



**MIDDLE PENINSULA
PLANNING DISTRICT COMMISSION**

COMMISSIONERS

Essex County

*Mr. R. Gary Allen
Hon. Margaret H. Davis
Mr. A. Reese Peck
Hon. Edwin E. Smith, Jr.
(Chairman)*

Town of Tappahannock

*Mr. G. Gayle Belfield, Jr.
Hon. Roy M. Gladding*

Gloucester County

*Hon. Ashley C. Chriscoe
Ms. Brenda Garton
Dr. Maurice P. Lynch
Hon. Michael R. Winebarger*

King and Queen County

*Hon. Sherrin C. Alsop
Hon. James M. Milby, Jr.
Mr. Thomas J. Swartzwelder*

King William County

*Hon. Travis J. Moskalski
Mr. Eugene J. Rivara
Hon. Otto O. Williams
(Vice Chairman)*

Town of West Point

Hon. Paul T. Kelley

Mathews County

*Hon. O. J. Cole, Jr.
(Treasurer)
Mr. Thornton Hill
Hon. Charles E. Ingram*

Middlesex County

*Mrs. Trudy V. Feigum
Hon. Wayne H. Jessie, Sr.
Hon. John D. Miller, Jr.*

Town of Urbanna


Hon. Steve Hollberg

Secretary/Director

Mr. Lewis L. Lawrence

MEMORANDUM

TO: MPPDC Board of Commissioners

FROM: Lewis Lawrence, Executive Director 

DATE: April 15, 2015

RE: April Commission Meeting

The Middle Peninsula Planning District Commission will host its monthly meeting on Wednesday, April 22, 2015, at 7:00 p.m. in the Regional Board Room at the Middle Peninsula Planning District Commission office in Saluda.

Enclosed are the April meeting agenda and supporting materials for your review prior to the meeting.

If you have any questions concerning material in your agenda packet, please give me a call at 804-758-2311 or email me at LLawrence@mppdc.com.

I look forward to seeing you on April 22nd!

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***Middle Peninsula Planning District Commission
Meeting***

7:00 P.M.

Wednesday, April 22, 2015

125 Bowden Street

Saluda VA 23149

- I. Welcome and Introductions
- II. Approval of March Minutes
- III. Approval of March Financial Reports
- IV. Executive Director's Report on Staff Activities for the Month of April
- V. Public Comment

AGENDA ITEMS FOR DISCUSSION

- VI. Presentation on the State Water Resource Plan – *Tammy D. Stephenson, Office of Water Supply, Virginia Department of Environmental Quality*
- VII. Report of the Executive Committee
- VIII. Other Business
- IX. Adjournment

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MIDDLE PENINSULA PLANNING DISTRICT COMMISSION

March 25, 2015
Saluda, Virginia

The monthly meeting of the Middle Peninsula Planning District Commission was held in the Regional Board Room at the Middle Peninsula Planning District Commission office in Saluda, Virginia on Wednesday, March 25, 2015, at 7:00 p.m. MPPDC Vice Chairman Otto Williams (King William County) called the meeting to order and welcomed everyone in attendance.

Commissioners in attendance were: (Essex County) A. Reese Peck; (Gloucester County) Brenda Garton, Dr. Maurice Lynch, and Michael Winebarger; (King William County) Eugene Rivara and Travis Moskalski; (Mathews County) O. J. Cole, Jr. and Thornton "Tim" Hill; and (Middlesex County) Trudy Feigum.

Guests in attendance were Delegate Keith Hodges, 98th District, and Matt Walker, Middlesex County Administrator, and citizens from the region. Middle Peninsula Planning District Commission staff in attendance were Executive Director Lewis Lawrence, Finance Director Beth Johnson, and Secretary Rose Lewis.

Approval of January Minutes

Vice Chairman Williams asked whether there were any corrections or changes to the January Minutes. There were no corrections or changes to the January Minutes. Vice Chairman Williams requested a motion to approve the January Minutes as distributed. Travis Moskalski moved that the January Minutes be approved as distributed. Trudy Feigum seconded the motion; motion carried.

Approval of January and February Financial Reports

Vice Chairman Williams asked whether there were any questions regarding the January and February financial reports before being approved subject to audit. There were no questions. Vice Chairman Williams requested a motion to approve the January and February financial reports subject to audit. Eugene Rivara moved to approve the January and February reports subject to audit. Travis Moskalski seconded the motion; motion carried.

Executive Director's Report on Staff Activities for the Months of February and March

Vice Chairman Williams requested Lewis Lawrence, Middle Peninsula Planning District Commission Executive Director, to review the Executive Director's Report on Staff Activities for the months of February and March. The Executive Director's Report on staff activities is developed at a monthly staff meeting, organized by PDC Service Centers, and the activities are used to report grant funding activities.

Mr. Lawrence reviewed the Executive Director's Report for the month of March as follows:

MPPDC Minutes

March 25, 2015

Page 2

- As the All Hazards Mitigation Plan is updated, Committee members from Middle Peninsula localities will have the opportunity to review the updates and provide feedback. Below is table that depicts the plan’s sections, when section feedback from localities is due, and the localities that have provided feedback. Most recently, Section 1 which is the introduction to the plan has been updated and sent out to the All Hazard Mitigation Plan (AHMP) Committee for review. The Appendices are also being updated with information. (X= Feedback Received/Completed)

| SECTION | TITLE | Section Feedback Due | Counties | | | | | | Towns | | |
|---------|--|----------------------|----------|---------|-----------|--------------|--------------|------------|------------|---------|--------------|
| | | | Essex | Mathews | Middlesex | King William | King & Queen | Gloucester | West Point | Urbanna | Tappahannock |
| 1 | Intro | 3/24/2015 | | | | | | | | | |
| 2 | Planning Process | TBD | | | | | | | | | |
| 3 | Community Profile | 2/20/2015 | | | X | X | X | X | X | X | |
| 4 | Hazard Identification | TBD | | | | | | | | | |
| 5 | Risk Assessment Analysis (HAZUS) | TBD | | | | | | | | | |
| 6 | Capability Assessment | TBD | | | | | | | | | |
| 7 | Review of 2010 Strategies | TBD | | | | | | | | | |
| 8 | Mitigation Goals, Objects and Strategies | TBD | | | | | | | | | |
| 9 | Implementation Plan | TBD | | | | | | | | | |
| 10 | Plan Adoption | TBD | | | | | | | | | |
| 11 | Plan Maintenance | TBD | | | | | | | | | |
| 12 | Appendices | TBD | | | | | | | | | |

- Consulted with Joan Salvati, Manager-Office of Local Government Programs DEQ - Water Division, concerning local government stormwater responsibility as it relates to Delegate Hodges’ legislation that allows local government to choose between administering a stormwater program locally or returning the program to the state. Discussed Chesapeake Bay Act requirements and how those requirements set into motion certain stormwater local responsibilities.
- Coordinated with Delegate Keith Hodges to convene a meeting of the Middle Peninsula Mayors and Chairs Caucus to discuss the formation of a regional strategy to address economic development into the future.

Public Comment

Vice Chairman Williams opened the meeting for public comments. There were no public comments.

Vice Chairman Williams closed the public comments period.

**Note: All handouts distributed at meeting or emailed are added to the Commission Meeting folder.*

General Assembly Update and Legislative Discussion

Delegate Keith Hodges, 98th District, gave an update on the 2015 General Assembly session. Delegate Hodges said 2,300 bills were introduced; \$1 billion was cut from the budget; funds were added for state troopers, teachers, K-12 education, and mental health services; and \$125 million was added to the rainy day fund. Legislation introduced included Living Shoreline Revolving Loan Fund, drinking water supply, and aquifer protection.

Delegate Hodges said a meeting with the Middle Peninsula Chairs of the Board of Supervisors and Town Mayors will be held on April 29th to discuss future economic development in the Middle Peninsula. Delegate Hodges announced he is Chair of the Rappahannock River Basin Committee.

Discussion was held regarding industrial waste study, better working conditions, and raises for teachers.

Adoption of CDBG Regional Priorities

Middle Peninsula PDC Executive Director Lewis Lawrence said the Department of Housing and Community development (DHCD) is requesting each Planning District Commission to submit a 2015 Virginia Community Development Block Grant (CDBG) Program Regional Priorities list. This list will be used in scoring of proposals submitted by local governments for CDBG funding. There are nine areas for which local governments can apply: Comprehensive Community Development, Economic Development-Job Creation and Retention, Economic Development-Site Redevelopment, Economic Development-Development Readiness, Economic Development-Business District Revitalization, Housing-Housing Rehabilitation, Housing-Housing Production Assistance, Community Facility, and Community Service Facility. The MPPDC has to rank the priorities with #1 being the highest and #3 being the lowest – there can be no more than 3 areas selected for each priority level.

The MPPDC Board of Commissioners ranked the 2015 Regional Priorities as follows:

Priority 1

Comprehensive Community Development
Economic Development-Job Creation and Retention
Economic Development-Development Readiness

Priority 2

Community Facility
Economic Development-Business District Revitalization
Community Service Facility

Priority 3

Economic Development-Site Redevelopment

Housing-Housing Rehabilitation

Housing-Housing Production Assistance

Mr. Matt Walker, Middlesex County Administrator, said Middlesex County will most likely submit a proposal for water and sewer infrastructure in Deltaville.

Adoption of Rural Transportation Program FY 16 Scope of Work

Mr. Lewis Lawrence, MPPDC Executive Director, said the Virginia Department of Transportation (VDOT) allocates part of the State Planning and Research (SPR) funding to provide annual transportation planning assistance in the Middle Peninsula. From July 1, 2015 through June 30, 2016, SPR funds in the amount of \$58,000 will be made available to the MPPDC. MPPDC has developed a Scope of Work and will provide a local match of \$14,500 to conduct rural transportation planning and other activities.

Vice Chairman Williams requested a motion to approve the Scope of Work and adopt the Resolution Directing Staff to Assist the VA Dept. of Transportation in Transportation Related Matters for the Middle Peninsula Planning District as Necessary in Compliance with the Provision of 23 U.S.C.135. Dr. Maurice Lynch moved to approve the Scope of Work and adopt the Resolution. Tim Hill seconded the motion; motion carried.

Vice Chairman Williams requested all in favor by signifying Aye:

| | |
|------------------------|---------------------|
| A. Resse Peck-Aye | Eugene Rivara-Aye |
| Brenda Garton-Aye | Otto Williams-Aye |
| Dr. Maurice Lynch-Aye | O. J. Cole, Jr.-Aye |
| Michael Winebarger-Aye | Tim Hill-Aye |
| Travis Moskalski-Aye | Trudy Feigum-Aye |

VDOT Transportation Funding Update-HB2 and SB1887

Mr. Lewis Lawrence, MPPDC Executive Director, said House Bill 2 (HB2) involves tax dollars that are invested for transportation projects in Virginia. After projects are scored, the Commonwealth Transportation Board (CTB) will select projects to be funded. After funding has been applied, new projects that are developed may be implemented. VDOT is still finalizing the process. MPPDC will continue to update the Commission and localities as the process becomes more clear, but it is apparent that the PDCs will have an active role in recommending and scoring projects to be submitted to the CTB for funding.

Discussion was held regarding county participation with projects, recommendations to MPPDC from VDOT, and PDCs role as to reviewing and prioritizing projects.

Discussion and Consideration of University Partnership Report

The draft University Partnership Report was distributed at the January meeting. The Report identified critical barriers to economic growth in the Middle Peninsula. At that time, MPPDC Executive Director Mr. Lewis Lawrence requested that the Board members read the report and discussion would be at the next meeting.

The MPPDC and the Virginia Sea Grant are partnering with Virginia universities regarding economic challenges that face the Middle Peninsula region. Meetings have been held with nine focus groups with representatives from businesses throughout the Middle Peninsula to discuss needs of the private sector economy. A draft MOU has been prepared.

Mr. Lawrence directed the Board members attention to the news release regarding Governor McAuliffe’s announcing Partnerships to Leverage Public Higher Education for Economic Development. Mr. Lawrence requested they read it at their leisure.

Discussion was held regarding the Tidewater RC&D (Resource Conservation and Development) Council and its future role as the Regional Economic Development organization for the Middle Peninsula.

Vice Chairman Williams requested a motion to adopt the University Partnership Report. Tim Hill moved to adopt the University Partnership Report. Travis Moskalski seconded the motion; motion carried.

Vice Chairman Williams requested all in favor by signifying Aye:

| | |
|------------------------|---------------------|
| A. Resse Peck-Aye | Eugene Rivara-Aye |
| Brenda Garton-Aye | Otto Williams-Aye |
| Dr. Maurice Lynch-Aye | O. J. Cole, Jr.-Aye |
| Michael Winebarger-Aye | Tim Hill-Aye |
| Travis Moskalski-Aye | Trudy Feigum-Aye |

Report of the Executive Committee

Vice Chairman Williams said the report of the Executive Committee is tabled until the April meeting.

Other Business

1. Mr. Lewis Lawrence said more veterans in rural Virginia and the Eastern Shore, may be eligible to seek health care outside the Veterans Affairs system. The change involves the Veterans Choice Program. It allows eligible veterans to seek care at preapproved sites if they live 40 miles from a VA medical facility or wait longer than 30 days for an appointment. Previously the 40 mile limit was calculated as “the crow flies”, but will now be travel distance by road. Mr. Lawrence said an article was written in the *Daily Press*, “VA Tweaks 40-Mile Rule for Vets Seeking Care.” Congressman Rob Wittman, Senator Mark Warner, and Tim Kaine assisted with this matter regarding health care for veterans.
2. Dr. Maurice Lynch said many medical facilities are using the same medical information system. This gives the individual more freedom to go to any medical facility and have their medical records accessed.
3. Mr. Matt Walker, Mathews County Administrator, gave an update on Mr. John “Jack” Miller’s surgery. Mr. Walker said that Mr. Miller thanks everyone for their cards, calls, and prayers and he is doing very well.

Adjourn

MPPDC Vice Chairman requested a motion to adjourn. Travis Moskalski moved to adjourn. Tim Hill seconded the motion; motion carried.

MPPDC Vice Chairman Williams adjourned the meeting.

COPY TESTE:

(Secretary)

Project Financial Report

Middle Peninsula Planning District Commission

Run Date: 04/07/2015
 Run Time: 11:13:53 am
 Page 1 of 1

Period Ending: 03/31/15

| | | Expenditures | | | | | | |
|----------------|--------------------------|---------------------|------------------|---------------------|-------------------|---------------|---------------------|-------------------|
| Code | Description | Budget | Curr Month | Project Total | Un/Over | % Budget | Revenues | Balance |
| 30010 | Local PAA Stewardship/ | 17,000.00 | 425.00 | 16,619.18 | 380.82 | 97.76% | 17,000.00 | 380.82 |
| 30013 | EE&CBG Project | 3,894.00 | 33.22 | 2,909.60 | 984.40 | 74.72% | 2,957.71 | 48.11 |
| 30015 | Tappahannock Comp Plan | 11,200.00 | -1.03 | 12,952.58 | -1,752.58 | 115.65% | 13,700.00 | 747.42 |
| 30016 | Essex Comp Plan Update | 27,675.00 | -5.50 | 27,772.08 | -97.08 | 100.35% | 28,700.00 | 927.92 |
| 30017 | King and Queen Fishing P | 2,500.00 | 4.36 | 2,532.46 | -32.46 | 101.30% | 996.42 | -1,536.04 |
| 30018 | FY15 Local Programs | 171,223.00 | 19,869.92 | 106,018.36 | 65,204.64 | 61.92% | 170,352.63 | 64,334.27 |
| 30019 | Urbanna Foundation | 6,000.00 | 833.62 | 3,748.02 | 2,251.98 | 62.47% | 3,000.00 | -748.02 |
| 30020 | Middlesex Boat Ramp | 2,000.00 | 2,356.30 | 2,356.30 | -356.30 | 117.82% | 0.00 | -2,356.30 |
| 30104 | MP-VSG Univ. Partner | 44,000.00 | 999.68 | 38,685.18 | 5,314.82 | 87.92% | 35,892.26 | -2,792.92 |
| 30105 | EDA Broadband - In-kind | 63,161.00 | 4,308.82 | 63,408.75 | -247.75 | 100.39% | 40,901.15 | -22,507.60 |
| 30106 | MPRJ Flash Freeze Study | 90,000.00 | 1,859.22 | 10,318.01 | 79,681.99 | 11.46% | 4,747.70 | -5,570.31 |
| 30170 | MPBDP FY12 Staff Sup | 13,830.00 | 281.32 | 13,901.91 | -71.91 | 100.52% | 16,345.37 | 2,443.46 |
| 30210 | FY15 Transportation Dem | 94,000.00 | 6,215.20 | 64,966.83 | 29,033.17 | 69.11% | 59,495.55 | -5,471.28 |
| 30312 | FY15 Rural Transportati | 72,500.00 | 6,936.97 | 52,684.44 | 19,815.56 | 72.67% | 37,054.37 | -15,630.07 |
| 30420 | Onsite Loan Management | 118,932.85 | 348.10 | 114,878.11 | 4,054.74 | 96.59% | 118,004.63 | 3,126.52 |
| 30423 | VCWRFR Onsite Fund | 82,500.00 | 0.00 | 79,970.21 | 2,529.79 | 96.93% | 100,435.44 | 20,465.23 |
| 30441 | Septic Pumpout & Ordinar | 12,680.00 | 1,012.47 | 1,833.88 | 10,846.12 | 14.46% | 0.00 | -1,833.88 |
| 30502 | Water Supply Planning | 111,805.89 | 0.00 | 111,805.89 | 0.00 | 100.00% | 153,950.00 | 42,144.11 |
| 31002 | GA Lobby FY09 | 18,247.75 | 0.00 | 18,247.75 | 0.00 | 100.00% | 24,000.00 | 5,752.25 |
| 31201 | AHMP Update 2014 | 130,010.00 | 3,360.48 | 56,158.97 | 73,851.03 | 43.20% | 26,821.46 | -29,337.51 |
| 31202 | Emergency Planner | 110,000.00 | 6,528.96 | 21,737.23 | 88,262.77 | 19.76% | 0.00 | -21,737.23 |
| 32010 | FY15 PAA Staff Support | 7,000.00 | 455.19 | 7,614.11 | -614.11 | 108.77% | 7,119.16 | -494.95 |
| 32011 | PAA Altruistic Giving | 40,000.00 | 3,015.22 | 16,605.00 | 23,395.00 | 41.51% | 0.00 | -16,605.00 |
| 32012 | PAA Capt Sinclair Impr | 39,977.00 | 214.29 | 214.29 | 39,762.71 | 0.54% | 0.00 | -214.29 |
| 32127 | FY14_Coastal TA | 60,000.00 | 0.00 | 60,047.29 | -47.29 | 100.08% | 60,000.00 | -47.29 |
| 32128 | LWQ III FY14 | 47,022.00 | -38.78 | 47,947.83 | -925.83 | 101.97% | 47,022.00 | -925.83 |
| 32129 | Water Reuse | 22,535.00 | 8.94 | 21,682.24 | 852.76 | 96.22% | 21,967.05 | 284.81 |
| 32130 | Aberdeen TIF | 40,000.00 | -27.10 | 40,587.46 | -587.46 | 101.47% | 40,000.00 | -587.46 |
| 32132 | FY15 Coastal TA | 43,602.00 | 2,474.34 | 25,147.03 | 18,454.97 | 57.67% | 12,571.27 | -12,575.76 |
| 32133 | NFWF Living Shorelines I | 222,267.00 | 2,646.66 | 14,563.44 | 207,703.56 | 6.55% | 1,456.18 | -13,107.26 |
| 32134 | 309 Ditching | 40,000.00 | 3,705.16 | 16,733.65 | 23,266.35 | 41.83% | 0.00 | -16,733.65 |
| 32207 | Working Waterfronts Pl | 50,000.00 | 3,303.45 | 17,380.63 | 32,619.37 | 34.76% | 0.00 | -17,380.63 |
| 32208 | VIMS WWF | 5,000.00 | -17.24 | 4,898.75 | 101.25 | 97.98% | 0.00 | -4,898.75 |
| Totals: | | <u>1,820,562.49</u> | <u>71,107.24</u> | <u>1,096,927.46</u> | <u>723,635.03</u> | <u>60.25%</u> | <u>1,044,490.35</u> | <u>-52,437.11</u> |

Balance Sheet by Category

Middle Peninsula Planning District Commission

Run Date: 4/7/15
Run Time: 11:23:09 am
Page 1 of 1

Period Ending: 03/31/15
Format: 1 Board

Assets:

| | |
|----------------------|------------|
| Cash in Bank | 530,159.16 |
| Receivables | 253,897.02 |
| Property & Equipment | 7,037.71 |

Total Assets:

\$791,093.89

Liabilities:

| | |
|-------------------------|------------|
| Accounts Payable | 1,555.53 |
| VRA Loan Payables | 131,685.44 |
| Payroll Withholdings | -137.36 |
| Accrued Leave | 43,127.56 |
| Cost Allocation Control | 4,942.77 |

Total Liabilities:

\$181,173.94

Equity:

| | |
|---|------------|
| Local Initiatives/Information Resources | 61,931.90 |
| Economic Development | -22,857.10 |
| Transportation Programs | -21,101.35 |
| Emergency Management Projects | -21,737.23 |
| Onsite Repair & Pumpout | 21,760.76 |
| Housing | 48.66 |
| Coastal Community & Environmental | -82,791.11 |
| Public Access Auth Programs | -494.95 |
| Mandates | 12,811.91 |
| Temporarily Restricted | 188,479.87 |
| General Fund Balance | 473,868.59 |

Total Equity:

\$609,919.95

Total Liabilities and Equity

\$791,093.89

Balance:

\$0.00

Agencywide R&E by Category

Middle Peninsula Planning District Commission

Run Date: 04/07/2015
 Run Time: 11:25:30 am
 Page 1 of 1

Period Ending: 03/31/15
 Format: 1 Agencywide R&E
 With Indirect Cost Detail

| Code & Description | Budget | Current | YTD | Un/Ovr | % Bud |
|------------------------------|-------------------|-------------------|-------------------|-------------------|---------------|
| Revenues | | | | | |
| Local Match | 76,319.00 | 15,627.48 | 54,063.55 | 22,255.45 | 70.84% |
| Local Annual Dues | 109,899.00 | 0.00 | 109,899.00 | 0.00 | 100.00% |
| Local Other Revenues | 5,926.01 | 0.00 | 54,225.79 | -48,299.78 | 915.05% |
| Local Other Organizations | 7,000.00 | 1,301.60 | 14,866.86 | -7,866.86 | 212.38% |
| State Revenues | 168,782.16 | 0.00 | 117,042.65 | 51,739.51 | 69.35% |
| Federal Revenues | 291,618.00 | 0.00 | 124,723.37 | 166,894.63 | 42.77% |
| Miscellaneous Income | 10,050.00 | 171.25 | 5,207.78 | 4,842.22 | 51.82% |
| RevolvingLoan Program Income | 14,699.00 | 821.50 | 14,240.99 | 458.01 | 96.88% |
| Revenues | 684,293.17 | 17,921.83 | 494,269.99 | 190,023.18 | 72.23% |
| Expenses | | | | | |
| Personnel | 410,566.00 | 47,200.51 | 357,370.19 | 53,195.81 | 87.04% |
| Facilities | 27,663.00 | 2,635.35 | 20,724.50 | 6,938.50 | 74.92% |
| Communications | 3,925.00 | 258.94 | 3,040.61 | 884.39 | 77.47% |
| Equipment & Supplies | 6,000.00 | 207.49 | 2,468.72 | 3,531.28 | 41.15% |
| Travel | 6,442.00 | 1,262.65 | 4,675.10 | 1,766.90 | 72.57% |
| Professional Development | 14,715.00 | 56.98 | 10,091.80 | 4,623.20 | 68.58% |
| Contractual | 61,750.00 | 1,306.10 | 55,699.29 | 6,050.71 | 90.20% |
| Miscellaneous | 49,535.00 | 2,551.81 | 38,552.29 | 10,982.71 | 77.83% |
| Regional Share | 76,319.00 | 15,627.48 | 54,076.04 | 22,242.96 | 70.86% |
| Expenses | 656,915.00 | 71,107.31 | 546,698.54 | 110,216.46 | 83.22% |
| Agency Balance | 27,378.17 | -53,185.48 | -52,428.55 | | |

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Middle Peninsula Planning District Commission



MPPDC General Fact Sheet

WHAT IS MPPDC?

The Middle Peninsula Planning District Commission (MPPDC) was established pursuant to the Virginia Area Development Act (Title 15.1, Chapter 34, Sections 15.1-1400, et seq., Code of Virginia (1950) as amended) and by joint resolutions of the governing bodies of its constituent member jurisdictions.

The "MPPDC" describes the geographic section of Virginia which encompasses the Counties of Essex, Gloucester, King and Queen, King William, Mathews and Middlesex and the Towns of Tappahannock, Urbanna and West Point.

BACKGROUND

The Agreement to organize a Planning District Commission was made on January 31, 1972, by and between the government subdivisions as authorized by the Virginia Area Development Act.

WHAT DOES MPPDC DO?

The purpose of the Commission is to promote the orderly and efficient development of the physical, social, and economic elements of the Planning District by planning and encouraging and assisting governmental subdivisions to plan for the future.

HOW ARE DECISIONS MADE AT MPPDC?

Decision-making occurs through the Middle Peninsula Planning District Commission, a governing body comprised of elected officials, citizens, and chief administrative officers representing the six counties and three towns in the region.

QUICK FACTS

Region at Glance

- Six Counties: Essex, Gloucester, King & Queen, King William, Mathews and Middlesex
- Three Towns: West Point, Urbanna, and Tappahannock
- 1,387 Square Miles
- 1,055 Miles of Shoreline

➤ 888,064 Acres of Land

➤ 90,826 People

➤ \$567 Average Weekly Wage (State=\$952)

➤ 71% Out Commute Rate

By the Numbers

➤ 1.1% Total State Population

➤ \$50,001 Median Household Income



For More Information:

MPPDC
P.O. Box 286
Saluda Professional Center
125 Bowden Street
Saluda, Virginia 23149
Phone: 804-758-2311

Please visit the MPPDC website at:

www.mppdc.com

Regional Profile:

All data is from Census 2000 and Census 2010 unless otherwise stated

| Population Trends | | | | Median Household Income and Unemployment Rate ¹ | | | |
|----------------------|------------------|---------------|----------------------------------|--|-----------------|-----------------------------|-------------|
| Locality | Total Population | | Population Growth from 2000-2010 | Median Income Estimates | | Unemployment Rate Estimates | |
| | 2000 | 2010 | | 2006-2010 | 2007-2011 | 2006-2010 | 2007-2011 |
| Essex | 9,989 | 11,151 | 12% | \$46,235 | \$44,581 | 9.0% | 8.2% |
| Gloucester | 34,780 | 36,858 | 6% | \$58,389 | \$60,269 | 6.5% | 5.9% |
| King & Queen | 6,630 | 6,945 | 5% | \$44,442 | \$48,170 | 8.6% | 7.4% |
| King William | 13,146 | 15,935 | 21% | \$64,964 | \$64,982 | 7.3% | 6.7% |
| Mathews | 9,207 | 8,978 | -2% | \$47,435 | \$54,118 | 5.9% | 6.0% |
| Middlesex | 9,932 | 10,959 | 10% | \$50,207 | \$53,615 | 7.4% | 6.4% |
| Town of Tappahannock | 2,138 | 2,375 | 11.1% | \$39,149 | \$35,313 | 6.6% | 7.6% |
| Town of Urbanna | 543 | 476 | -12.3% | \$44,813 | \$45,682 | 1.5% | 4.5% |
| Town of West Point | 2,866 | 3,306 | 15.4% | \$51,979 | \$52,768 | 7.4% | 9.5% |
| Region Total | 83,684 | 90,826 | 9% | \$49,735 | \$51,055 | 7.6% | 6.5% |

| Race in the Middle Peninsula | | | | | | | | | | | | |
|------------------------------|---------------|---------------|----------------|---------------|---------------|----------------|------------|------------|----------------|--------------|--------------|----------------|
| Locality | White | | | Black | | | Asian | | | Other | | |
| | 2000 | 2010 | Percent Change | 2000 | 2010 | Percent Change | 2000 | 2010 | Percent Change | 2000 | 2010 | Percent Change |
| Essex | 5,790 | 6,370 | 10% | 3,900 | 4,247 | 9% | 81 | 86 | 6% | 218 | 448 | 106% |
| Gloucester | 30,148 | 32,149 | 7% | 3,585 | 3,197 | -11% | 240 | 286 | 19% | 807 | 1,226 | 52% |
| King and Queen | 4,059 | 4,663 | 15% | 2,365 | 1,975 | -16% | 18 | 17 | -6% | 188 | 290 | 54% |
| King William | 9,703 | 12,297 | 27% | 2,999 | 2,819 | -6% | 48 | 118 | 146% | 396 | 701 | 77% |
| Mathews | 8,038 | 7,898 | -2% | 1,036 | 823 | -21% | 17 | 31 | 82% | 116 | 226 | 95% |
| Middlesex | 7,797 | 8,680 | 11% | 1,999 | 1,978 | -1% | 12 | 37 | 208% | 124 | 264 | 113% |
| Regional Total | 65,535 | 72,057 | 10% | 15,884 | 15,039 | -5% | 416 | 575 | 38% | 1,849 | 3,155 | 71% |

| FY15 Locality Budget Data | | | | | | | |
|---------------------------|---------|--------------------------------------|------------------------|--------------------|----------------------------|------------------------|-----------------------|
| Locality | Raise % | Compensation Notes | Real Property Increase | Real Property Rate | Personal Property Increase | Personal Property Rate | Other |
| Essex | 2% | | \$0.02 | \$0.86 | \$0.25 | \$3.75 | \$35/\$25 Vehicle tax |
| Gloucester | 3% | Bonus for lower scale employees only | None | \$0.65 | None | \$2.95 | |
| King and Queen | 0% | | None | \$0.54 | None | \$3.94 | |
| King William | 2% | | \$0.03 | \$0.82 | None | \$9.65 | |
| Mathews | 2% | | \$0.07 | \$0.54 | \$0.05 | \$3.70 | |
| Middlesex | 2% | Step Inc. w/ evaluation; No COLA | \$0.05 | \$0.53 | None | \$3.50 | |

¹ Data from the Bureau of Labor Statistics Local Area Unemployment data & the American Community Survey 5-year Estimates

MIDDLE PENINSULA PLANNING DISTRICT COMMISSION

Staff Activities Service Summary of Regional Progress

| Locality | Core Services Administered by the MPPDC | | | | | | | |
|-------------------------|---|--|----------------|------------------------------|-------------------------|-------------------|---------|-------------------------|
| | Information Resources/ Assistance | Coastal Community Development/ Environmental | Transportation | Onsite Repair and Pumpout | Economic Development | Local Initiatives | Housing | Emergency Management |
| Region-wide | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Essex | | ✓ | ✓ | ✓ | | | | |
| Gloucester | | ✓ | ✓ | ✓ | | | | |
| King & Queen | | ✓ | ✓ | ✓ | | ✓ | | |
| King William | | ✓ | | ✓ | | | | |
| Mathews | | ✓ | | ✓ | | ✓ | | |
| Middlesex | | ✓ | ✓ | ✓ | | ✓ | | |
| Town of Tappahannock | | | | | | | | |
| Town of West Point | | ✓ | ✓ | | | | | |
| Town of Urbanna | | | | | | ✓ | | |
| Other | | | | | | ✓ | | |

Report on Mandated Initiatives

| Locality | Water Supply Plan Support Staff: Lewie Start Date: 7/2008 Completion Date: 6/2011 | | All-Hazards Mitigation Plan Update Support Staff: Harrison Start Date: 1/2014 Completion Date: 12/2016 | |
|-------------------------|--|-----------------|---|----------------|
| | Participating | Current Status | Participating | Current Status |
| Essex | ✓ | Found Compliant | ✓ | In Progress |
| Gloucester | NA | NA | ✓ | In Progress |
| King & Queen | ✓ | Found Compliant | ✓ | In Progress |
| King William | ✓ | Found Compliant | ✓ | In Progress |
| Mathews | ✓ | Found Compliant | ✓ | In Progress |
| Middlesex | ✓ | Found Compliant | ✓ | In Progress |
| Town of Tappahannock | ✓ | Found Compliant | ✓ | In Progress |
| Town of West Point | ✓ | Found Compliant | ✓ | In Progress |
| Town of Urbanna | ✓ | Found Compliant | ✓ | In Progress |

Opportunities Identified to Implement Commission Priorities

| Service Center | Project Title and Description | Funding Requested | Status |
|----------------|---|-------------------|------------|
| Transportation | DRPT – Update Long Range TDM Plan | \$16,000 | Funded |
| Environmental | CZM – Working Waterfronts Coalition | \$50,000 | Funded |
| Environmental | CZM –FY15 Coastal Technical Assistance | \$30,000 | Funded |
| Environmental | River Counties Community Foundation Septic Repair Assistance Grant to LMI homeowners | \$5,000 | Not Funded |
| Environmental | NFWF – CBSF – SWG - Septic Repair Funding | \$115,753 | Not Funded |
| Environmental | NFWF –CBSF – SWG - Living Shorelines Incentive Program | \$200,000 | Funded |
| Environmental | NFWF – CBSF - SWG | \$170,000 | Not Funded |
| Environmental | NFWF TA Service Provider | n/a | Approved |
| Environmental | CZM – Sinclair Landing Improvements – Pier & Landscaping | \$40,000 | Funded |
| Environmental | USDA RD HPG –Septic Repair Funding | \$150,000 | Submitted |
| Economic Dev | USDA – Farmers Market Marketing Plan | \$48,016 | Not funded |
| Emergency Mgmt | VDEM – Regional Emergency Planner | \$110,000 | Funded |
| Environmental | VMRC – King and Queen Fishing Pier | \$136,853.25 | Funded |
| Environmental | Dominion Foundation – Urbanna Creek Living Shoreline | \$25,000 | Funded |
| Economic Dev | USDA RBEG – Flash Freeze Program – MPRJA | \$90,000 | Funded |
| Environmental | VASG/ODU/MPPDC – Real Estate Training | n/a | Awarded |
| Economic Dev | DHCD – BCC – Middle Peninsula Regional Economic Development Organization | \$18,750 | Funded |
| Environmental | CZM – PAA Altruistic Giving | \$40,000 | Funded |
| Environmental | License Plate Grant - signage | \$900 | Submitted |
| Environmental | DEQ -Septic Pumpout and Ordinance Updates (Essex and Tappahannock) | \$12,688 | Funded |
| Environmental | DEQ - WQIP for Gwynns Island, Milford Haven and Piankatank Phase I IP Residential | \$257,420 | Not Funded |
| Environmental | CZM – Project of Special Merit – Mathews Ditching | \$115,000 | Not Funded |
| Economic Dev | VA Coop. Ext. – SET Grant – Capacity Building for Economic Development | n/a | Awarded |
| Economic Dev | EPA – Brownfields Grant | \$208,200 | Submitted |
| Environmental | River Counties Community Foundation Septic Repair Assistance – Middlesex LMI homeowners | \$10,000 | Submitted |
| Environmental | CZM – Flooding and Sea Level Rise | \$14,792 | Submitted |
| Environmental | CZM – MP Public Access Master Plan | \$40,000 | Submitted |
| Environmental | CZM – Ditch Mapping Database – Mathews | \$60,524 | Submitted |
| Environmental | CZM – Working Waterfronts – State Plan | \$50,000 | Submitted |
| MPCBPAA | River Counties Community Foundation - Land Acquisition Assistance | \$4,000 | Not Funded |
| MPCBPAA | License Plate Grant - signage | \$1,500 | Submitted |
| MPCBPAA | NEEF PAA GRA Capacity Building | \$5,000 | Submitted |

MPPDC ACRONYMS
April 2015

| | | | |
|----------|---|-----------------|--|
| ACH | Automated Clearing House | RBOG | Rural Business Opportunity Grant |
| AFID | Agricultural and Forestry Industries Development | RFP | Request for Proposal |
| AHMP | All Hazards Mitigation Plan | RLF | Revolving Loan Fund |
| BCC | Building Collaborative Communities Project | RTP | Rural Transportation Planning |
| BOS | Board of Supervisors | SERCAP | Southeast Rural Community Assistance Project |
| CBPA | Chesapeake Bay Preservation Area | SHSG | State Homeland Security Grant |
| CDBG | Community Development Block Grant | SWCD | Soil and Water Conservation District |
| CEDS | Comprehensive Economic Development Strategy | TIF | Tax Increment Financing |
| CIP | Capital Improvement Plan | TMDL | Total Maximum Daily Loads |
| CZMP | Coastal Zone Management Program | USDA | U.S. Department of Agriculture |
| DEQ | Department of Environmental Quality | VAPA | Virginia Planning Association |
| DGIF | Department of Game and Inland Fisheries | VAPDC | Virginia Association of Planning District Commissions |
| DHR | Department of Historic Resources | VAZO | Virginia Association of Zoning Officials |
| DHCD | Department of Housing and Community Development | VCP | Virginia Coastal Program |
| DMME | Department of Mines Minerals and Energy | VCZMP | Virginia Coastal Zone Management Program |
| DOE | Department of Energy | VDEM | Virginia Department of Emergency Management |
| DRPT | Department of Rail and Public Transportation | VDH | Virginia Department of Health |
| EDA | Economic Development Administration | VDOT | Virginia Department of Transportation |
| EECBG | Energy Efficiency and Conservation Block Grant | VDMME | Virginia Department of Mines, Minerals, and Energy |
| EPA | Environmental Protection Agency | VEE | Virginia Environmental Endowment |
| FEMA | Federal Emergency Management Agency | Vertical Assets | "Towers or other structures that hold cell, broadband and other equipment" |
| Fracking | Hydraulic Fracturing | VIMS | Virginia Institute of Marine Science |
| GIS | Geographic Information System | VMRC | Virginia Marine Resources Commission |
| HRPDC | Hampton Roads Planning District Commission | VOP | Virginia Outdoors Plan |
| LGA | Local Government Administrators | VRA | Virginia Resources Authority |
| LPT | Local Planning Team | VASG | Virginia Sea Grant |
| MOU | Memorandum of Understanding | VSMP | Virginia Stormwater Management Program |
| MPBA | Middle Peninsula Broadband Authority | VTA | Virginia Transit Association |
| MPCBPAA | Middle Peninsula Chesapeake Bay Public Access Authority | WIP | Watershed Implementation Plan |
| MPRSC | Middle Peninsula Regional Security Center | WQIF | Water Quality Improvement Fund |
| NHD | Natural Heritage Data | | |
| NFWF | National Fish and Wildlife Foundation | | |
| NOAA | National Oceanic and Atmospheric Administration | | |
| NPS | National Park Services | | |
| OLGA | On-line Grant Administration | | |
| PAA | Public Access Authority | | |
| RBEG | Rural Business Enterprise Grant | | |

**Middle Peninsula Planning District Commission
Executive Director's Report of Regional Progress
April 13, 2015**

MPPDC: Membership, Appointments, Committee Assignments, and Networks

Coastal Policy Team (CPT) - The CPT, whose members and alternates represent the Virginia Coastal Zone Management Program's key partners and eight planning district commissions, provides a forum for discussion and resolution of cross-cutting coastal resource management issues. Members serve on the team at the discretion of their agency or planning district commission director. The CPT recommends funding levels to the DEQ Director for coastal zone management projects. (MPPDC Staff 12 years +)

Congressman Robert Wittman's Fisheries Advisory Committee and Environmental Advisory Committee (MPPDC Staff 5 years +)

Virginia Sea Grant Program External Advisory Committee (EAC): The EAC provides stakeholder input on the strategic planning process, the research proposal review process, and on Commonwealth-wide trends and needs. The EAC is a diverse group of end-users including representatives from state agencies, the education community, coastal planning and management, the private sector, and NGOs. (MPPDC Staff 6 years+)

General Assembly Directed Study Panel: Aquaculture production activities; authority of local governments (MPPDC Staff- current)

The Association for Commuter Transportation (ACT) (Telework Council Secretary): ACT is the premier association for professionals and organizations whose focus is the delivery of commuting options and solutions for an efficient transportation system. The Telework Council is composed of employer representatives, regional transportation, air quality and planning officials, as well as state and local government officials concerned with promoting telework and providing telework information and technical assistance to employers (MPPDC Staff 7 years+)

Middle Peninsula Northern Neck Coordinated Human Services Mobility Committee: provides direction for a unified comprehensive strategy for transportation service delivery in the Middle Peninsula and Northern Neck Planning Districts focused on unmet transportation needs of seniors, people with disabilities, and people with low incomes. (MPPDC Staff 9 years)

The National Working Waterfront Networks- Outreach and Education committee: Provided education and outreach on national, state and local matters related to the preservation of working waterfronts.

The Coastal Society - The Coastal Society is an organization of private sector, academic, and government professionals and students. The Society is dedicated to actively addressing emerging coastal issues by fostering dialogue, forging partnerships, and promoting communications and education. (MPPDC staff serves as a Director)

MPPDC Staff and Contact Information

Executive Director: Lewis Lawrence

Contact Info: llawrence@mppdc.com (804) 758-2311x24 (804) 832-6747 (cell)
Programs: *Coastal Zone Technical Assistance, Local Initiatives, Public Access Authority*

Finance Director: Beth Johnson

Contact Info: bjohnson@mppdc.com (804) 758-2311x22
Programs: *Commuter/ Employer Transportation Services, Septic Repair & Pumpout Assistance, Revolving Loan Programs Administration, PDC Finance & Grants Administration*

Chief of Community Planning: Marquitrice Wright

Contact Info: mwright@mppdc.com (804) 758-2311x28
Programs: *Rural Transportation Planning, Local Community Planning Assistance*

Planner 2: Harrison Bresee

Contact Info: hbresee@mppdc.com (804) 758-2311x26 (757) 871-2245 cell
Programs: *Regional Emergency Planning, Public Access Authority*

Planner 2: Jackie Rickards

Contact Info: jrickards@mppdc.com (215) 264-6451 cell
Programs: *Environmental Programs, Graphic Arts*

Secretary: Rose Lewis

Contact Info: rlewis@mppdc.com (804) 758-2311x21
Programs: *Septic Pumpout Assistance, Facilities Scheduling*

Project 30502 Water Supply Planning

9 VAC 25-780 establishes a planning process and criteria that all local governments will use in the development of local or regional water plans. The plan will be reviewed by the Department of Environmental Quality and a determination will be made by the State Water Control Board on whether the plan complies with this regulation. Within five years of a compliance determination by the board, the plan will be reviewed to assess adequacy and any significant changes will require the submission of an amended plan and review by the board. All local programs will be reviewed, revised, and resubmitted to the Department of Environmental Quality every 10 years after the last approval. The jurisdictions of Essex, King and Queen, King William, Mathews, Middlesex, Tappahannock, Urbanna and West Point opted to prepare a regional plan with assistance from Middle Peninsula Planning District Commission staff and EEE Consulting, an environmental consulting firm. The Regional Plan was completed and submitted to the Virginia Department of Environmental Quality for compliance review by the November 2, 2011 deadline for Regional Plan submission.

Project 31201 Middle Peninsula All-Hazards Mitigation Plan Update

As a mandated requirement of the Disaster Mitigation Act of 2000, the 2016 All Hazards Mitigation Plan Update is designed to update the 2011 Middle Peninsula All Hazards Mitigation Plan (AHMP). The plan will address several natural hazards, including hurricanes, winter storms, tornadoes, coastal flooding, coastal/shoreline erosion, sea level rise, winter storms, wildfire, riverine flooding, wind, dam failures, drought, lightning, earthquakes, shrink-swell soils, extreme cold, extreme heat, landslides, land subsidence/karst, tsunami, and volcanoes.

- Corresponded with James Mawby, Dewberry, regarding the progress of the HAZUS assessment. Mr. Mawby mentioned that a draft HAZUS plan will be complete the week of April 6th.
- Received a proposal from Dewberry to add a sea level rise component to the HAZUS assessment. This component will include the bare minimum of the baseline scenarios and the maximum +6 feet scenario.
- Reached out to Bill Sammler, National Weather Service; Matthew Carpentier, Emergency Planner with the Virginia Department of Health; and Melissa Hall and Charles Kline, Virginia Department of Conservation and Recreation’s Floodplain Management Division, to expand the All-Hazards Mitigation Plan Steering Committee.
- Scheduled the next meeting of the All-Hazards Mitigation Plan Steering Committee for April 16, 2015 at 10am in Saluda. The agenda includes a review of completed hazards rankings, a HAZUS update, a timeline review, and a discussion of the public process.
- Drafted and submitted a quarterly progress report to the Virginia Department of Emergency Management.
- Corresponded with James Mawby, Dewberry, regarding the HAZUS analysis. To date, Dewberry has performed the risk analysis using FEMA’s HAZUS (version 2.2) software and has updated the FEMA flood insurance study. MPPDC staff has been provided a draft copy.
- As the All Hazards Mitigation Plan is updated, Committee members from Middle Peninsula localities will have the opportunity to review the updates and provide feedback. Below is a table that depicts the plan’s sections, when section feedback from localities is due, and the localities that have provided

feedback (marked with an “X”) (U= Underway). Currently the Planning Process, Hazards Identification and Appendices are also being updated with information.

| SECTION | TITLE | Status | Counties | | | | | | Towns | | |
|---------|--|------------------------|----------|---------|-----------|--------------|--------------|------------|------------|---------|--------------|
| | | | Essex | Mathews | Middlesex | King William | King & Queen | Gloucester | West Point | Urbanna | Tappahannock |
| 1 | Intro | Completed 3/24/2015 | | | | | | | X | | |
| 2 | Planning Process | Underway | | | | | | | | | |
| 3 | Community Profile | Completed 2/20/2015 | | | X | X | X | X | X | X | |
| 4 | Hazard Identification | Underway | | | | | | | | | |
| 5 | Risk Assessment Analysis (HAZUS) | Underway | | | | | | | | | |
| 6 | Capability Assessment | TBD | | | | | | | | | |
| 7 | Review of 2010 Strategies | TBD | | | | | | | | | |
| 8 | Mitigation Goals, Objects and Strategies | TBD | | | | | | | | | |
| 9 | Implementation Plan | TBD | | | | | | | | | |
| 10 | Plan Adoption | TBD | | | | | | | | | |
| 11 | Plan Maintenance | TBD | | | | | | | | | |
| 12 | Appendices | Underway | | | | | | | | | |

INFORMATION RESOURCES/ASSISTANCE

Services to provide critical assessment and thinking.....

- Updated www.mppdc.com website –meeting notices.

COASTAL COMMUNITY DEVELOPMENT/ ENVIRONMENTAL

Funding – VDEQ, VIMS, VDCR, local match from MPPDC General Fund & partners

Project 32010 Staff Support to Middle Peninsula Chesapeake Bay Public Access Authority (MPCBPAA)

Middle Peninsula Chesapeake Bay Public Access Authority Special Project – Support of Executive Order 23, Goal 8 Coastal Management Coordination Public Access: Continue implementation of adopted annual work program, including identifying land, either owned by the Commonwealth or private holdings that can be secured for use by the general public as a public access site; researching and determining ownership of all identified sites; determining appropriate public use levels of identified access sites; developing appropriate mechanism for transferring title of Commonwealth or private holdings to the Authority; developing appropriate

acquisition and site management plan. This Program allows the Authority to function by supporting the individual projects and operations of the Authority, as well as, by responding to daily requests for assistance from local government staff.

- Prepared vouchers, processed A/P, reconciled bank statements. Prepared monthly financial statements.
- Invoiced Gloucester Rowing Association for utility bills at Captain Sinclair Landing.
- Transferred restricted funds from LGIP to C&F Bank money market account. C&F offered interest rate of .4% as opposed to the .12% rate being offered by LGIP. Account holds assets from timber sales on 2 properties purchased with federal funds.
- Reviewed insurance renewal quote from VaCorp.
- Invoiced Middle Peninsula Land Trust for their share of legal costs for deed preparation for 4 parcels in Mathews County being donated to the PAA. The property transfer is being offered as match for CZM funding project 32012.
- Discussed Public Access master plan needs for Middlesex County with Matt Walker, Middlesex County Administrator. Discussed various approaches to determining ownership and use applicability for sites.
- Received a call from Kevin Wilson, Gloucester County Commissioner of Revenue, requesting a meeting to seek resolution concerning the Middle Peninsula Chesapeake Bay Public Access Authority being recognized as a tax exempt political subdivision.
- Attended the final public meeting for the VCU Planning Program Captain Sinclair's Recreational Area adaptive reuse plan. Discussed various proposed uses under the study. Arraigned for PAA Directors to be interviewed about final recommendation by the VCU graduate students.
- Consulted with Kirk Whiting, Virginia Interactive, concerning enhancement to the Middle Peninsula Chesapeake Bay Public Access Authority on-line reservation system. Modifications include offering one-time payment and enhanced exclusive reservation.
- Requested title search records for ownership of Lands End Subdivision roads within the Captain Sinclair's Recreation area from Morgan Abstracting. Provide Ted Wilmot, Gloucester County Attorney, with a letter of inquiry concerning the Gloucester Board of Supervisors position on roads created by approval of subdivision ordinance.
- Consulted with Delegate Keith Hodges and Tom Swartzwelder, King and Queen Administrator, concerning stormwater regulations and complications to Middle Peninsula economic development projects.

Project 32011 Public Access Authority Giving

This project proposes to develop a targeted land donation marketing campaign for Essex County and, secondarily, other Middle Peninsula localities. Further, the project proposes to research and develop a white paper detailing the costs and benefits (pros and cons) to localities for property that is donated.

- Prepared and submitted financial report and reimbursement request to CZM/DEQ.

- Contacted the Trust for Public Lands to request information on studies of public access investment and social return on public access holdings.
- Spoke at the Gloucester Ruritan Club meeting about private waterfront land donations for public benefit. Received an inquiry of possible donation of 10 acres on Adams Creek in Gloucester County for public access.
- Consulted with Janet Krenn, Professional Communicator developing localized donation message for Essex County. Reviewed project scope of work and discussed why and how private citizens make decisions to give for public benefit.
- Consulted with Peggy Sanner, Senior Legal Council for the Chesapeake Bay Foundation concerning financial assistance to facilitate waterfront land giving for public benefit.

32012 PAA Captain Sinclair Improvements

The Captain Sinclair's Recreational Area, with approximately 1 mile of waterfront on the Severn River in Gloucester County, VA, is a recent gift from a private landowner to the Middle Peninsula Chesapeake Bay Public Access Authority (MPCBPAA). The MPCBPAA is partnering with the MPPDC to develop an overall use plan for the property that is compatible with the existing natural coastal landscape. The project is centered around protecting and enhancing the local coastal landscape and minimizing wetland impacts associated with constructing a new public pier to improve the current "walk in and over the wetlands" as part of the existing public access to public waters on the site. A Native Coastal Landscape Design (NCLD) will radiate away from the public access pier. The design will include the purchase and installation of native plants to enhance the coastal landscape around the project site and an educational exhibit on native plants in the main house.

- Contacted Denise Greene of Sassafra Farm in Hayes, VA to ascertain her availability to provide services for the project. A meeting has been set to meet at the project site after which a contract for landscape design services will be drafted for approval by the Virginia Coastal Zone Management Program.
- Ordered materials for the construction of the 155 ft long x 8 ft wide open pile pier from Wood Preservers in Warsaw, VA, the wholesale distributor for the region. Materials ordered include lumber, bolts, washers and nails. The price quote given for lumber was reflective of a nonprofit project. A gangway to connect the pier to the floating dock was ordered from Atlantic Floating Docks of Cambridge, MD. Atlantic Floating Dock offered the lowest price for the gangway.
- Completed legal and title work for closing on donated Mathews County properties offered as project match. Donated properties include: (1) 18 acre parcel – Mathews tax map # 31-A-116B and (1) 3 acre parcel – Mathews tax map #31-A-200, known as Bethel Beach, and (2) parcels of 5.06 acres in aggregate – Mathews tax map #36-14-3&4, known as Winter Harbor.
- Prepared and submitted semiannual report and financial report/reimbursement request to CZM/DEQ.

Project 32132 Virginia Coastal Zone Management Program

This project provides ongoing support to member localities of the Planning District Commission and other stakeholders committed to improving community development and coastal management within the coastal zone.

- Drafted semi-annual report to be submitted to Coastal Zone Management.
- Prepared and submitted financial report and reimbursement request to CZM/DEQ.

- Met with Jay Paul, Photographer for Chesapeake Bay Magazine, looking for Middle Peninsula working waterfront sites to photograph for a May release story on Working Waterfronts and some of the unique work being conducted on the Middle Peninsula.
- Discussed adaptive planning and land use regulations to address sea level rise and repetitive flooding with John Shaw, Mathews County Planning Director. Discussed approaches to engage the Mathews Planning Commission to promote the use of transfer of development rights and density bonuses as strategies to encourage the relocation of homes from high hazard areas into less hazard areas while maintaining financial enhancements.
- Consulted with Kirk Whiting, Virginia Interactive, concerning enhancement to the Middle Peninsula Chesapeake Bay Public Access Authority on-line reservation system. Modifications include offering one-time payment and enhanced exclusive reservation.
- Discussed Chesapeake Bay Act Resources Protection Area delineation issue with Sara Richardson, Planner-King William County.
- Requested title search records for ownership of Lands End Subdivision roads within the Captain Sinclair’s Recreation area from Morgan Abstracting. Provide Ted Wilmot, Gloucester County Attorney, with a letter of inquiry concerning the Gloucester Board of Supervisors position on roads created by approval of subdivision ordinance.
 - Who holds the legal and equitable title to the platted roads identified as Lands End Road, Whittaker Drive, and The Corduroy/ Robins Neck Drive? Is Gloucester County the owner or does Gloucester County consider itself the owner? And if so, under what common law, statutory authority, or title transfer process did the County obtain legal and/or equitable title?
 - If the County determines it does not have legal and/or equitable title to these platted roads, what/who does have full title according to the County?
 - Does the County consider the platted roads a “remainder” from the original land parcel that was subdivided? If not, what parcel did the roads originate from?
 - If the Eastern Virginia Land Co. no longer exists, what role does the doctrine of escheatment, or Virginia’s laws of escheatment, play in the County’s determination of the ownership of the platted roads?
 - Were the surety bonds for these roads released by the County? If not, does the County still hold the bond to ensure completion of the roads (per the provisions of the 1965 Subdivision Ordinance)? If released, why?
- Discussed grant opportunities for recreational trail development with Janine Burns, Mathews County Board of Supervisors member.
- Attended the Environment Virginia conference held at Virginia Military Institute. Participated on a panel discussing how the Middle Peninsula PDC partners with the Virginia Coastal Policy Clinic, located at the College of William and Mary.
- Provided research assistance to the Town of West Point on a land use and septic modification problem. Discussed the issue with Dwayne Roadcap Director, Division of Onsite Sewage, Water Supplies, Environmental Engineering, and Marina Programs Virginia Department of Health. Provided the Town staff with several alternatives not previously discussed.

Project 32133 NFWF Living Shoreline

MPPDC received a grant from the National Fish and Wildlife Foundation to facilitate citizen-based resource stewardship to enhance coastal resilience and reduce vulnerability to growing risks from coastal storms, sea level rise, flooding and other threats to shorelines by encouraging Middle Peninsula waterfront homeowners, through access to low interest loans and/or grants and through education about living shorelines, to make informed decisions to install living shorelines to protect waterfront properties. The main emphasis of the project will be to design and implement a Living Shoreline Incentive Program (LSIP) to provide loans and/or grants to homeowners to install living shorelines on suitable waterfront properties. The project also includes the design of a Shoreline Management Plan (SMP) for the entire Captain Sinclair's Recreational Area shoreline and the design and installation of one lower Chesapeake Bay public waterfront demonstration project to provide consumers easily accessible publically owned living shoreline examples to inform their decision making. The investment of effort and resources in producing a Shoreline Management Plan will yield substantial benefits in facilitating decision-making on a variety of potential issues and uses of the site. A Living Shorelines Education Program will be developed to educate the public about the benefits of living shorelines. The Captains Sinclair's Recreation area site boasts an 8,000 sq. ft. waterfront home within 200 feet of the demonstration site that will house the Living Shorelines Education Program.

- Reached out to Virginia Resources Authority staff and Walter Gills, Program Manager, Clean Water Financing and Assistance Program, Virginia Department of Environmental Quality (DEQ) to offer assistance in developing program guidelines as required by § [62.1-229.5](#) Loans for Living Shorelines. MPPDC will serve on the stakeholder group to be assembled by DEQ.
- A contract for services was drafted and executed between the MPPDC and the Shoreline Studies Program (SSP) at the Virginia Institute of Marine Studies to produce a Shoreline Management Plan and design, permit and construct a Living Shoreline Demonstration Project. To date SSP is working on a description of the underlying geology and morphology of the site using Commonwealth of Virginia's GIS geologic map and aerial photography. Rates of recent shoreline change are being updated. Field work via boat is scheduled for May. Existing databases are being mined for GIS-based information on marine resources. The upland, backshore, shoreline and nearshore of the site have been surveyed using a Real-Time Kinematic Global Positioning System.
- Prepared and submitted reimbursement request and project summary to NFWF.

Project 32134 Drainage and Roadside Ditching Authority

To build on past efforts, MPPDC staff will explore the enabling mechanism in which a Drainage and Roadside Ditching Authority may be developed. As this Authority would be responsible for prioritizing ditch improvement needs, partnering with and leveraging Virginia Department of Transportation (VDOT) funding, and ultimately working toward improving the functionality of the region's stormwater conveyance system, MPPDC staff will address the policy questions and create a framework for Drainage and Roadside Ditching Authority that can be scalable to the local or regional level depending on the need.

- Organized research into summaries of ditching programs and regulations that will be inserted into the final report.
- Developed a format for the final report.
- Drafted and submitted the progress report to the Virginia Coastal Zone Management Project.
- Prepared and submitted financial report and reimbursement request to CZM/DEQ.

- Discussed ground water and ditch drainage issues with Scott Kudlas, Office of Groundwater, Virginia Department of Environmental Quality, as a follow up to a presentation given by Mr. Kudlas in Mathews County.

Project 32207 Working Waterfront Plan

MPPDC staff will build on previous efforts to establish a coastal zone-wide Working Waterfronts Plan for Virginia that will serve to guide communities in protecting, restoring and enhancing their water dependent commercial and recreational activities. This plan will help communities with existing water-dependent commercial infrastructure, understand the long-term costs associated with the loss of working waterfronts, develop new policy tools to help them manage the increasing growth pressures, and build capacity to develop working waterfronts as thriving components of local economic development.

- Developed a worksheet that depicts how the public and community groups can actively participate in the development of policies or new legislation.
- Coordinated with Charity Gavaza to organize the next meeting of the Working Waterfront Steering Committee that will be hosted on April 14, 2015 in the City of Poquoson.
- Drafted an agenda for the meeting, which includes discussion of the Virginia Coastal Zone Management Program’s five-year strategy for working waterfronts, funding and grant availability, a state-wide boat insurance policy as well as the public policy process diagram.
- Drafted and submitted the progress report to the Virginia Coastal Zone Management Project.
- Prepared and submitted financial report and reimbursement request to CZM/DEQ.
- Consulted with Beth Polak, Virginia Coastal Program Planner, concerning FY 2015 proposed multi Coastal PDC draft scope of work. Provided partnering PDC’s an opportunity to review and comment on the scope of work.
- Discussed with Beth Polak, Virginia Coastal Program Planner, previously collected working waterfront spatial data provided by Working Waterfront Coalition partners and the need to correct data submission formatting issues.

Project 32208 Working Waterfront-VIMS

This effort will assist VIMS, Marine Advisory Services in the delineation of prevailing economic, zoning and property ownership directly related to Aberdeen Creek. Investigate any existing institutional impediments or legacy constraints to future redevelopment of a seafood related infrastructure on the Creek.

- Invoiced VIMS for services provided.
- Provided Tom Murray, Marine Economist at VIMS with an update on findings and research completed to date.

TRANSPORTATION

Funding – VDRPT, VDOT, local match from MPPDC General Fund

Project 30210 Transportation Demand Management (TDM) Services/TDM Plan Update

This program assists local commuters and employers with transportation issues. The main emphasis is on lowering the number of single occupancy vehicle commutes within and from the Middle Peninsula region

through marketing and promotion of the program through local media and provision of ride matching services to commuters. In addition MPPDC staff will update the TDM Six Year Plan with additional funding from DRPT.

- Updated website – www.midpenrideshare.org.
- Registered for Virginia Transit Association (VTA) Conference to be held in Williamsburg in May.
- Consulted with Marc Felton, Lamar Advertising, regarding new posters for billboards in King and Queen and Essex counties.
- Consulted with Jennifer Haynes, *Tidewater Review*, regarding print and website ads to run through month of April.
- Consulted with Carolyn Rowe, *Gloucester/Mathews Gazette-Journal*, regarding sponsorship of Earth Day.
- Received online registration from Middlesex County resident seeking carpool to Hopewell, VA daily for work. No match was found.
- Current commuter database – 156.

Project 302101 Transportation Demand Management (TDM) 6 Year Plan Update

MPPDC received funding from DRPT to update its Long Range TDM Plan. DRPT is requesting all TDM agencies update their plan every six years to improve the efficiency and effectiveness of transportation demand programs and services; to serve as a management and policy document for the program; to maximize investment of public funds to achieve the greatest possible public benefit ; and to provide a basis for inclusion of operating and capital programs in planning and programming documents such as the Six Year Improvements Program, Statewide Transportation Improvement Program, Transportation Improvement Program and the Constrained Long Range Transportation Plan.

- Prepared survey for commuter input into TDM Plan.
- Consulted with Marc Felton, Lamar Advertising, regarding existing billboards and their associated costs at all gateways into Middle Peninsula that may be available in the future if additional marketing funding becomes available. It would be optimal for the TDM program to be able to target all commuters leaving the region via outdoor marketing.

Project 30312 Rural Transportation Planning

This program provides rural transportation planning services through the Rural Transportation Planning Work Program which outlines specific tasks and goals to guide the rural planning of transportation services.

- On March 27th met with Community Development Director, Holly McGowan, Public Works, Walt Ferrer, and Town Manager, John Edwards of the Town of West Point to discuss sidewalk gap and maintenance projects. The Town recently completed a sidewalk project with Safe Routes to School funding and is seeking funding for continuation of the project.
- Submitted the FY 16 Rural Work Program for the Rural Transportation Program with adopted resolution to Darrel Johnson, Marsha Fiol, and Craig Van Dussen of VDOT.

- Submitted the 3rd quarter Rural Transportation Program report to Craig Van Dussen, VDOT Fredericksburg District Manager.
- Compiled and analyzed information from the Gloucester County Bike Plan survey. The survey was made available from March 2nd to April 2nd for Gloucester County residents and received over 150 responses. The information will be compiled into a draft report and discussed with VDOT Bicycle and Pedestrian Coordinator.
- On April 8th, viewed a webinar hosted by VDOT on the VTrans 2040 Multimodal Transportation Plan Needs Assessment and Urban Development Areas. The webinar discussed the importance of UDAs in project prioritization and gave examples of how other localities are coordinating UDAs with Transportation planning.
- Prepared and submitted quarterly financial report and reimbursement request to VDOT.

ONSITE REPAIR & PUMPOUT

Funding –VRA Loan Funds, local match from MPPDC General Fund, cost sharing

Project 30420, 30423 On-Site technical Guidance Assistance and Revolving Loan Program

The On-Site Technical Guidance Program aids the Middle Peninsula localities and residents in the technical understanding and implementation of approaches to address On-Site Disposal Systems and improve water quality by assisting local homeowners with repairing failing septic systems through low-interest loans and/or grants.

- Prepared and submitted reimbursement request to DEQ for loan funds.
- Consulted with Shawn Crumlish, VRA, regarding status of paperwork needed to secure new funds.
- Consulted with Gary Wood, VDH consultant for NFWF grant, regarding status of grant funds. The grant has been fully expended. MPPDC has been partnering with VDH and the NFWF grant to provide grant funding for low mod homeowners to repair failing septic systems since MPPDC has been unable to find a source of grant funds since WQIF funding is no longer being made available for septic repairs. With the end of the VDH NFWF funds MPPDC has no source to offer grant funds to low mod income homeowners in the foreseeable future.
- Met with Leslie Franklin, Regional Grants Management Associate with the Community Foundation, regarding a proposal submitted to the River Counties Foundation for a grant to assist one or more low income Middlesex County homeowner to repair their failing septic system. Discussed MPPDC’s onsite assistance program, history of the program, funding availability, need for funds to assist “heir situation” clients, extent of septic system failure in the community, and water quality issues associated with failing septic systems.
- Consulted with Eva Lowe and John Hollowell, Middlesex County Health Department, regarding elderly Middlesex County homeowner’s septic repair application. Homeowner had been referred to MPPDC for assistance in July, 2014. She was given an application and a referral to Gary Wood, VDH consultant for grant assistance through VDH’s NFWF grant. She was told by Mr. Wood that she was eligible for VDH grant funding and thus did not pursue a loan from MPPDC. As the VDH program requires homeowners to pay for installation prior to reimbursement from the NFWF grant, homeowner borrowed funds from a local bank and installed the new septic system. VDH then determined that the system designed, permitted and installed did not meet regulations and hence homeowner was not eligible for grant

funding. Homeowner submitted application to MPPDC, but since she no longer has a failing septic system, MPPDC program cannot provide assistance to refinance her septic repair which was completed in August, 2014.

- Received phone call from Mathews County client regarding status of application. Client is trying to get estimates for repair. Approval is pending awaiting estimates for costs for repair.
- Consulted with Gary Wood, VDH consultant for NFWF grant, regarding status of several pending repairs. Requested OP for any completed projects. Received OP for one completed repair.
- Executed ACH loan payments for septic loans. All MPPDC loan funding programs require that loan recipients authorize loan payments to be made automatically from loan recipients' bank accounts. Loan clients authorize the payments at loan closing (ACH Authorizations). MPPDC staff process these payments on the 15th of each month. This places the onus to not make a payment on the loan client contacting MPPDC staff prior to the loan processing date of the 12th of the month to request a payment be held. This has significantly reduced defaults and delinquent repayments of MPPDC loans.

Note: All WQIF grant funds have been spent and all VRA grant funds have been committed. MPPDC staff are continuing to search for additional grant funding for this program. The ability to blend loans with grants is crucial in assisting low income homeowners in correcting failing septic systems.

Remaining uncommitted funding – \$4115 loan funds.

30441 Septic Pump-out and Technical Assistance Project

This program, with funding from EPA Chesapeake Bay Implementation Grant through the Department of Environmental Quality, will provide septic pump-out financial assistance to low income homeowners and technical assistance to the Town of Tappahannock and Essex County to develop land use ordinance provisions that address the water quality requirements of Phase III of the Chesapeake Bay Preservation Area Designation and Management Regulations (9VAC25-830.10 – 280).

- Sent denial letter to 1 applicant explaining that they are ineligible for assistance due to having income above the threshold for assistance.
- Received phone call from King William County client unable to find anyone on the list of participating contractors who was willing to pump out her septic system. Consulted with Essex Concrete to inquire as to whether they would be willing to participate in the program. They agreed. Informed client to contact Essex Concrete and added them to the participating septic haulers list.
- Prepared and submitted quarterly report and financial report/reimbursement request to DEQ.
- Septic Pumpout as of April 13, 2015

| | |
|---------------------|-----|
| Applications Mailed | 101 |
| Approved Vouchers | 37 |
| Completions | 03 |

Pumpout Vouchers by County

| | |
|----------------|----|
| Essex | 07 |
| Gloucester | 03 |
| King and Queen | 02 |
| King William | 22 |
| Mathews | 00 |
| Middlesex | 03 |

ECONOMIC DEVELOPMENT

Funding – EDA, local match from MPPDC General Fund, BDP Loan Program Income

Project 30104 DHCD Planning Grant—VA Sea Grant Universities MP Partnership

This initiative looks to develop new partnerships with Virginia Universities participating within the Virginia Sea grant Network to enhance Virginia Universities' impacts and value-added services to Middle Peninsula private businesses and coastal localities.

- Met with Virginia Sea Grant Director Troy Hartley; Tidewater Resource Conservation and Development Council Chair Mo Lynch to discuss the Virginia Sea Grant- Middle Peninsula Planning District Commission University Partnership Project and the Building Collaborative Communities (BCC) grant.
- Discussed the SET Program funding awarded to the MPPDC and upcoming Economic Development Training Opportunities available to local official with Martha Walker, Virginia Tech SET Program Coordinator.
- Provided Troy Hartley, Director for Virginia Sea Grant, with a copy of the University Partnership findings report for dissemination with participating Virginia universities.
- Reviewed and commented on two appendixes for University Partnership Report focusing an analysis of the impact of LMI (Low to Moderate Income) individuals and families associated with various employment clusters across the Middle Peninsula and staff conducted an assessment of regional institutional gaps for service delivery across the Middle Peninsula.

Project 30105 Middle Peninsula Broadband Study

The EDA Broadband Initiative is a project designed to bring together Middle Peninsula counties and towns in a series of workshops with the intent of determining the proper model to follow in developing and running a broadband service in the MPPDC region.

- Prepared final financial report and reimbursement request for submission to EDA.
- Project has entered final closeout.

Project 301702 Small Business Revolving Loan Fund

MPPDC agreed to service Middle Peninsula Business Development Partnership's (MPBDP) Small Business Loan Portfolio after MPBDP's dissolution November 30, 2011. MPPDC established a revolving loan fund and staff initiate ACH loan payments from clients bank accounts and manages the accounts. Principal repaid will be held until the Commission determines the best use for these funds as allowed by the USDA (RBEG) original lending restrictions. Interest earned will be used to offset administration costs.

- Transferred revolving loan fund assets to money market account at C&F Bank for higher interest yield.

- Executed ACH loan payments for MPBDP loans. All MPPDC loan funding programs require that loan recipients authorize loan payments to be made automatically from loan recipients' bank accounts. Loan clients authorize the payments at loan closing (ACH Authorizations). MPPDC staff process these payments on the 15th of each month. This places the onus to not make a payment on the loan client contacting MPPDC staff prior to the loan processing date of the 12th of the month to request a payment be held. This has significantly reduced defaults and delinquent repayments of MPPDC loans.

Project 30108 Building Collaborative Communities (BCC) Grant

This project, with funding from the Virginia Department of Housing and Community Development, is a collaborative effort with regional and local, public and private stakeholders to create an organizational structure with the capacity and resources to lead regional economic development initiatives in the Middle Peninsula. The project will seek to provide education, training and outreach to local officials on regional economic development partnerships, re-establish the Tidewater Resource Conservation and Development Council, update the River County Economic Development study, as well as draft policies, bylaws and a conceptual work plan for the newly created economic development organization.

- Discussed proposed Middle Peninsula Building Collaborative Communities concept scope of work with Michele Jones, BCC Program Manager. Received approval for scope of work and executed necessary contract documents.
- Delivered notice to call a meeting of the Middle Peninsula Mayors and Chairs Caucus to discuss regional economic development issues and possible creation of a Middle Peninsula Economic Development Organization.

LOCAL INITIATIVES

Funding - local dues, PDC base-funding from VDHCD and/or MPPDC General Fund. Funding for specific projects may come from locality requesting assistance.

Project 30106 Middle Peninsula Regional Jail Flash Freeze Feasibility Study

The Middle Peninsula Regional Jail Authority will use funds from the USDA RBEG program to contract with the Middle Peninsula Planning District Commission (MPPDC) to conduct a feasibility study to evaluate whether, and to what degree, the Middle Peninsula Regional Security Center, local economies, and small scale emerging farms across the Middle Peninsula can benefit from a flash freezing produce program. The feasibility study will assist with exploring and addressing both the infrastructure and capital needs for establishing a freezing program as well as the larger community implications of supporting and enhancing economic growth and community vitality.

- Drafted the quarterly progress report for this project and submitted it to the US Department of Agriculture.
- Closed the request for proposals to conduct a feasibility study to establish a flash freeze operation at the Middle Peninsula Regional Jail. Having received no qualified responses to the request for proposals to conduct a feasibility study, outreached to various Virginia Universities for assistance. The Virginia Tech Office for Economic Development provided a response to conduct the feasibility study. Staff is reviewing the response.
- Requested a no-cost extension through December 2015 to complete the project due to the proposal timeline submitted by Virginia Tech.

- Prepared quarterly financial report and reimbursement request and forwarded to Tom Swartzwelder, MPRJA Chair for signatures.

Project 30017 King & Queen Fishing Pier Funding

Provide King & Queen County with a contract for services to prepare and submit grant applications to fund the construction of a fishing pier on the Mattaponi River.

- Invoiced King and Queen County for services provided to prepare and successfully argue for VMRC and DGIF proposals.

Project 30018 Local & Regional Technical Assistance

This program responds to daily requests for technical assistance which other commission programs are unable to provide.

- Provided to Tom Feigum, Middlesex County, a copy of May 2014 MPPDC meeting PowerPoint presentation, “Potential Natural Gas Drilling in the Taylorsville Basin: Geology, Regulations, and Resource Protection”, presented by David Spears, Department of Mines, Minerals, and Energy.
- Met with David Moore, Middlesex County Cooperative Extension, to discuss a project involving the assessment and coordination of local farmers markets in the Middle Peninsula region.

Drafted a Farmers Market Program proposal to be submitted to the USDA that will allow for a local farmers market enhancement project. The project will consist of an assessment of needs of local residents and vendors allow for regional coordination between local markets, and creation of a marketing strategy. Staff received assistance and support from Virginia Tech-VSU cooperative extension and letters of support from Town of Urbanna and Mathews County Farmers Markets.

- Spoke with Hazel Laughton, Urbanna Farmers Market Committee Chair, and Bette Dillehay, Chair for the Mathews County Farmers Market, regarding the farmer’s market proposal and initiative and received a letter of support from both committees.
- Submitted proposal to CZM program for Year 5 of the Working Waterfronts Plan. This project, if funded will result in a Statewide Working Waterfronts Plan for the Commonwealth.
- Consulted with Matt Walker, Middlesex County Administrator, concerning public access site evaluation and master plan needs for the County. Discussed various ways to evaluate use and ownership status.

Project 30019 Urbanna Oyster Festival Project

This is a shoreline restoration project for Urbanna Creek that proposes collaboration with the MPPDC, VDOT, Urbanna Oyster Festival Foundation, Christchurch School and VIMS. The project proposes to reduce the amount of sediment and nutrients released into Urbanna Creek caused by an enormous hole underneath the bridge that is allowing ground and surface water runoff from public right of way and private property to deposit into the Creek. The project includes filling the hole and design of a shoreline restoration method.

- Received a message from Donna Milligan, Virginia Institute of Marine Science, that surveying will commence on Urbanna Creek on April 13th.
- Received a request from Paula Jansinski, Chesapeake Environmental Communications, to attend a public outreach session on April 14th in the Town of Urbanna for a Restore Urbanna Creek project.

Staff is asked to provide a description of the Urbanna Creek Shoreline restoration project to help educate attendees on what is being done to restore the Creek.

30020 Middlesex Boat Pier

Middlesex County requested MPPDC/PAA staff to perform the necessary work to develop project proposal for Virginia Department of Game and Inland Fishery grant funding. The proposal would seek funding for the planning, design and potential construction of a new public access site on Mill Creek in Deltaville that would include a double boat ramp, a courtesy pier and a parking lot that could accommodate trucks with boat trailers.

- Reviewed the Virginia Department of Game and Inland Fisheries (DGIF) Grant to Localities Program for public Boating Access Facilities guidelines.
- Corresponded with Matt Walker, Middlesex County Administrator, regarding a potential boat ramp access project on Mill Creek in Deltaville. Discussions included the property of interest, the relationship between the County and the Deltaville Museum, as well as, the proposed project.
- Developed maps of project location and public access site within Middlesex County to be inserted into the scope of work.
- Submitted an application to the Virginia Department of Historic Resources ePIX system to receive comments for DHR about the proposed site.
- Reached out to Chris Dewitt, VHB, to get an idea of how much time he donated to the development of a draft site design sketch.
- Drafted a resolution to be considered by the Middlesex County Board of Supervisors in support of the application to DGIF.
- Drafted a scope of work and budget for the construction of a double boat ramp, courtesy pier, and parking lot large enough for truck and boat trailers.
- Invoiced Middlesex County for services provided to prepare DGIF proposal.

HOUSING

Funding –Housing Loan Program Income

Project 300132 Energy Efficiency and Conservation Block Grant (EECBG)

Summary: Governor Timothy Kaine announced on October 6, 2009 that \$9.7 million in Energy Efficiency and Conservation Block Grants (EECBG) would be distributed on a competitive basis to small local governments. Virginia's 21 Planning District Commissions administered the program and assisted localities in the development of proposals which were ranked and awarded by the Department of Mines, Minerals and Energy (DMME). The program emphasizes a community-based approach to help meet energy and climate protection goals. MPPDC was awarded a contract to provide weatherization renovations to 12 homeowners ineligible for LMI weatherization programs in each of the 6 counties. MPPDC subcontracted the promotion and construction portions of this project to Bay Aging but is tasked with administering the overall project. MPPDC is administering the revolving loan program per DMME.

- Transferred revolving loan fund assets to money market account at C&F Bank for higher interest yield.

- Executed ACH loan payments for EECBG loans. All MPPDC loan funding programs require that loan recipients authorize loan payments to be made automatically from loan recipients' bank accounts. Loan clients authorize the payments at loan closing (ACH Authorizations). MPPDC staff process these payments on the 15th of each month. This places the onus to not make a payment on the loan client contacting MPPDC staff prior to the loan processing date of the 12th of the month to request a payment be held. This has significantly reduced defaults and delinquent repayments of MPPDC loans.

EMERGENCY SERVICES
Funding - Pending

Project 31201 Middle Peninsula All-Hazards Mitigation Plan Update (Reported under Mandates)

Project 31202 Regional Emergency Management Planner

Regional Emergency Planner position housed at the Middle Peninsula Planning District Commission (MPPDC) in Saluda. The Middle Peninsula crosses VDEM Region 1&5 boundaries. Position will support local Emergency Coordinators by assisting/coordinating homeland security & disaster response preparedness; Rt. 17 evacuation planning; & resource data collection.

- Attended the National Hurricane Conference in Austin, Texas from March 29 to April 3, 2015. Attended the following sessions: Evacuation Planning (7 sessions); Hurricane Recovery (1 session); ABC's of Emergency Operations Centers (1 session); Public Education/Media (1 session); and the general session with Craig Fugate, FEMA, and Dr. Rick Knabb, Director of the National Hurricane Center. Also attending the Conference from Virginia were Craig Moore, Gloucester County Emergency Manager, several members of the Virginia Department of Emergency Management (VDEM), and Emergency Managers from VDEM Regions 1 and 5.
- Met with Matthew Carpentier, Virginia Department of Health Emergency Preparedness Coordinator for the Three Rivers Health District, and Wallace Twigg, Regional Coordinator for Region 5 of the Virginia Department of Emergency Management on April 8, 2015. Discussed the roles of VDH in emergencies, the plans in place, and the equipment VDH has for deployment during an emergency in the Middle Peninsula. Mr. Carpentier will serve as the VDH representative for the SHSG Local Planning Team.
- Submitted the January through March 2015 Quarterly report for the SHSG program to VDEM on April 7, 2015.
- Prepared quarterly financial report and reimbursement request and submitted to VDEM.

AGENCY ADMINISTRATION
Funding - Indirect cost reimbursements from all PDC projects

300181 MPPDC Administration

Administrative services provided to MPPDC programs. Planned FY13 Indirect Cost rate =50%.

- Prepared vouchers, processed A/P, processed payroll, processed deposits and balanced bank accounts. Prepared MPPDC monthly financial statements.
- Continued preparation of FY16 budget.

Project 32128 Land and Water Quality Protection

In light of changing Federal and State regulations associated with Bay clean up-nutrient loading, nutrient goals, clean water, OSDS management, storm water management, TMDLs, etc, staff from the Middle Peninsula Planning District Commission (MPPDC) will develop a rural pilot project which aims to identify pressing coastal issue(s) of local concern related to Bay clean up and new federal and state legislation which ultimately will necessitate local action and local policy development. Staff has identified many cumulative and secondary impacts that have not been researched or discussed within a local public policy venue. Year 1-3 will include the identification of key concerns related to coastal land use management/water quality and Onsite Sewage Disposal System (OSDS) and community system deployment. Staff will focus on solution based approaches, such as the establishment of a regional sanitary sewer district to manage the temporal deployment of nutrient replacement technology for installed OSDS systems, assessment of land use classifications and taxation implications associated with new state regulations which make all coastal lands developable regardless of environmental conditions; use of aquaculture and other innovative approaches such as nutrient loading offset strategies and economic development drivers.

Project 32129 Water Reuse

As recent changes to Virginia Water Regulations have tightened water protection and management, there is a strong need to consider maximizing local and regional water resource that may have financial benefits to localities. This project will explore water reuse, how other localities in Virginia and Nation-wide are utilizing this technique and potential economic impacts to Middle Peninsula localities. MPPDC staff will organize a Water Reuse Stakeholder Committee to discuss associated policy needs and opportunities.

Project 32130 Aberdeen TIF

The Aberdeen Creek TIF project will explore Tax Increment Financing as a strategy to generate revenue to finance dredging and other maintenance issues associated with Aberdeen Creek. The project will entail researching TIF policies and programs implemented in Virginia and defining parameters of the program that will achieve the overall objective. The project proposes a partnership with Virginia Sea Grant to determine cost and revenue projections for proposed maintenance and subcontracting with VIMS on project design.

Project 30015 Tappahannock Comp Plan Update/ Project 30016 Essex Comp Plan Update

The Town of Tappahannock has contracted for the Planning District Commission to provide technical planning support for the Town of Tappahannock's Planning Commission as they go through their 2014 Comprehensive Plan Update Process. Every jurisdiction in Virginia is mandated by Virginia Code Section 15.2-2223 to create and adopt a comprehensive plan that outlines a vision for the future of the community with a twenty year planning horizon.

Essex County has contracted for the Planning District Commission to provide technical planning support for the Essex County Planning Commission as they go through their 2014 Comprehensive Plan Update Process. Every jurisdiction in Virginia is mandated by Virginia Code Section 15.2-2223 to create and adopt a comprehensive plan that outlines a vision for the future of the community with a twenty year planning horizon. Along with the Comprehensive Plan, Essex County has contracted for the Planning District Commission to lead the Planning Commission in discussions regarding the future preparation of a Capital Improvement Plan (CIP), and prepare a Virginia Enterprise Zone Designation (VEZD) application for the County. The Virginia Enterprise Zone (VEZ) program is a partnership between state and local government in which both parties seek to improve economic conditions within designated localities. The program is meant to complement additional local, state, and federal economic development activities to create an improved climate for private sector

investment and to focus limited resources on strategically targeted areas. A proposal will be submitted on behalf of the locality by the deadline of June 28th, 2013 using the Department of Housing and Community Development Centralized Application Management System (CAMS).



Virginia Department of Environmental Quality



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Commonwealth of Virginia

State Water Resources Plan



Preface

The State Water Resources Plan (SWRP) is the first document of its kind in the Commonwealth of Virginia. While Virginia has a history of planning for water resources, this is the first comprehensive plan that incorporates information from locally-developed water supply plans and includes basin-wide cumulative impact analyses of the information and the probable impact of future water demand on beneficial uses. The SWRP is a compilation and synthesis of the 48 local and regional water supply plans developed by local governments to assess their future water supply needs. The SWRP takes an extensive look at surface water and groundwater sources currently being used in the Commonwealth and assesses the capacity of these sources relative to all beneficial uses. All beneficial uses of water are examined, both current use and projected water demand to 2040, and an assessment of the ability of current sources to meet the future need is detailed. The SWRP also outlines challenges faced by the Commonwealth and identifies recommendations to address these challenges. The SWRP will be updated every five years following the review and update of all the local and regional plans.



Executive Summary

The Commonwealth of Virginia is rich in water resources; however, as the impacts of drought over the past two decades have demonstrated, we must work together to manage and protect water resources for future generations. Meeting long-term human and environmental needs can be accomplished most effectively by joint efforts of the Commonwealth and its localities. Comprehensive planning for the sustainability of the Commonwealth's water resources, as outlined in the Local and Regional Water Supply Planning Regulation (9VAC25-780) is designed to ensure the availability of adequate and safe drinking water to all citizens of the Commonwealth. Additionally, the planning process is established to encourage, promote, and protect all other beneficial uses of the Commonwealth's water resources, both in-stream and off-stream, and encourage, promote, and develop incentives for alternative water sources, including but not limited to desalinization. By Statute, all beneficial uses of our water resource, which includes the protection of fish and wildlife habitat, maintenance of waste assimilation, recreation, navigation, cultural and aesthetic values, agricultural, electric power generation, and commercial and industrial uses, must be protected for the maximum benefit to all. Improved coordination of water resource management activities at the local, regional, and state levels will ensure adequate water resources will be available for water demand for present and future beneficial uses.

The State Water Resources Plan (SWRP) is a compilation and synthesis of the 48 local and regional water supply plans¹ developed by local governments to assess their water supply needs 2010 to 2040, as well as information from other sources. Each water supply plan includes information concerning community water systems and self-supplied users, existing and potential sources of water supply, existing use, and anticipated future water demand. This information was entered into the Virginia Department of Environmental Quality's (DEQ) content management system for use in the cumulative impact analysis.

The Commonwealth realized a more proactive approach to water resources planning was necessary following the 1999-2002 drought event. Following the 2002 drought, the Local and Regional Water Supply Planning Regulation² was established, which required each locality to develop and submit a plan, either alone or in collaboration with other localities, by 2011. These plans have been collected and analyzed, and the results and recommendations are included in this report. The SWRP is designed, as required by statute,³ to encourage, promote, and secure the maximum beneficial use and control of the Commonwealth's water resources. In practice, the document will assist the DEQ in the efficient and effective regulation and management of water resources by examining projected water demand,

¹ See Appendix A

² 9VAC25-780

³ <http://lis.virginia.gov/cgi-bin/legp604.exe?2009+cod+62.1-44.38>

identifying water resources targeted to meet this demand, and analyzing potential impacts that may occur if the demand is met.

The SWRP takes a comprehensive look at the water sources currently being used in the Commonwealth and assesses the capacity of these sources relative to defined beneficial uses. An assessment of the ability of current sources to meet the projected water demand to 2040 is detailed.

This SWRP provides an opportunity to identify the likely challenges that will be faced by the many beneficial uses that depend on flow in Virginia's water resources. The information provided enables the identification of the probable location and types of impacts to beneficial uses and the various regulatory, infrastructure, and ecological challenges that these impacts might present. In addition to these areas of likely impact, the information in this plan can be used to target areas whose demands may jeopardize the sustainability of the water resource. These areas will require better understanding of aquatic resources, a more intense scrutiny to the accuracy of data, and a more thorough knowledge of water supply operations in those areas.

The cumulative impact analysis in the SWRP examined the data and information submitted during this water supply planning process and predicted a net increase of approximately 32% in mean daily water supply demand over the planning period 2010-2040. An estimated 450 million gallons per day (MGD) of additional water will be needed to meet the projected demands in 2040. This approximate 32% increase of water demands over the planning period is consistent with the Commonwealth's expected population increase for the same time period. Of this projected demand, about 77% is anticipated to come from surface water sources. The remaining estimated 23% demand is expected to come from groundwater sources.

During the drought of record simulation the challenge to the full range of beneficial uses will require greater attention in the follow up to this plan. The initial analysis indicated that in the future, there may be widespread areas of little to moderate impacts under normal conditions, punctuated by isolated areas with significant chronic impacts, and moving towards more widespread impacts under the driest conditions. For example, nearly 97% of the projected surface water demands in Virginia's streams are projected to come from approximately 25% of the stream reaches simulated. With 16% of streams predicted to see greater than 5% reduction in Drought of Record flows based on anticipated increases in use, drought-related impacts are likely to be more severe and last longer. This indicates a high probability that new management and/or infrastructure will be required to maintain safe yields at current levels. While systems that have built or are planning to build new storage will likely have adequate reserves to meet the predicted reduced drought inflows, systems without storage or with demands that are nearing existing safe yield may face challenges as the cumulative demands on streams increases.

Comprehensive water resources management includes planning, developing, distributing, and managing water resources for optimum use. These interrelated tasks can be accomplished by considering the competing demands of beneficial uses for water, allocating water resources, and satisfying all uses and demands. In searching for lasting solutions to the growing and competing demands for Virginia's water resources, a balance is needed between beneficial uses and long-term water availability. Industries and communities need reliable water to be available and profitable in both the short and long term.

The compilation of the water supply plans revealed that there are approximately 800 surface water withdrawals (reservoir, stream, and spring sources) and 2,900 groundwater well withdrawals (excluding private groundwater well estimates) statewide. Reported groundwater withdrawals outnumber surface water withdrawals for all use types (community water systems, large and small self-supplied users), except agriculture. Totals from the water supply plans indicate that an estimated 1.6 million people in the Commonwealth use private groundwater wells for residential water supply.

Appendix B of this SWRP includes summaries for nine major river basins, based on Virginia Code Section 62.1-44.38: Albemarle-Chowan River Basin, Chesapeake Bay-Small Coastal Basin, James River Basin, New River Basin, Potomac-Shenandoah River Basin, Rappahannock River Basin, Roanoke River Basin, Tennessee-Big Sandy River Basin, and York River Basin. The Major Basin Summaries include the following information, as summarized from the water supply plans:

- A description of the water supply planning units and localities included in each basin.
- A comparison of the surface water and groundwater sources used and withdrawals by source category
- Interbasin and intrabasin transfers identified in the water supply plans.
- Projected water demand and anticipated water supply deficits.
- A statement of need and a list of alternative water sources that may be considered to address deficits.

The SWRP will help focus the attention of decision makers on key issues and educate the public about the importance of managing Virginia's water supply. This SWRP gathers relevant water resource information in one location, laying the foundation for informed decision making at all levels concerning future water supply and use. For the first time in Virginia's history, the Commonwealth has a process in place to analyze the expected cumulative impacts of future water demands on streamflows and groundwater resources continually, as conditions change, to assist in decisions about the management and development of water resources.

State and local agencies, water purveyors, and consumers face a number of water supply challenges over the next 30-50 years, and even sooner in some areas. The challenges identified in managing the

water resources and recommendations to address these challenges are outlined in the SWRP. The following issues are described:

1. Challenge: Understanding the Impact of Unpermitted Water Withdrawals

According to the 2014 Report on Virginia's Water Resources Management Activities⁴, 82% of the total surface water withdrawn in 2013 was excluded from permitting, thus making it difficult to manage water resources, particularly during low flow periods. Unlike permitted withdrawals, excluded withdrawals are not subject to permit conditions that require conservation during times of low flow to reduce water use or to limits on withdrawal that require a certain volume of water to flow by the intake or to be released from a reservoir. These conditions help to ensure the existing beneficial uses of the water resource, including those of the withdrawal, are sustained at all times and, particularly, during dry periods, as well as conserving the resource for the long term.

Recommendation 1.1:

As resources allow, DEQ plans to coordinate with localities and other pertinent stakeholders to see if operational rules can be developed for those surface water withdrawals and impoundment releases currently excluded from VWP permitting. The areas that are predicted to result in negative impacts to beneficial uses during times of low flow will be prioritized. DEQ expects to meet with relevant parties in these areas to see if there are actions that can be agreed upon that would alleviate or reduce impacts on beneficial uses. Target stream reaches have been identified in the following river basins: Chowan-Albemarle, James, Potomac-Shenandoah, Rappahannock, Roanoke, and York. Future options may include, but are not limited to, the following: establishment of Surface Water Management Areas and Groundwater Management Areas; changes to pertinent statutes and/or regulations to capture unpermitted withdrawals.

2. Challenge: Gaps in Water Withdrawal Reporting, Differences in Reporting Thresholds between WSP and VWWR Regulations, and Lack of Adequate Data

As data submitted with the local and regional water supply plans was evaluated, it was noted that there are data gaps in groundwater and surface water information. While there is some information on the water use for agricultural and some commercial institutions, such as golf courses and nurseries, for example, additional outreach needs to be done to determine if there are water uses in these categories that have not been accounted for in Virginia's water budget.

Recommendation 2.1:

DEQ will:

- a) Coordinate with localities and regions to update the data set to continuously improve model results.

⁴ http://www.deq.virginia.gov/Portals/0/DEQWater/WaterSupplyPlanning/AWRP_090814FINAL.pdf

- b) As resources allow, initiate a more systematic approach to registering those facilities that meet the threshold for VVWR reporting, but who are not currently registered and do not report.
- c) Train localities and other water purveyors to directly input data into the content management system for more timely information.

3. Challenge: Quantifying Current and Future Risks to Groundwater Availability Outside of Current Groundwater Management Areas

The degree of interconnectedness of fractured rock groundwater systems and surface water features in western Virginia is significant, resulting in unique challenges to assessing water supply risk. These systems can be highly influenced by annual precipitation, can be storage limited, and can recharge or decline on short time scales. In most watersheds, groundwater discharge to streams constitutes a significant portion of the water in the stream. Droughts over the last two decades have demonstrated that below normal recharge over as little as two years can significantly reduce groundwater contribution to streamflow. Increases in groundwater withdrawals in these systems can have the same effect in reducing streamflow, increasing the risk of impacts to beneficial uses in a watershed. During times of low recharge, this effect can be compounded by increased withdrawals.

While the structural complexity of these groundwater/surface water systems creates some practical limitations, the Commonwealth and its localities need to begin at least some preliminary quantification of risk. Seventy-five percent of the groundwater demand for 2040 is expected to occur outside the coastal plain GWMA. Therefore, it is important to start by creating some basic water budgets in these areas. These can start as simply as a comparison of rainfall volumes to expected withdrawal volumes.

As projections were gathered through the water supply planning effort, there is a better understanding of groundwater demands and reliance on this resource in the western half of Virginia. It was estimated that 137.81 MGD of water was used by small self-supplied users of private residences. Additionally, estimates of the projected future demand associated with these wells were made in the water supply plans. However, assumptions were made that groundwater resources could support this increased demand. This may or may not be the case; there is not enough information on the sustainability of groundwater wells in the western half of the Commonwealth to be sure.

To go beyond simple assessments, further investment is needed in targeted monitoring and model development to determine groundwater flow, relative storage in these systems, and the probable magnitude of impact under different meteorological and water use conditions.

Recommendation 3.1:

DEQ may facilitate efforts with localities and regional stakeholders (e.g., planning district commissions, utilities, public service authorities) to expand groundwater monitoring wells in localities

outside the Groundwater Management Area with expected significant increases in 2040 demands from groundwater and may be at high risk for negative beneficial use impacts. An increase in groundwater monitoring wells should improve our understanding of the groundwater resource and the impacts of pumping on the aquifer. State and local entities may coordinate efforts to identify financial resources to provide funding necessary for an expansion of the State Observation Well network. Additionally, DEQ plans to provide decision makers with all methodologies and analysis that DEQ has on the availability and sustainability of groundwater. DEQ may provide input and assistance if localities or regions conduct their own methodologies or analysis, including Recharge Analysis. As resources allow, DEQ staff will analyze data and provide outreach to localities and regions to ensure better management of the resources and water availability for all beneficial users. DEQ plans to target outreach efforts to localities that the cumulative impact analysis indicates groundwater uses exceed the annual recharge. These localities include the counties of Giles, Frederick, and Rockingham, and the cities of Martinsville, Radford, Roanoke, Salem, and Waynesboro.

4. Challenge: Reservoir Site Development

The process of identifying future reservoir sites can be difficult, potentially involving numerous competing interests, all of which can be the subject of much debate. Localities typically must consider planned projects, such as housing developments, major road, rail, or utility line construction, infrastructure development, and identification and protection of sites for future economic development. Federal, state, and local interests to protect natural ecosystems located within a reservoir footprint can also impact the viability of a site. Considerations such as cost, size, the distance to where water is needed, environmental and archaeological concerns, water quality and source water protection, and benefits beyond water supply (recreational uses and tourism) must also be considered. Maintenance of reservoirs to assure their storage capacity is another cost that should be considered. Any of these conditions can influence the viability of a new reservoir site and impact the ability of state or federal authorities to approve a proposed permit application.

Recommendation 4.1:

Based on the projected 2040 demand, localities and regions will need additional storage. DEQ will assist, as appropriate, in any efforts to optimize the use of the resource.

5. Challenge: Threats to Water Quality

Water supply plans listed a number of potential threats to water quality. The WSP Regulation section on "Existing Resource Information" requires all water supply plans to include "a description of existing environmental conditions that pertain to, or may affect, in-stream flow, in-stream uses, and sources that provide the current supply." Required conditions to be considered included state or federal threatened or endangered species or habitats of concern, river segments that have recreational

significance, unusual geologic formations or soil types, wetlands, riparian buffers, land use including impervious surfaces, impaired streams, and point source discharge locations. Potential threats to water quality or quantity beyond this list were to be discussed in the plans.

Other potential threats listed in the water supply plans include contamination from septic tanks, fuel spills, industry, landfills, landslides, radon emission, mining excavations, logging, junkyards, septic system failures, and agricultural runoff. Improper application or inappropriate storage of lawn and garden chemicals, paints, synthetic detergents, solvents, oils, medicines, disinfectants, pool chemicals, pesticides, batteries, gasoline, and diesel fuel are also considered threats to water quality.

Recommendation 5.1:

DEQ will continue to evaluate August Low Flow (aquatic life impacts), and 7Q10 (waste assimilation) to assess the probable impacts to certain beneficial uses. As resources allow, DEQ will add conditions to be considered to assess the potential impacts to the water resources.

6. Challenge: Understanding the Impact of Consumptive Use on Water Supply

Consumptive use, that portion of the water withdrawn that is lost to evaporation, transpiration, or consumption by humans or animals and is not returned to the water system, has the greatest impact on water availability. The impact of consumptive uses on beneficial uses is and should continue to be evaluated in water supply planning and permitting. Current regulations (WSP Planning, Water Withdrawal Reporting) do not require information on consumptive use. One of the main objectives of the cumulative impact analysis and water supply planning process is to ensure against future water shortages and unforeseen negative impacts to in-stream beneficial uses. As such, consumptive use must be factored into the modeling equation. Assumptions about consumptive use are conservative, erring on the side of assuming a higher level of net consumption from water use activities. Reporting of actual data concerning consumptive use will provide more accurate projections on the availability of water during low flows.

Recommendation 6.1:

Request approval to revise the Virginia Water Withdrawal Reporting Regulation (9VAC25-200-10 et seq.) to require the annual reporting of consumptive use.

7. Challenge: Promoting Increased Conservation to Reduce Long-Term and Short-Term Demand

The goal of water conservation is to maximize the benefit gained from each gallon of water used. Water conservation is increasingly becoming important as part of local governments' overall water management strategy across the Commonwealth, particularly during drought events. Water conservation practices can extend the use of a system's available water supply, reduce the impacts of drought, delay expansion of treatment facilities, reduce operating costs, and reduce costs to consumers as their use of water declines. Use of water conservation practices are described in

regional water supply plans and reflect that the more limited a region's water resources are or are expected to become, the more critical it is to have effective water conservation programs.

Water conservation can be an important component of water resource management. Although Virginia is rich in water resources, citizens must use water wisely to ensure the sustainability of the resource both during drought events and every day. As such, localities and other water purveyors are considering water conservation programs to ensure water is used as efficiently as practicable.

Recommendation 7.1:

DEQ will encourage localities and regions to place more emphasis on conservation efforts to reduce demand in their water supply plans.

8. Challenge: Critical Infrastructure Deficiencies

Water infrastructure in Virginia was built over many decades and, for many localities and systems, has not been maintained adequately due to insufficient funds and planning. The local and regional water supply plans reflect system losses from 4% to 50%, generally depending upon the age of the system. The American Society of Civil Engineers recently released the "New 2015 Report Card for Virginia's Infrastructure" (<http://www.infrastructurereportcard.org/virginia/virginia-overview/>) and gives Virginia a grade of 'C' based on the reported condition of existing assets, expected service life, current functionality and level of service, future growth needs, and anticipated level of funding required to maintain Virginia's infrastructure. The report continues that "Virginia reported \$6.1 billion in drinking water infrastructure needs over the next 20 years." While all systems will not fail at the same time, water treatment facilities and related distribution systems need to be properly maintained or replaced to ensure proper water efficiency.

VDH has prioritized drinking water loss in their grant/loan program. In the "Commonwealth of Virginia Drinking Water State Revolved Fund Program Intended Use Plan For the DWSRF FY 2015 Capitalization Grant," <http://www.vdh.state.va.us/ODW/financial/documents/pdf/2015%20IUP.pdf>, draft dated January 5, 2015, VDH established the Drinking Water State Revolved Fund (DWSRF) Program in accordance with the federal Safe Drinking Water Act Amendments of 1996. The goals of this program include assisting "waterworks owners in protecting water supplies, ensuring the reliable operation of water systems, preparing for future waterworks challenges, and developing their technical, financial, and managerial capacity."

Recommendation 8.1:

DEQ will provide VDH with a list of localities whose water supply plans indicated that they have high water loss so VDH can consider them for funding to improve their infrastructure.

9. Challenge: Sea Level Rise, Changes in Precipitation Patterns, and Land Subsidence

Environmental issues such as sea level rise, changes in precipitation patterns, and land subsidence may have impacts on water resources in the Commonwealth. “The changing climate impacts society and ecosystems in a broad variety of ways. For example climate change can increase or decrease rainfall, influence agricultural crop yields, affect human health, cause changes to forests and other ecosystems, or even impact our energy supply. Climate-related impacts are occurring across regions of the country and across many sectors of our economy.”⁵

Recommendation 9.1:

- a) DEQ will conduct a Cumulative Impact Analysis annually and will evaluate the impacts on streamflow of the most recent climate change model scenarios available in time for each five-year review cycle for local and regional water supply plans.
- b) DEQ will develop a subsidence monitoring plan to better characterize the amount of sea level rise due to land subsidence over time to inform water supply-related local adaptation strategies.

10. Challenge: Source Water Protection

Many local and regional water supply plans acknowledge that the VDH Source Water Assessment Program indicated high susceptibility for their sources of water supply, yet only 15 of the 48 water supply plans indicate a source water protection plan program has been completed or is under development. Completion of the Source Water Protection Plans process, using the same funding strategy mentioned above in coordination with VDH, should improve the long-term viability of storage and infrastructure in the Commonwealth.

Recommendation 10.1:

DEQ will coordinate with VDH and localities to urge localities to develop and implement Source Water Protection Plans. Localities can begin by reviewing the Source Water Assessment conducted by VDH and determining whether additional study of additional threats is needed. Land areas should be defined that contribute water to the system. Localities can develop zoning ordinances and other tools to ensure these areas are protected from water quality threats.

11. Challenge: Conflict Resolution

As discussed in the 2012 Final Report for the Water Supply Plan Advisory Committee, the SWRP is used as an informational tool for future water supply decisions and not for conflict resolution. The information derived from local and regional plans can be used to evaluate alternative water sources and to determine the extent of hydrologic conflicts between localities, regions, existing users, and

⁵ <http://www.epa.gov/climatechange/impacts-adaptation/>

other in-stream and off-stream beneficial uses. When conflicts are identified, DEQ can provide informal facilitation if requested, but attempts to resolve the conflict should be at the local level. Should it not be practical or logical for issues to be resolved at the local level, there are other remedies available that may assist with resolving issues between stakeholders. DEQ does not currently have the authority necessary to resolve conflicts beyond identifying them and facilitating discussion between localities and regions.

Under the current regulatory framework, conflicts arising from planned implementation of local and regional water supply plan alternatives can be resolved through the following methods:

- a) Issuance of Virginia Water Protection permits.
- b) Creation or use of a legislative or voluntary body (such as a river basin commission).
- c) Regulations, such as declaration of a Surface Water Management Area or Groundwater Management Area.
- d) Litigation among parties.

Recommendation 11.1:

DEQ should continue to work within the current regulatory framework to resolve conflicts.

12. Challenge: Public Education and Outreach

All residents of the Commonwealth should understand the need for managing Virginia's water resources so state, regional, and local water supply planning will be more effective. When people understand that the Commonwealth's water resources are not finite and that active management of existing resources is essential to meeting future demand, statewide educational efforts will likely be more successful, as localities may coordinate activities and inspire each other as they consider ways to reach more citizens. DEQ, other state agencies, and all localities must work in concert to provide accurate and useful information to ensure that citizens learn about the opportunities and benefits of improving water use efficiency. A comprehensive, statewide public education and outreach program can have a positive impact on Virginia's water resources.

Recommendation 12.1:

DEQ will engage localities and planning regions in water supply planning efforts, as follows:

- 1) Communicate the findings of the State Water Resources Plan, including the Cumulative Impact Analysis and probable impacts to water resources.
- 2) Assist localities with water supply planning compliance efforts as outlined in their condition of approval.
- 3) Improve modeling results by increasing the accuracy of the data, as follows:
 - a.3.1 Partner with a locality willing to serve as a pilot for the direct input of data into the DEQ content management system, ensuring the system is user friendly and easily accessible

- a.3.2 Train localities and water purveyors to directly input data into the content management system
- 4) Expand public education and outreach efforts to impress upon citizens the importance of water supply planning and conservation during drought.

In summary, the SWRP presents relevant information for local communities and their consultants to use when planning for future water supply needs, such as projected demand, anticipated deficits, potential water supply alternatives, and addressing the various state regulations and programs that affect water supply planning. The water supply planning regulation anticipated that localities would use the information included in the SWRP in their planning. To that end, DEQ anticipates updating the SWRP at five-year intervals, with each update reflecting the most recent local and regional water supply plans, water withdrawal data, and demand projections. The SWRP is intended to be a dynamic, iterative document that will be updated as new data becomes available.

