.

8.b. Presentation of Resolution 23-79 and Announcement of Logo Contest Winner - Christine H. Branch, Clerk

Ms. Branch read and presented the resolution to Laurelyn Morgan for her winning work on the new county logo.

8.c. Historical Society & Museum Update - David Brown, Debi Moren

Ms. Moren provided historical data, visitor numbers, and the events held at the museum along with an update on their current projects. She thanked the Board for their continued support and encouraged them to answer the King William Historical Museum SOL Questions 2023 provided in the packet.

Mr. Brown provided an update on the number of published books/transcripts and current and upcoming projects for the Historical Society. He also provided an update on the archeology study and findings at the tavern dig site.

Chairman Hodges asked if anything interesting had been found at the archaeological dig site. Mr. Brown said he thinks they have uncovered the site of the tavern.

Supervisor Moskalski said he was impressed with their work and extended his appreciation.

AGENDA ITEM 9. CITIZENS COMMENT PERIOD

Chairman Hodges opened the Citizens Comment period.

Dorothy Wassenberg of District 4 expressed concerns over the Pamunkey Regional Library and said the County should seriously consider pulling out of the contract with them. She said the Community Building project should be held and wondered where the funds to purchase land were coming from. She said she read the latest Comprehensive Financial Report that came out last week and asked about a missing \$5 million. [No report came out last week, the audit is still in progress, and there is no missing \$5 million.]

Sharon Landrum of District 5 said she continues to be concerned over the books in the library and wanted to bring it to everyone's attention again.

Brent Bohannon of District 1 said the Board should take a pause on spending for now based on the economic conditions we are currently experiencing.

Bryan Wade of District 2 said he supports the changes to the Zoning & Subdivision Ordinance and feels CUPs are necessary for short term rentals.

There being no further speakers, Chairman Hodges closed the Citizens Comment period.

AGENDA ITEM 10. PUBLIC HEARINGS

10.a. Ordinance 09-23 - Amendments to the Zoning & Subdivision Ordinance - Sherry Graham, Director of Planning

Ms. Graham presented an overview of the proposed changes to the Zoning and Subdivision Ordinance and changes to the fee schedule. The Board was provided with written comments from the public which were submitted online.

Counselor Hlavin said he had not had time to review the proposed changes yet.

Supervisor Moskalski made a motion to table Ordinance 09-23 and sent it back to the Planning Commission for further review and review with the legal team. There being no second, the motion died.

Chairman Hodges opened the Public Hearing period.

Ruby Foley of District 2 (Zoom) said the wording of a 'valid complaint' is too vague. She said she is available as a resource if needed. Her understanding is that her current permit would still be subjected to an annual renewal which is not really the definition of being grandfathered in.

John Foley of District 2 (Zoom) said he has the same concerns as his wife and is available as a resource if needed.

Donald Wagner of District 5 said he is concerned about the changes in section 86-403 Site Plan Requirements. He provided the Board with a written handout of his concerns and recommends that the ordinance be tabled for now.

Steven Hoy of District 2 expressed concern over section 86-210 short-term business rentals and said there were numerous short-term rentals being advertised in the County literature rack that do not have a permit.

There being no further speakers, Chairman Hodges closed the Public Hearing period.

Supervisor Moskalski made a motion to table Ordinance 09-23 pending legal review and further input from the Planning Commission. Supervisor Moren seconded. The Chairman called for any discussion.

Counsellor Hlavin said another advertised public hearing would need to take place after legal review.

The members were polled:

Supervisor, 5th District: Edwin H. Moren, Jr.	Aye
Supervisor, 2nd District: Travis J. Moskalski	Aye
Supervisor, 3rd District: Stephen K. Greenwood	Aye
Supervisor, 4th District: C. Stewart Garber, Jr. – Vice Chair	Aye
Supervisor, 1st District: William L. Hodges – Chair	Aye

10.b. Resolution 23-76 - Changes to Subdivision Fees - Sherry Graham, Director of Planning

Ms. Graham reviewed the proposed fee changes.

Chairman Hodges opened the Public Hearing period.

There being no speakers, Chairman Hodges closed the Public Hearing period.

Supervisor Greenwood made a motion to approve Resolution 23-76. Vice Chair Garber seconded. The Chairman called for any discussion. The members were polled:

Supervisor, 2nd District: Travis J. Moskalski	Aye
Supervisor, 3rd District: Stephen K. Greenwood	Aye
Supervisor, 4th District: C. Stewart Garber, Jr. – Vice Chair	Aye
Supervisor, 5th District: Edwin H. Moren, Jr.	Aye
Supervisor, 1st District: William L. Hodges – Chair	Aye

RESOLUTION 23-76
AMENDING THE KING WILLIAM COUNTY PLANNING AND ZONING FEE SCHEDULE

WHEREAS King William County, Virginia is authorized by Virginia Code §15.2-2286 to collect fees to cover the cost of making inspections, issuing permits, advertising of notices, and other expenses incident to the administration of a zoning ordinance or the filing or processing of any appeal or amendment thereto; and

WHEREAS the King William County Planning Commission conducted a duly advertised public hearing on October 3, 2023 and recommended approval of the amendments contained herein to the Board of Supervisors; and

WHEREAS, after reviewing the amendments recommended by the Planning Commission and holding a duly advertised public hearing on October 23, 2023, the Board of Supervisors finds the fees contained herein to be fair and reasonable to cover a large portion of the cost of providing such services;

NOW, THEREFORE, BE IT RESOLVED that the Board of Supervisors of King William County, Virginia, does repeal the current Planning and Zoning Fee Schedule adopted April 25, 2022 and made effective May 1, 2022, and adopts the fees as shown herein effective November 1, 2023.

DONE this 23rd day of October, 2023.

AGENDA ITEM 11. UNFINISHED BUSINESS

11.a. HRSD Discussion - J Dano, HRSD Chief of Planning & Analysis (Zoom)

Mr. Dano reviewed his presentation via Zoom (Attachment #1).

Vice Chair Garber asked when he anticipated HRSD getting to 150K gallon capacity. Mr. Dano said within two years.

Vice Chair Garber asked what the original budget was and what did it increase to. Mr. Dano said it was originally \$15 million and the projected cost increased to \$31 million. They expect the cost to of increasing to the 150K gallon capacity to be approximately \$3.7 million.

Supervisor Moskalski asked what level of confidence HRSD has that they will be able to service the connections already on schedule. Mr. Dano said he was very confident and they already have some good backup plans in mind and will do everything possible to meet the needs.

Supervisor Moren asked what happens when a developer has finished a build within a subdivision and there is no connection available. Is the county liable? Mr. Dano said HRSD approval for the subdivision should have been approved before the build was approved.

Supervisor Moren asked if this was considered the highest priority in the County at this time. Mr. Hudgins said it is definitely one of the highest priorities.

Supervisor Greenwood asked when the study would be completed. Mr. Dano said spring of 2024.

Supervisor Moskalski said he felt better after tonight's presentation knowing that HRSD is working on a solution. Mr. Dano said HRSD is happy to partner with the County to work on both short-term and long-term solutions.

11.b. Draft Ordinance for Real Estate Tax Relief for Certain Elderly and Disabled Persons – Maxwell C. Hlavin, County Attorney

Mr. Hlavin presented a draft ordinance.

Vice Chair Garber said he'd like the net worth raised from 100K to 125K and asked for a fiscal impact. Supervisor Moskalski said there is no way to determine the fiscal impact because it is unclear how many people may participate.

Supervisor Moskalski expressed concern over adding an annual inflation commitment at this time and saddle future Boards with meeting the commitment.

Commissioner Funkhouser provided various scenarios of what an annual increase could look like with ongoing compounded interest.

After discussion, the consensus of the Board was to change the annual household income to \$55K, net worth to \$125K, and remove the annual inflation factor.

Counsellor Hlavin said the ordinance would be revised and then brought to a public hearing.

AGENDA ITEM 12. New Business

12.a. Compensation Board, DSS, Schools Salary Updates - Julie K. Mills, Deputy Director of Financial Services

12.b. 12.a. FY24 1st Quarter Financial Report - Julie K. Mills, Deputy Director of Financial Services

Ms. Mills presented the Quarterly Report.

Supervisor Moren asked about the Unassigned Fund Balance. Ms. Mills said she would provide that information to the Board.

Supervisor Moren asked for clarification about KWPCS' "unassigned fund." Mr. Hudgins said they have a restricted fund, not an unassigned fund.

AGENDA ITEM 13. ADMINISTRATIVE MATTERS FROM COUNTY ADMINISTRATOR

13.a. Administration Report - Percy C. Ashcraft, County Administrator

Mr. Hudgins presented the Administrator's report.

13.b. Board Information

Mr. Hudgins pointed out that All Points Broadband provided a written update.

Supervisor Moren asked about the Multi-Factor Authentication that was mentioned in the IT report and was enabled for several employees. Mr. Hudgins said he didn't have any more information on that topic.

AGENDA ITEM 14. BOARD OF SUPERVISOR' COMMENTS

Supervisor Greenwood thanked everyone for coming.

Supervisor Moskalski thanked everyone for coming and wished candidates good luck on the ballot in November.

Chairman Hodges said the Town of West Point Cancer Collection raised over \$5,200 in the Oyster shucking. He said a statement was made recently at a Town Council meeting asserting that the Board of Supervisors sets the value of vehicles for personal property tax. He said this is not true and clarified that the Board does not set the vehicle values. The Board sets the tax rate.

Vice Chair Garber thanked Rock Spring Church for coming out tonight and the Board for working together on the 65+ tax relief ordinance. He thanked everyone for coming out tonight.

Supervisor Moren wished his grandson, Cooper, a Happy 12th Birthday.

AGENDA ITEM 15. ADJOURN OR RECESS

Supervisor Greenwood made a motion to adjourn; seconded by Supervisor Moskalski. The members were polled:

Supervisor, 3rd District: Stephen K. Greenwood	Aye
Supervisor, 4th District: C. Stewart Garber, Jr. – Vice Chair	Aye
Supervisor, 5th District: Edwin H. Moren, Jr.	Aye
Supervisor, 2nd District: Travis J. Moskalski	Aye
Supervisor, 1st District: William L. Hodges – Chair	Aye

COPY TESTE:

William L. Hodges, Chairman
Board of Supervisors

Christine H. Branch
Clerk to the Board of Supervisors

Attachment A



King William County Exploring Possibilities

John J. Dano - Chief of Planning & Analysis
October 23, 2023

About HRSD

Promise

We promise to treat
wastewater and recover
natural resources to
protect public health and
the environment.

Vision

Our communities will have
clean and waterways and
reliable water resources
for generations to come.



Portsmouth, Virginia before HRSD was created in 1940. Raw sewage was discharged to open area waterways and ditches.



Fast Facts



Political subdivision of the Commonwealth of Virginia



Population Served: 1.9 million



Governing Body: Governor-appointed commission



More than 500 miles of pipe, 6-60 inches in diameter



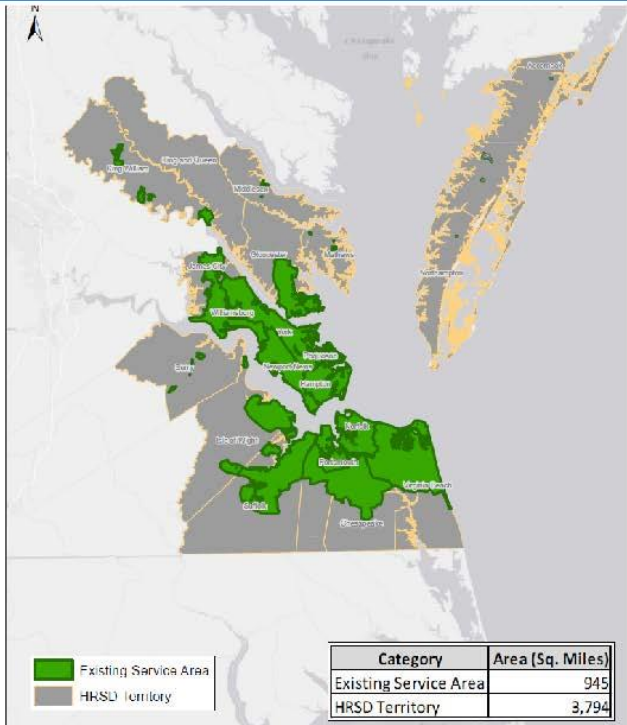
More than 100 pump stations



Combined capacity of 225 million gallons per day



HRSD Territory & Service Area



Treatment Plants

HRSD operates eight major treatment plants and several smaller plants in eastern Virginia, with a combined treatment capacity of 225 million gallons per day.

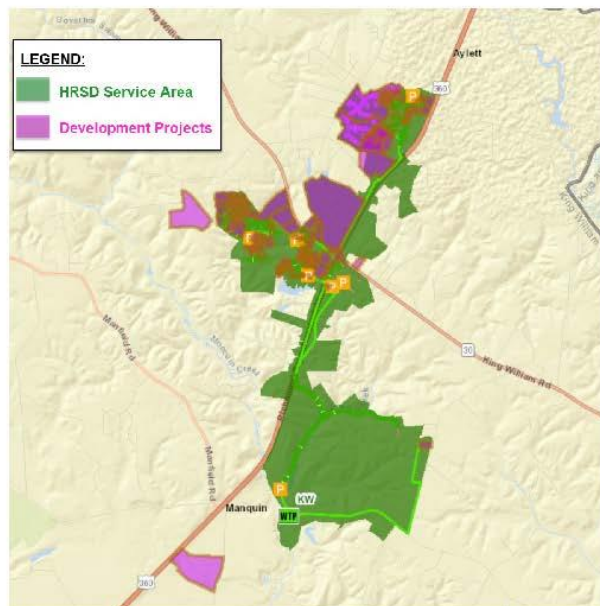
(KWTP 0.1 MGD)



HRSD



King William County Service Area



HRSD

HRSD Residential Development Review

	ERUs in King William	
	Connected	Build-Out
Approved	672	1,032
Under Review	0	253
Potential	0	1,231
Total	672	2,516

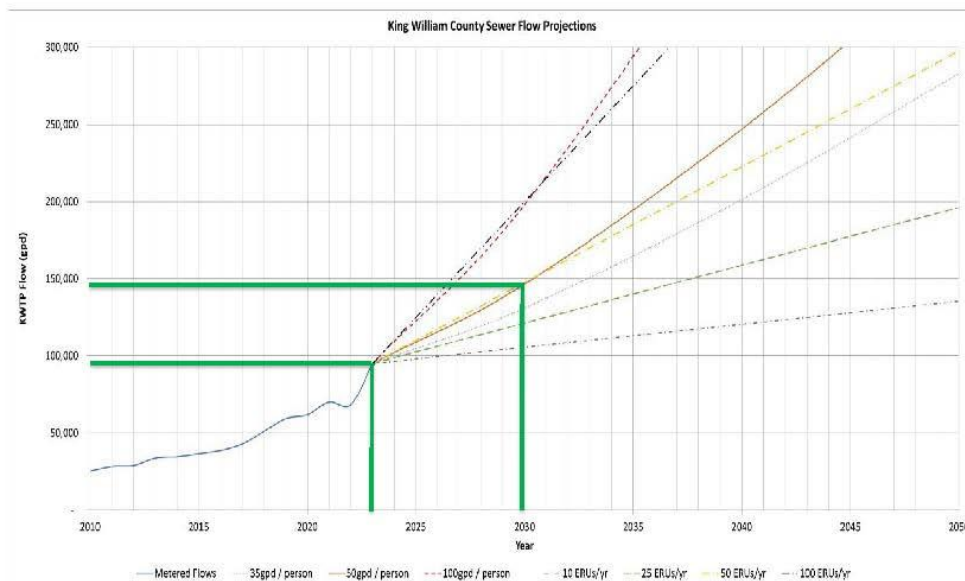
This table represents the total potential ERUs HRSD is aware of within King William County. All but 293 ERUs would be approved for physical connection to the public sewer system once site plans were approved and individual connection applications were received & approved by HRSD.

	ERUs in King William within existing HRSD Service Area	
	Connected	Build-Out
Approved	672	1,032
Under Review	0	253
Potential	0	938
Total	672	2,223

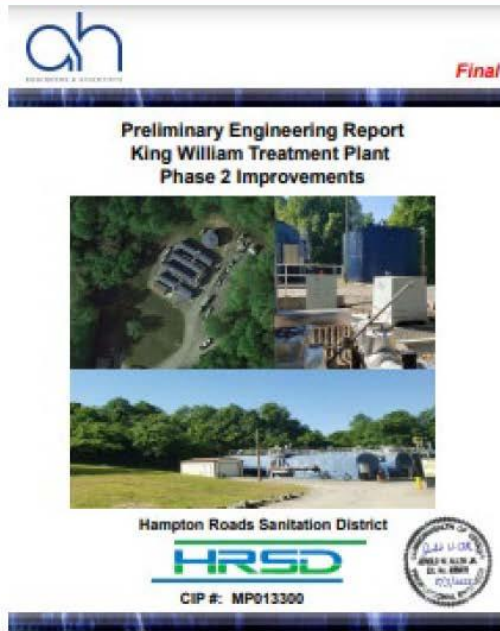
This table represents the total potential ERUs HRSD is aware of within the existing HRSD Service Area of King William County. All would be approved for physical connection to the public sanitary sewer system once site plans were approved and individual connection applications were received & approved by HRSD.



King William Flow Projections



May 2023



May 2023

VP01330 King William Treatment Plant –
Phase 2 Preliminary Engineering Report
King William, VA

Section 12

Cost for additional land for contractor laydown area was not included. The following markups for market factors were assumed and applied to the estimated raw construction costs for the project:

- Contractor and subcontractor overhead and profit, mobilization/demobilization - 20%
- Contractor bond/insurance - 2%
- Contingency/undefined scope - 20%

Table 12-1 presents the preliminary opinion of probable project cost based on the above assumptions.

Table 12-1 Opinion of Probable Project Cost

Description	Cost
Opinion of Probable Construction Cost – Phase 2	\$29,948,000
Low Range Construction Cost (20%)	\$21,667,200
High Range Construction Cost (20%)	\$38,000,000
Engineering – Design (actual)	\$1,622,000
Engineering – Procurement (actual)	\$32,200
Engineering – Construction Administration (8%)	\$2,166,000
Engineering – Closure (0.15%)	\$40,000
Total Program Cost	\$31,286,000

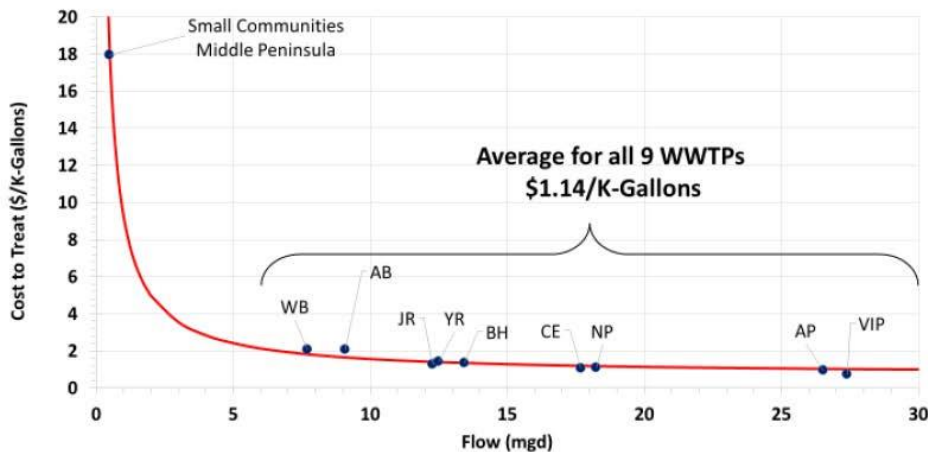
Appendix F provides a more detailed breakdown of probable construction costs by major unit process and activity.

AP Environmental Consultants, Inc. 12-2 Final, May 2023
133 01

HRSD

Cost to Treat (\$/1,000 gallons)

Economies of Scale – Unit Cost to Treat Vs mgd



HRSD

King William Treatment Plant Improvements

- HRSD has begun a Middle Peninsula Wastewater Master Plan to evaluate and develop conceptual alternatives to manage the wastewater conveyance and treatment needs of the Middle Peninsula through 2050.
 - This study is to be completed by July 2024
 - HRSD has paused the design of the KW Treatment Plant Improvements CIP at 90% until the master plan is completed.
- HRSD will make interim improvements to increase treatment plant capacity to 150,000 GPD.
 - The interim improvements are projected to cost \$3.7M and take two years to construct.
 - The interim improvements have a lifespan of roughly 10 years



Key Points

- HRSD has plans to increase treatment capacity to 150,000 gallons per day in the near term
 - This will allow for projected development within the service area
- HRSD is looking at alternatives to provide wastewater service into the future



One Water




Source: WRF #4660 (2017)

One Water Defined

One Water is an integrated planning and implementation approach to managing finite water resources for long-term resilience and reliability, meeting both community and ecosystem needs.

HRSD

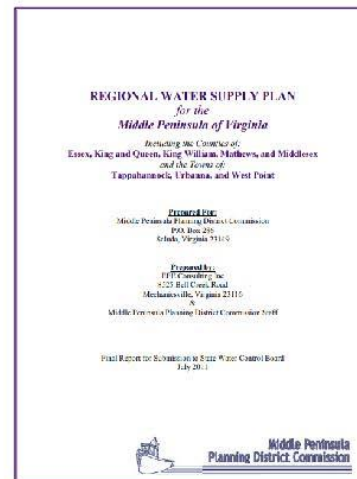


Water and Wastewater = One Water

Table 11-1. Adequacy of Community Water Systems at the End of the Planning Period (2040)

Locality	Projected Population Served by Community Systems (2040)	Estimated Water Demand (2040)	Permitted Capacity (Current)	Number of Community Water Systems for which data was available	Estimated 2040 Water Demand as % of Current permitted System Capacity
Essex County	1,416	0.110	0.296	10	37.2
King and Queen County	354	0.040	0.065	3	61.3
King William County	42,941	4.108	0.483	10	850.50
Mathews County	575	0.042	0.070	8	60.0
Middlesex County	2,521	0.163	0.308	12	52.9
Town of Tappahannock	3,449	0.538	0.780	1	69.0
Town of Urbanna	566	0.176	0.400	1	44.0
Town of West Point	3,985	0.571	0.528	1	108.3
Planning Region	57,007	5.77	2.93	46	196.93

* Based on Tables 8-11 to 8-19. Estimated population served by community systems in the Planning Region and projected water demand.



HRSD



Plan to provide increased wastewater capacity: April 2020

King William Transmission Force Main Phase I Study
MP 014000

Submitted to:



2389 G Avenue
Newport News, Virginia 23602

FINAL
Feasibility Study

April 29, 2020

Submitted by:

RK&K
11827 Caron Blvd., Suite 102
Newport News, VA 23606
(757) 926-4588



The FY 2020 CIP MP014000 and ACE Level 5 total project cost estimates are presented in Table ES.2.

Table ES.2

Description	CIP	Project Cost					
		Alt. No. 1 Single Station	Alt. No. 1 Two Stations	Alt. No. 2 Single Station	Alt. No. 2 Two Stations	Alt. No. 3 Single Station	Alt. No. 3 Two Stations
Corridor Technical Memorandum	-	\$ 129,662	\$ 129,662	\$ 129,662	\$ 129,662	\$ 129,662	\$ 129,662
Preliminary Engineering Report	\$ 356,000	\$ 356,000	\$ 356,000	\$ 356,000	\$ 356,000	\$ 356,000	\$ 356,000
Engineering Design	\$ 712,000	\$ 1,307,571	\$ 1,849,114	\$ 1,899,421	\$ 1,842,063	\$ 1,765,301	\$ 1,905,946
Preliminary Construction / Bid Phase (0.25%)	\$ 25,000	\$ 38,808	\$ 42,025	\$ 38,623	\$ 41,865	\$ 40,071	\$ 43,317
Construction Cost	\$ 2,809,000	\$ 15,523,375	\$ 16,810,125	\$ 15,449,282	\$ 16,746,092	\$ 16,330,030	\$ 17,326,780
Equipment Acquisition	-	\$ 72,510	\$ 72,510	\$ 118,180	\$ 118,180	\$ -	\$ -
Construction Administration/ Inspection (12%)	-	\$ 1,862,805	\$ 2,017,215	\$ 1,853,914	\$ 2,009,524	\$ 1,923,604	\$ 2,079,214
Construction Contingency*	\$ 2,397,000	\$ 3,304,675	\$ 3,362,025	\$ 3,089,856	\$ 3,349,206	\$ 3,106,006	\$ 3,465,356
Total Estimated Project Cost	\$16,396,000	\$ 22,806,461	\$ 24,649,676	\$ 22,441,694	\$ 24,805,520	\$ 22,416,640	\$ 25,216,274



King William Control Development and Schedule

- KW ownership and operation of WWTP
 - KW staff
 - Private company operate & maintain
- KW provide alternate water source for Nestle
- Balance industrial and residential development goals/groundwater allocations



- HRSD has plans to increase treatment capacity to 150,000 gallons per day in the near term
 - This will allow for projected development within the service area
- HRSD is looking at alternatives to provide wastewater service into the future

