

Northern Node Project Cost-to-Rate Comparison									
Project	Estimated Capital Cost <sup>1</sup>	Equivalent Residential Connections Added	Cost per Added Connection	Total Equivalent Residential Connections <sup>2,3</sup>	Cost per Total Connections	Annual Operating & Maintenance Expenses	Monthly Rate <sup>4,5,8,9</sup>	Potential Future Equivalent Residential Connections <sup>6</sup>	Conforms to County Comprehensive Plan
Nassawadox (incl. Hospital Campus) Collection	\$ 4,732,635			336	\$ 14,085			87	Yes
Exmore Collection	\$ 7,296,758			600	\$ 12,161			177	Yes
Hare Valley (Bayside Road) Collection	\$ 5,006,092			137	\$ 36,541			75	Yes
<b>Alt. 1: Towns &amp; County with 1 Treatment Plant</b>	<b>\$ 32,791,504</b>			<b>1,073</b>	<b>\$ 30,561</b>	<b>\$ 399,015</b>	<b>\$40.25</b>	<b>339</b>	
1 - Franktown Rd Collection Extension	\$ 462,431	42	\$ 11,010	1,115	\$ 29,824			13	No
2 - Brickhouse Rd Collection Extension	\$ 399,432	61	\$ 6,548	1,134	\$ 29,269		\$40.25	30	Yes
3 - Lankford Hwy Collection Extension	\$ 291,148	22	\$ 13,234	1,095	\$ 30,212			29	No
4 - Pine Tree Rd Collection Extension	\$ 303,785	19	\$ 15,989	1,092	\$ 30,307		\$42.00	9	Yes
5 - Giddens Rd/Sample Ct Collection Extension	\$ 235,932	25	\$ 9,437	1,098	\$ 30,080		\$41.75	7	Yes
<b>Alt. 1 Extended: Towns &amp; County + Options 2,4,5<sup>7</sup></b>	<b>\$ 34,801,807</b>	<b>105</b>		<b>1,178</b>	<b>\$ 29,543</b>	<b>\$ 418,727</b>	<b>\$41.75</b>	<b>427</b>	
Nassawadox (incl. Hospital Campus) Collection	\$ 4,670,546			336	\$ 13,900			87	Yes
Exmore Collection	\$ 7,293,518			600	\$ 12,156			177	Yes
<b>Alt. 2: Nassawadox &amp; Exmore with 2 Treatment Plants</b>	<b>\$ 26,959,728</b>			<b>936</b>	<b>\$ 28,803</b>	<b>\$ 383,617</b>	<b>\$48.00</b>	<b>264</b>	
Nassawadox (incl. Hospital Campus) Collection	\$ 4,732,635			336	\$ 14,085			87	Yes
Exmore Collection	\$ 7,296,758			600	\$ 12,161			177	Yes
Connector Force Main	\$ 1,561,118			0	\$ -			137	Yes
<b>Alt. 3: Nassawadox &amp; Exmore with 1 Treatment Plant</b>	<b>\$ 28,229,604</b>			<b>936</b>	<b>\$ 30,160</b>	<b>\$ 362,682</b>	<b>\$46.00</b>	<b>401</b>	
Southern Node Project Cost-to-Rate Comparison									
Project	Estimated Capital Cost	Equivalent Residential Connections Added	Cost per Added Connection	Total Equivalent Residential Connections	Cost per Total Connections	Annual Operating & Maintenance Expenses	Monthly Rate	Potential Future Equivalent Residential Connections	Conforms to County Comprehensive Plan
Cheriton (w/ Fairview)	\$ 11,000,000			683	\$ 16,105		\$ 42.00		Yes
Cheriton (w/o Fairview)	\$ 9,400,000	-138		545	\$ 17,248		\$ 54.50		Yes

Notes:

- Estimated Capital Costs are for materials, construction, engineering, inspection, legal, and land acquisitions.
- Total Equivalent Residential Connections are the sum of 80% of the residences and businesses served by the project.
- 1 commercial connection = 2.5 residential connections
- Monthly rate includes annual operations, maintenance costs, equipment repair and replacement budgets.
- Monthly rate based on 80% grant funding and 20% loan funding at 0% for 30 years
- A potential future connection does not require the extension of an existing vacuum main.
- Alt 1 Extended: Towns & County + Options 2,4,5 includes a 15% increase in treatment plant, dispersal field, and associated operation & maintenance costs.
- The calculated rate assumes revenue of \$120,000 annually from the septage receiving facility and \$30,000 annually from the composting facility.
- The lowest rate allowable for Northampton County is approximately \$33.00/month in order to receive funding from US Department of Agriculture - Rural Development.
- Start-up staffing is one (1) administrator/supervisor and one (1) technician. Additional staffing is required beyond year 5.