



**VIRGINIA DEPARTMENT OF HOUSING
AND COMMUNITY DEVELOPMENT**
Partners for Better Communities

DHCD's Financing Programs for Infrastructure

Governor's Infrastructure Financing Conference

The Hotel Roanoke & Conference Center

April 4, 2019

**DHCD
INFRASTRUCTURE
PROGRAMS AND
PROJECT EXAMPLES**



Resources

- **Appalachian Regional Commission (ARC)**
 - Distressed Counties
 - Access Road Program
- **Community Development Block Grant (CDBG)**
 - Competitive Grants
 - Community Facility
 - Open Submission
 - Construction Ready Water and Sewer
 - Regional Water/ Wastewater
- **Southwest Regional Water/ Wastewater**
- **Virginia Telecommunication Initiative (VATI)**



Appalachian Regional Commission (ARC)

- **Area Development Program** – Eligible for up to \$500,000 per project for broadband projects (access to primarily business and ancillary residential access)
- **Distressed Counties** – Eligible for up to \$500,000 per project infrastructure projects in ARC distressed counties; For FY2020 Buchanan, Dickenson, Lee, and Wise are classified as distressed by ARC
- **Access Road Program** – Funds are available for initial construction of local access road projects; Eligible for up to \$500,000 per project; Projects are managed by VDOT



Community Development Block Grants (CDBG)

- **Eligible Applicants** - Non-Entitlement communities
- **Outcomes** - Projects must meet one of three broad national objectives:
 - Benefit low- and moderate-income persons
 - Prevent or eliminate slums or blight
 - Address an urgent community development need (public emergency or health threat)



Community Development Block Grants (CDBG)

Community Facility (CF)

- Eligible for **up to \$1,000,000**
- **MUST** target a single, well-defined project area (neighborhood or entire locality)
- At least **51 percent** of households in project area must be low-to-moderate income

DHCD Funding Priorities

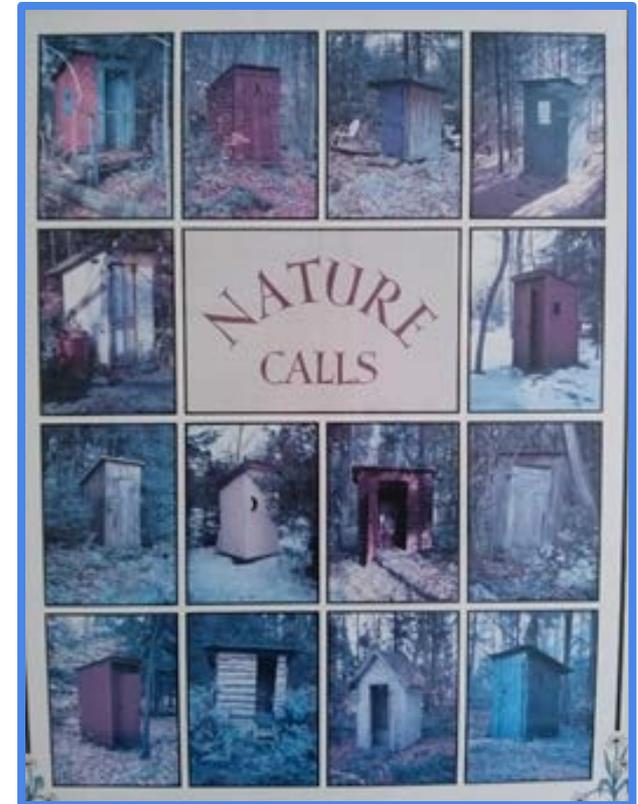
- Primary – projects providing new water/wastewater service to LMI persons
- Secondary – projects involving the replacement and rehabilitation of existing systems



Community Development Block Grants (CDBG)

Construction-Ready Water & Sewer

- Up to \$650,000 per project for installation or improvement of water or sewer service
- Cannot exceed \$15,000 for water and \$18,000 for sewer in CDBG funds per household
- Available for construction and allowable administrative expenses only
- CDBG funds cannot account for more than 75% of the construction cost of the project
- Project area must be at least 60% LMI households (if town-wide must be at 55% LMI)
- Grantees must be able to be under contract within 60 days



Southwest Regional Water/Wastewater

Funds are for planning and construction of public water and wastewater projects for Planning Districts 1, 2, and 3



Virginia Telecommunications Initiative (VATI)

About – Provide financial assistance to supplement construction costs by private sector internet service providers

- \$19,000,000 available for FY2020
- Unserved area – 10Mbps/1Mbps
- Requires a co-application with locality and provider
- VATI cannot exceed more than 80% of project costs



Wise County Sewer Project



Construction/ Installation of:

- 15,505 LF of 4" sewer line
- 23,925 LF of 2" sewer line
- 125-1,000 gallon watertight interceptor tanks at each house
- Public sewer service to 125 households

Accomplishment:

- Total persons assisted – 178
- New public water service to 73 households



Lee County Water Project

Installation of:

- 8,800 LF of eight-inch water line
- 20 service connections (12 of which are LMI households)
- 1 pressure-reducing station and installation of all necessary appurtenances

Accomplishment: Total persons assisted – 44



Lee County Water Project

This project provided public water service to the Blackwater community of Lee County through the installation of 72,913 LF of various-diameter water line and 12,879 LF of service line. It also included the installation (upgrade) of two booster pump stations and two storage tanks.

Accomplishment: Phase I connected 90 households (221 persons), 55 of which (129 persons) were LMI



Lee County Water Project



Installation of 10,550 LF of six-inch water line, 5,262 LF of four-inch water line, 18 LMI service connections, one hydro-pneumatic water storage tank, and construction of water booster station.

Accomplishment:

- Water line, hydro-pneumatic water storage tanks, and a water booster station were installed
- Thirty-two households connected to the water system
- Total persons assisted- 64



Russell County Water Project



Installation/Construction of:

- 10,300 LF of six-inch water line
- 29,400 LF of four-inch water line
- 3,050 LF of 3/4-inch service line
- 77 service connections (64 LMI)
- 1 hydro-pneumatic water storage tank
- 3 fire hydrants and all necessary appurtenances

Accomplishment: Total of 75 residential connections to the water system (54 of those connections were to LMI households)



Total persons assisted: 202

Haysi Hanging Fiber-Optic Line

This project installed a fiber-optic based community telecommunications network within the Town of Haysi, VA. The outcome of the project was to provide high-speed, affordable Internet access. The Town owns the network and is leasing operations to DCWIN (Dickenson County Wireless Integrated Network), the first Virginia wireless authority.

Network currently has 178 users.



Brookneal Project

- Construction of approximately 700 LF of 2" waterline and 500 LF of 5" waterline; Construction of approximately 2,000 LF of 8" gravity sewer
- Provided new water, sewer and indoor plumbing facilities within four neighborhoods located in Brookneal. Eleven households will have indoor plumbing for the first time.
- This project will result in new or improved water and sewer service to 129 persons of whom 123 are low- to moderate-income



Questions?

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GO VIRGINIA



GO Virginia



“Create more higher paying jobs through incentivized collaboration, primarily through out-of-state revenue, which diversifies and strengthens the economy in every region.”



GO Virginia

Funds projects in....

- Workforce and Credentialing
 - Commercialization
- Site & Infrastructure Development
 - Cluster Scale-Up



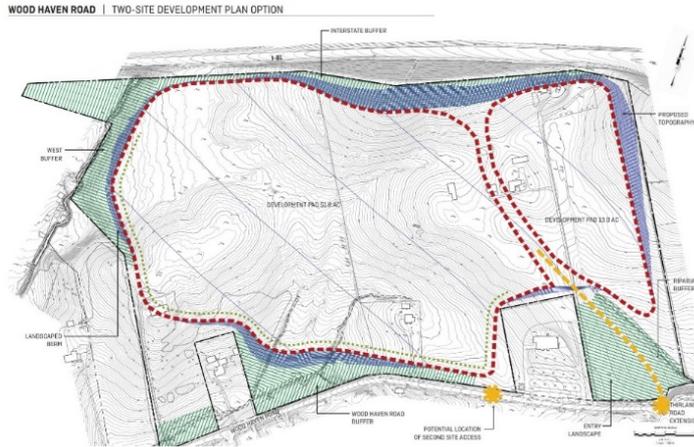
GO Virginia

Does not fund...

- Healthcare or quality of life projects
 - Incentives to a single company
 - Scholarships
 - Transportation projects
- General capital improvements



GO Virginia



- Western Virginia RIFA
- Wood Haven W/S Infrastructure



Questions?

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NATURAL DISASTER RECOVERY



NDR GRANT HISTORY

- Funding Source – 2014 Congress appropriated \$1 Billion in Competitive CDBG Funds for States and Cities that have experienced a natural disaster from a qualifying storm event. Virginia received the third highest dollar award of the thirteen communities who applied.
- Rockefeller Foundation – Partnered with HUD to shape the competition through TA and training opportunities and stress long term resilient solutions
- Application Process – Phase I: Risk Assessment and Planning; Phase II: Design and Implementation
- Final HUD Approved Project Area - The Ohio Creek Watershed, Norfolk
- Funding Details
 - Total - \$120,549,000
 - Norfolk - \$112,659,186 - Infrastructure Improvements
 - Rise - \$5,250,000 – Coastal Resilience Laboratory



CRITICAL ISSUES

- Due to its geographic position, being bounded and bisected by water, Norfolk is faced with the threat of sea level rise. Flooding from high tides and rain events is becoming more frequent, and the risk of inundation from storm surges is increasing. Compounding the risk from inland and coastal flooding, the southern Chesapeake Bay region is experiencing subsidence (the land naturally sinking) at a rate of 1.1 to 4.8 millimeters per year.
- Water has risen at Sewell's Point 1 ½ feet since the 1920s.



FORCES OF WATER



INFRASTRUCTURE COMPONENTS

- Transportation Infrastructure Improvements:
 - Road raising, realignment and improved vehicular access
- Storm Water Management
 - Tidal gates, pump stations, culverts, bioswales, permeable paving, and parcel-level measures such as rain barrels and rain gardens
- Coastal Defense/Living Shoreline
 - Earthen berm, stone sill, enhanced wetland, oyster reef, and small amounts of traditional flood wall
- Amenities and Green Space
 - Green space and recreational areas that are able to hold water during weather events



Questions?

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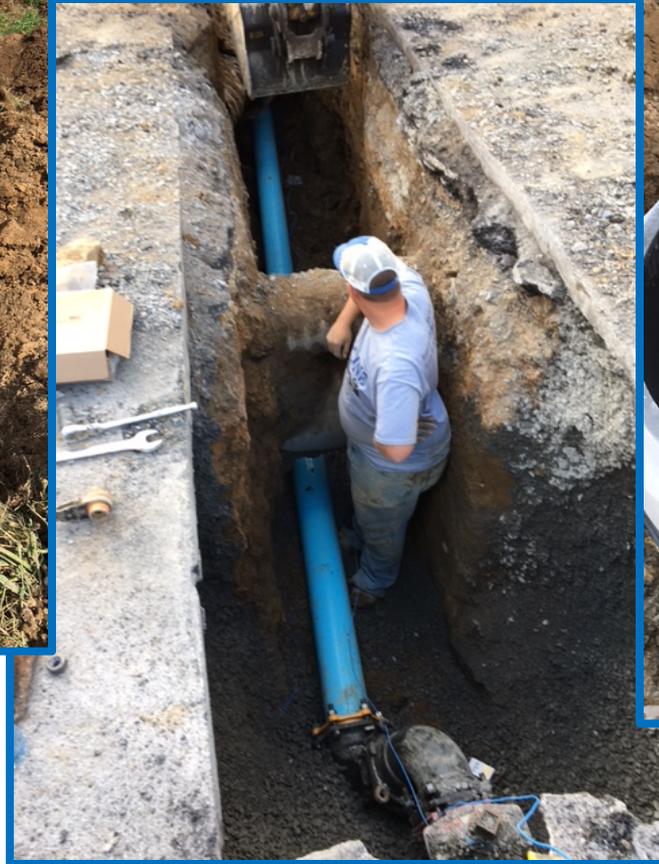
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**MOUNT ROGERS
PLANNING DISTRICT
COMMISSION
INFRASTRUCTURE
PROJECTS**



MOUNT ROGERS PDC



MOUNT ROGERS PDC



Questions?

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Governor's Infrastructure Financing Conference

Gail Moody, Southside PDC

April 2019

Mecklenburg County – Route 92 Waterline Extension Project
Town of Brodnax Water Project

Route 92 Waterline Extension Project – Mecklenburg County

Two Issues:

Town of Chase City – Population 2,606 (1,033 residential connections, 210 commercial, and 4 industrial)

- Water supply – 12 deep water wells
- 3 taken out of service – drilled in 1906, 1912, and 1916
- 9 were drilled in the early to mid 1940's
- Numerous water quality violations (lead, copper and bacteria)
- Capacity – dropping
- Pumps raised due to silt build up (decreasing draw down levels)
- 4 pump failures in one year
- Treatment process – soda ash (clogs water pipes, meters and damages hot water heaters)
- Residential complaints: water quality and water pressure
- Door-to-door survey: 74.8% LMI (low-to-moderate income)

Microsoft – Boydton Industrial Park

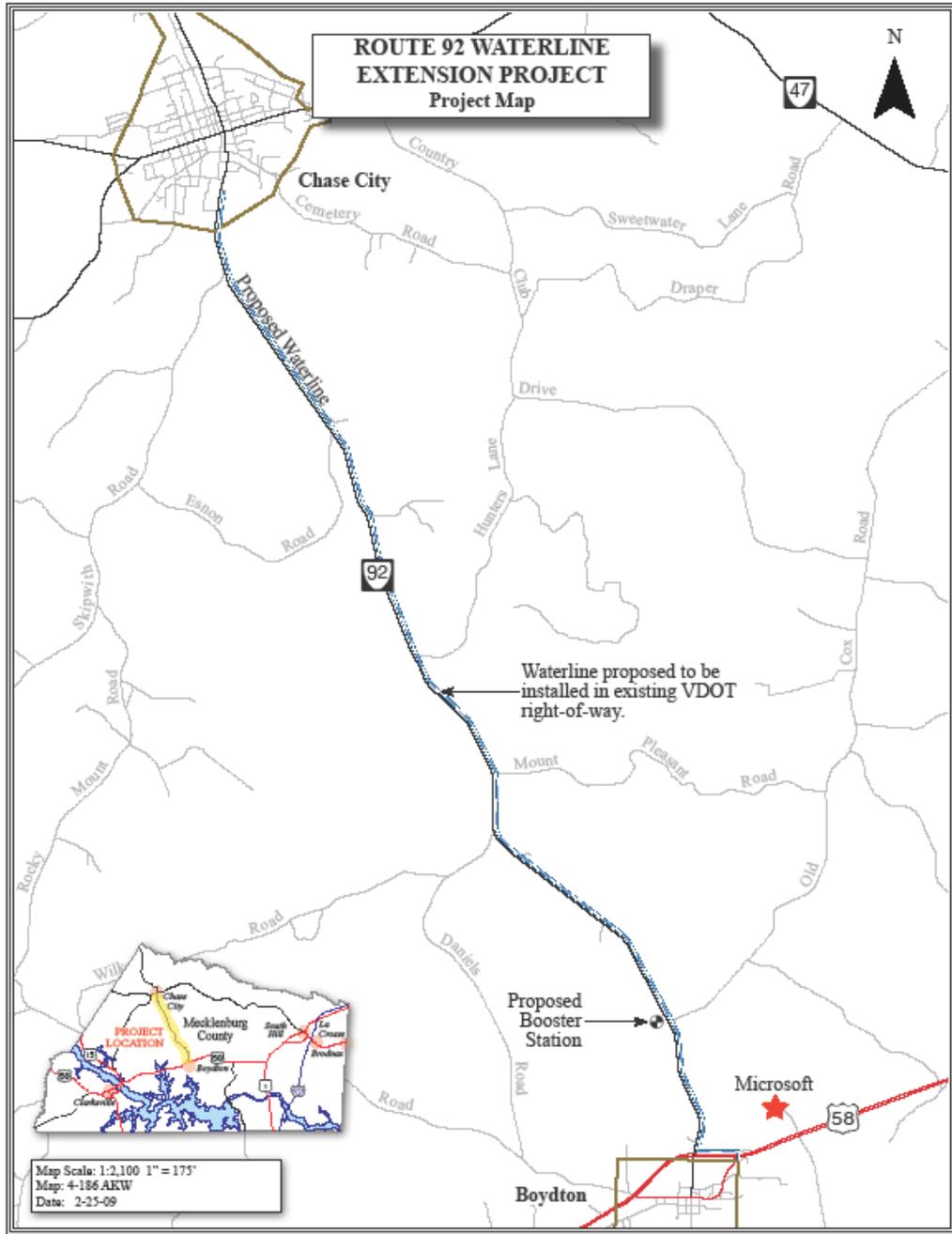
- Additional water storage capacity needed

Route 92 Waterline Extension Project – Mecklenburg County

PER Recommendations:

- Connect Town of Chase City to the Roanoke River Service Authority (RRSA)
- Install 55,000 LF, 12-inch water main from Boydton to Chase City (Route 92)
- Eliminate the need for wells
- RRSA – excess capacity of 3 million gpd
- Boydton, South Hill, LaCrosse, Brodnax and River Ridge (already connected)
- Booster Pump Station – located on Route 92
- Ground Water Storage Tank – located on pump station site
- Project costs: \$4.5 million

ROUTE 92 WATERLINE EXTENSION PROJECT Project Map



Route 92 Waterline Extension Project – Mecklenburg County



Route 92 – Pipe Installation



Water Storage Tank

Route 92 Waterline Project

Funding Sources Award/Grant #	Project Budget	TICR-ED Budget	EDA Budget	CDBG Budget	TICR-ED#2 Budget	VDH Budget	Local Budget
Rt 92 Waterline Extension							
Land/Easement/Appraisal	25,000.00	-	-	-	-	-	25,000.00
Grant Administration	95,000.00	-	-	20,000.00	-	-	75,000.00
Legal & Advertising	30,000.00	-	-	-	-	-	30,000.00
Engineering-7057	281,600.00	149,039.00	58,061.00	-	-	16,730.00	57,770.00
Engineering/Ccity-7057.03	18,300.00	-	-	18,300.00	-	-	-
Additional Engineering	6,000.00	4,065.00	-	-	-	-	1,935.00
Inspection (Part-time)	92,271.25	34,175.00	-	-	-	55,760.00	2,336.25
Construction	2,631,807.00	812,721.00	885,602.45	638,000.00	-	-	295,483.55
Constr. Material Testing	4,948.00	-	-	-	-	-	4,948.00
Chs Cty/Materials	337,778.80	-	-	323,700.00	-	-	13,450.40
Contingencies	152,361.75	-	-	-	-	-	152,361.75
Sub-Total	3,675,066.80	1,000,000.00	943,663.45	1,000,000.00	-	72,490.00	658,284.95
Ground Storage Tank							
Grant Administration	20,000.00	-	-	-	-	-	20,000.00
Engineering-7057.01	70,500.00	-	54,990.00	-	-	15,510.00	-
Geotechnical-7057.01	10,000.00	-	-	-	-	-	10,000.00
Inspection (Part-time)	18,000.00	-	18,000.00	-	-	-	-
Construction	678,800.00	-	233,346.55	-	400,482.00	-	44,971.45
Contingencies	67,880.00	-	-	-	-	-	67,880.00
Sub-Total	865,180.00	-	306,336.55	-	400,482.00	15,510.00	142,851.45
GRAND TOTAL	4,540,246.80	1,000,000.00	1,250,000.00	1,000,000.00	400,482.00	88,000.00	801,136.40

Brodnax Water System Improvement Project

- Town of Brodnax –Brunswick County
- Population 310 (2010 Census)
- Problem - The Town was experiencing frequent water maintenance issues as a result of its severely aging water distribution system
- Original system installed in 1947
- Solution – Critical improvements as identified in a PER were implemented (13,932 linear feet of replaced waterline) that provided the Town with a reliable, renewed system
- The Town identified improvements to the water system as its number one community need and identified the project in the CEDS
- CDBG and RD funding was utilized to implement the improvements

Brodnax Water System Improvement Project

IMPLEMENTATION STEPS:

- A Rural Development (RD) Search Grant (100% grant for communities with population less than 10,000) totaling \$30,000 funded the preparation of the PER and Environmental Review which were later utilized to apply for construction funds
- Town-wide surveys of both in-town and out-of-town water customers revealed that 53% were low-and moderate-income thus qualifying the Town to apply for Department of Housing and Community Development (DHCD) Community Development Block Grant (CDBG) funds

Brodnax Water System Improvement Project

- PDC staff prepared and submitted applications to DHCD for CDBG funds and to RD for grant/loan funds
- The construction project totaled \$1,867,000 of which \$1,000,000 were CDBG funds and \$867,000 was a RD grant/loan (2.625% over 40 years)
- Monthly Management Team meetings were held that included the town officials, PDC staff, project engineer, project contractor, community sparkplugs, and funding agency representatives; these meetings were necessary to maintain project momentum and incorporate funding agency collaboration

Brodnax Water System Improvement

- The project is complete, and surplus CDBG funds will be used to survey and map both the water and sewer infrastructure systems to facilitate future location and repair of lines

Questions?

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THANK YOU!

