

GILES COUNTY PROJECT DATA SHEETS

PROJECT DATA SHEET

Table 29		Table 30																									
Project Name:	Marville (G-1)	Project Name:	Route 100 - Ingram Village / Oney / Mutter (G-2)																								
County:	Giles	County:	Giles																								
Type of Project:	Centralized	Type of Project:	Centralized																								
Utility Provider:	Giles County BOS	Utility Provider:	Giles County BOS / Town of Pearisburg																								
Responsible Mgmt Entity?	Giles County BOS	Responsible Mgmt Entity?	Giles County BOS / Town of Pearisburg																								
Existing Water System?	Yes	Existing Water System?	Yes																								
Existing Conditions:	The project area is currently not served by a public sewage system.	Existing Conditions:	The project area is currently not served by a public sewage system.																								
Proposed Project:	The project consists of approximately 23,138 linear feet of 8-inch gravity sewer.	Proposed Project:	The project consists of approximately 50,775 linear feet of 8-inch gravity sewer, 7,641 linear feet of 2-inch force main, three grinder pump station, and upgrade of the Town's WWTP.																								
Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Narrows Town - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2500</td></tr> <tr><td>Average Flow =</td><td>0.18</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Narrows Town - Sewage Treatment Plant	Design Flow =	0.2500	Average Flow =	0.18	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes	Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Town of Pearisburg - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2750</td></tr> <tr><td>Average Flow =</td><td>0.19</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Town of Pearisburg - Sewage Treatment Plant	Design Flow =	0.2750	Average Flow =	0.19	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes
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Receiving Stream =	New River																										
Stream Classification =	IV																										
Impaired Stream	Yes																										
Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Wolf Creek (tributary to New River)</td></tr> <tr><td>Impaired =</td><td>Yes</td></tr> <tr><td>Within Vicinity =</td><td>Yes</td></tr> </table>	Name =	Wolf Creek (tributary to New River)	Impaired =	Yes	Within Vicinity =	Yes	Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Two UTs to Walker Creek (tributary to New River)</td></tr> <tr><td>Impaired =</td><td>Yes</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	Two UTs to Walker Creek (tributary to New River)	Impaired =	Yes	Within Vicinity =	No												
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Within Vicinity =	No																										
Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>108</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	108	Industrial	0	Commercial =	0	Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>296</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>1</td></tr> </table>	Residential =	296	Industrial	0	Commercial =	1												
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Industrial	0																										
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Health Hazard:	Known older homes with septic systems.	Health Hazard:	Documented septic failures.																								
Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td>X</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	X	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available		Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td></td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td>X</td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available		WWTP/Collection System Upgrades Required	X	WWTP/Collection System Not Available													
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Growth Potential:	Residential growth potential only	Growth Potential:	Residential growth potential only																								
Total Project Cost:	\$2,673,140	Total Project Cost:	\$7,119,379																								
Present Worth Per Connection:	\$24,992	Present Worth Per Connection:	\$24,534																								

PROJECT DATA SHEET

Table 31		Table 32																									
Project Name:	Cascades Drive Extension (G-3)	Project Name:	Virginia Heights / River Bend (G-4)																								
County:	Giles	County:	Giles																								
Type of Project:	Centralized	Type of Project:	Centralized																								
Utility Provider:	Giles County BOS / Town of Pembroke	Utility Provider:	Giles County BOS / Town of Pearisburg																								
Responsible Mgmt Entity?	Giles County BOS / Town of Pembroke	Responsible Mgmt Entity?	Giles County BOS / Town of Pearisburg																								
Existing Water System?	No	Existing Water System?	No																								
Existing Conditions:	The project area is currently not served by a public sewage system.	Existing Conditions:	The project area is currently not served by a public sewage system.																								
Proposed Project:	The project consists of approximately 12,461 linear feet of 8-inch gravity sewer.	Proposed Project:	The project consists of approximately 20,365 linear feet of 8-inch gravity sewer, 8,859 linear feet of 4-inch force main, 1,066 linear feet of 2-inch force main, one pump																								
Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Pembroke Town - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2000</td></tr> <tr><td>Average Flow =</td><td>0.095</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Pembroke Town - Sewage Treatment Plant	Design Flow =	0.2000	Average Flow =	0.095	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes	Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Pearisburg Town - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2750</td></tr> <tr><td>Average Flow =</td><td>0.19</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Pearisburg Town - Sewage Treatment Plant	Design Flow =	0.2750	Average Flow =	0.19	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes
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Impaired Stream	Yes																										
Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Little Stony Creek (tributary to New River)</td></tr> <tr><td>Impaired =</td><td>No</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	Little Stony Creek (tributary to New River)	Impaired =	No	Within Vicinity =	No	Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Walker Creek, New River</td></tr> <tr><td>Impaired =</td><td>Yes</td></tr> <tr><td>Within Vicinity =</td><td>Yes</td></tr> </table>	Name =	Walker Creek, New River	Impaired =	Yes	Within Vicinity =	Yes												
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Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>45</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	45	Industrial	0	Commercial =	0	Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>99</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	99	Industrial	0	Commercial =	0												
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Health Hazard:	Documented septic failures.	Health Hazard:	Known older homes with septic systems.																								
Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td align="center">X</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	X	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available		Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td align="center">X</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	X	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available													
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Growth Potential:	No growth potential	Growth Potential:	Residential growth potential only																								
Total Project Cost:	\$1,407,180	Total Project Cost:	\$3,133,806																								
Present Worth Per Connection:	\$31,590	Present Worth Per Connection:	\$32,910																								

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Table 33		Table 34																									
Project Name:	Mountain Lake (G-5)	Project Name:	Pearisburg System Improvements (G-6)																								
County:	Giles	County:	Giles																								
Type of Project:	Centralized	Type of Project:	Centralized																								
Utility Provider:	Giles County BOS	Utility Provider:	Town of Pearisburg																								
Responsible Mgmt Entity?	Giles County BOS	Responsible Mgmt Entity?	Town of Pearisburg																								
Existing Water System?	Yes	Existing Water System?	Yes																								
Existing Conditions:	The project area is currently not served by a public sewage system.	Existing Conditions:	The project area is currently served by 107 manholes in need of replacement.																								
Proposed Project:	The project consists of approximately 4,900 linear feet of 8-inch gravity sewer and 14,500 linear feet of 4-inch gravity force main.	Proposed Project:	The project consists of the replacement of 107 manholes.																								
Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Pembroke Town - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2000</td></tr> <tr><td>Average Flow =</td><td>0.095</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Pembroke Town - Sewage Treatment Plant	Design Flow =	0.2000	Average Flow =	0.095	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes	Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Town of Pearisburg - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2750</td></tr> <tr><td>Average Flow =</td><td>0.19</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Town of Pearisburg - Sewage Treatment Plant	Design Flow =	0.2750	Average Flow =	0.19	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes
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Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Doe Creek (tributary to New River)</td></tr> <tr><td>Impaired =</td><td>No</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	Doe Creek (tributary to New River)	Impaired =	No	Within Vicinity =	No	Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>New River</td></tr> <tr><td>Impaired =</td><td>No</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	New River	Impaired =	No	Within Vicinity =	No												
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Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>62</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	62	Industrial	0	Commercial =	0	Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>0</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	0	Industrial	0	Commercial =	0												
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Health Hazard:	Known older homes with septic systems.	Health Hazard:	None.																								
Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td>X</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	X	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available		Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td>X</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	X	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available													
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Growth Potential:	No growth potential	Growth Potential:	No growth potential																								
Total Project Cost:	\$1,190,600	Total Project Cost:	\$389,500																								
Present Worth Per Connection:	\$19,560	Present Worth Per Connection:	n/a																								

PROJECT DATA SHEET

Table 35		Table 36																									
Project Name:	Pearisburg System Improvements (G-7)	Project Name:	Maybrook West (G-8)																								
County:	Giles	County:	Giles																								
Type of Project:	Centralized	Type of Project:	Centralized																								
Utility Provider:	Town of Pearisburg	Utility Provider:	Giles County BOS																								
Responsible Mgmt Entity?	Town of Pearisburg	Responsible Mgmt Entity?	Giles County BOS																								
Existing Water System?	Yes	Existing Water System?	Yes																								
Existing Conditions:	The project is currently served with 8-inch gravity sewer in need of upgrade.	Existing Conditions:	The project area is currently not served by a public sewage system.																								
Proposed Project:	The project consists of the replacement of approximately 1,700 linear feet of 8-inch gravity sewer.	Proposed Project:	The project consists of approximately 1,100 linear feet of 12-inch gravity sewer, 8,090 linear feet of 10-inch gravity sewer, 50,780 linear feet of 8-inch gravity sewer,																								
Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Town of Pearisburg - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2750</td></tr> <tr><td>Average Flow =</td><td>0.19</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Town of Pearisburg - Sewage Treatment Plant	Design Flow =	0.2750	Average Flow =	0.19	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes	Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Pembroke Town - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2000</td></tr> <tr><td>Average Flow =</td><td>0.095</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Pembroke Town - Sewage Treatment Plant	Design Flow =	0.2000	Average Flow =	0.095	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes
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Growth Potential:	No growth potential	Growth Potential:	Industrial and residential growth potential																								
Total Project Cost:	\$176,800	Total Project Cost:	\$8,617,920																								
Present Worth Per Connection:	n/a	Present Worth Per Connection:	\$55,040																								

PROJECT DATA SHEET

Table 37		Table 38																									
Project Name:	Maybrook East Sub-Area (G-9)	Project Name:	Newport Sub-Area (G-10)																								
County:	Giles	County:	Giles																								
Type of Project:	Centralized	Type of Project:	Centralized																								
Utility Provider:	Giles County BOS	Utility Provider:	Giles County BOS																								
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Existing Conditions:	The project area is currently not served by a public sewage system.	Existing Conditions:	The project area is currently not served by a public sewage system.																								
Proposed Project:	The project consists of approximately 34,420 linear feet of 8-inch gravity sewer, 1,490 linear feet of 6-inch force main, and one pump station.	Proposed Project:	The project consists of approximately 35,410 linear feet of 8-inch gravity sewer.																								
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Stream Classification =	IV																										
Impaired Stream	Yes																										
Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Sinking Creek (tributary to New River)</td></tr> <tr><td>Impaired =</td><td>No</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	Sinking Creek (tributary to New River)	Impaired =	No	Within Vicinity =	No	Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Spruce Run (tributary to New River)</td></tr> <tr><td>Impaired =</td><td>No</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	Spruce Run (tributary to New River)	Impaired =	No	Within Vicinity =	No												
Name =	Sinking Creek (tributary to New River)																										
Impaired =	No																										
Within Vicinity =	No																										
Name =	Spruce Run (tributary to New River)																										
Impaired =	No																										
Within Vicinity =	No																										
Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>70</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	70	Industrial	0	Commercial =	0	Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>93</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>7</td></tr> </table>	Residential =	93	Industrial	0	Commercial =	7												
Residential =	70																										
Industrial	0																										
Commercial =	0																										
Residential =	93																										
Industrial	0																										
Commercial =	7																										
Health Hazard:	Known older homes with septic systems.	Health Hazard:	Known older homes with septic systems.																								
Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td></td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td>X</td></tr> </table>	WWTP/Collection System Available		WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available	X	Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td></td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td>X</td></tr> </table>	WWTP/Collection System Available		WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available	X												
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WWTP/Collection System Upgrades Required																											
WWTP/Collection System Not Available	X																										
WWTP/Collection System Available																											
WWTP/Collection System Upgrades Required																											
WWTP/Collection System Not Available	X																										
Growth Potential:	Industrial and residential growth potential	Growth Potential:	Industrial and residential growth potential																								
Total Project Cost:	\$4,683,690	Total Project Cost:	\$4,709,700																								
Present Worth Per Connection:	\$67,490	Present Worth Per Connection:	\$47,500																								

PROJECT DATA SHEET

Table 39		Table 40																									
Project Name:	Clover Hollow Sub-Area (G-11)	Project Name:	State Route 42 (G-12)																								
County:	Giles	County:	Giles																								
Type of Project:	Centralized	Type of Project:	Centralized																								
Utility Provider:	Giles County BOS	Utility Provider:	Giles County BOS																								
Responsible Mgmt Entity?	Giles County BOS	Responsible Mgmt Entity?	Giles County BOS																								
Existing Water System?	Yes	Existing Water System?	No																								
Existing Conditions:	The project area is currently not served by a public sewage system.	Existing Conditions:	The project area is currently not served by a public sewage system.																								
Proposed Project:	The project consists of approximately 14,390 linear feet of 8-inch gravity sewer, 650 linear feet of 6-inch force main, and one pump station.	Proposed Project:	The project consists of approximately 44,630 linear feet of 8-inch gravity sewer, 1,077 feet of 2-inch force main, and one grinder pump station.																								
Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Pembroke Town - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2000</td></tr> <tr><td>Average Flow =</td><td>0.095</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Pembroke Town - Sewage Treatment Plant	Design Flow =	0.2000	Average Flow =	0.095	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes	Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>Pembroke Town - Sewage Treatment Plant</td></tr> <tr><td>Design Flow =</td><td>0.2000</td></tr> <tr><td>Average Flow =</td><td>0.095</td></tr> <tr><td>Receiving Stream =</td><td>New River</td></tr> <tr><td>Stream Classification =</td><td>IV</td></tr> <tr><td>Impaired Stream</td><td>Yes</td></tr> </table>	Name =	Pembroke Town - Sewage Treatment Plant	Design Flow =	0.2000	Average Flow =	0.095	Receiving Stream =	New River	Stream Classification =	IV	Impaired Stream	Yes
Name =	Pembroke Town - Sewage Treatment Plant																										
Design Flow =	0.2000																										
Average Flow =	0.095																										
Receiving Stream =	New River																										
Stream Classification =	IV																										
Impaired Stream	Yes																										
Name =	Pembroke Town - Sewage Treatment Plant																										
Design Flow =	0.2000																										
Average Flow =	0.095																										
Receiving Stream =	New River																										
Stream Classification =	IV																										
Impaired Stream	Yes																										
Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Clover Hollow, Sinking Creek (tributaries to New River)</td></tr> <tr><td>Impaired =</td><td>No</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	Clover Hollow, Sinking Creek (tributaries to New River)	Impaired =	No	Within Vicinity =	No	Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>Sinking Creek (tributary to New River)</td></tr> <tr><td>Impaired =</td><td>No</td></tr> <tr><td>Within Vicinity =</td><td>No</td></tr> </table>	Name =	Sinking Creek (tributary to New River)	Impaired =	No	Within Vicinity =	No												
Name =	Clover Hollow, Sinking Creek (tributaries to New River)																										
Impaired =	No																										
Within Vicinity =	No																										
Name =	Sinking Creek (tributary to New River)																										
Impaired =	No																										
Within Vicinity =	No																										
Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>34</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	34	Industrial	0	Commercial =	0	Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>57</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	57	Industrial	0	Commercial =	0												
Residential =	34																										
Industrial	0																										
Commercial =	0																										
Residential =	57																										
Industrial	0																										
Commercial =	0																										
Health Hazard:	Known older homes with septic systems.	Health Hazard:	Known older homes with septic systems.																								
Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td></td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td>X</td></tr> </table>	WWTP/Collection System Available		WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available	X	Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td></td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td>X</td></tr> </table>	WWTP/Collection System Available		WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available	X												
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WWTP/Collection System Upgrades Required																											
WWTP/Collection System Not Available	X																										
WWTP/Collection System Available																											
WWTP/Collection System Upgrades Required																											
WWTP/Collection System Not Available	X																										
Growth Potential:	Industrial and residential growth potential	Growth Potential:	Residential growth potential only																								
Total Project Cost:	\$2,196,950	Total Project Cost:	\$5,351,063																								
Present Worth Per Connection:	\$65,120	Present Worth Per Connection:	\$95,380																								

PROJECT DATA SHEET

Table 41

Project Name:	Sinking Creek North (G-13)	
County:	Giles	
Type of Project:	Centralized	
Utility Provider:	Giles County BOS	
Responsible Mgmt Entity?	Giles County BOS	
Existing Water System?	Yes	
Existing Conditions:	The project area is currently not served by a public sewage system.	
Proposed Project:	The project consists of 33,145 linear feet of 8-inch gravity sewer, 2,530 linear feet of 4-inch force main, and two pump stations.	
Existing WWTP:	Name =	Pembroke Town - Sewage Treatment Plant
	Design Flow =	0.2000
	Average Flow =	0.095
	Receiving Stream =	New River
	Stream Classification =	IV
	Impaired Stream	Yes
Watershed or Adjacent Stream:	Name =	Sinking Creek, New River
	Impaired =	No
	Within Vicinity =	No
Equivalent Customers Served:	Residential =	125
	Industrial	0
	Commercial =	0
Health Hazard:	Known older homes with septic systems.	
Construction Feasibility:	WWTP/Collection System Available	
	WWTP/Collection System Upgrades Required	X
	WWTP/Collection System Not Available	
Growth Potential:	Residential growth only	
Total Project Cost:	\$4,497,940	
Present Worth Per Connection:	\$37,210	

Table 42

Project Name:	Sinking Creek South Phase I (G-14)	
County:	Giles	
Type of Project:	Centralized	
Utility Provider:	Giles County BOS	
Responsible Mgmt Entity?	Giles County BOS	
Existing Water System?	Yes	
Existing Conditions:	The project area is currently not served by a public sewage system.	
Proposed Project:	The project consists of approximately 39,910 linear feet of 8-inch gravity sewer, 4,380 linear feet of 4-inch force main, and two sewage pump stations.	
Existing WWTP:	Name =	Pembroke Town - Sewage Treatment Plant
	Design Flow =	0.2000
	Average Flow =	0.095
	Receiving Stream =	New River
	Stream Classification =	IV
	Impaired Stream	Yes
Watershed or Adjacent Stream:	Name =	UT to Sinking Creek, Sinking Creek (tributary to New River)
	Impaired =	No
	Within Vicinity =	No
Equivalent Customers Served:	Residential =	48
	Industrial	0
	Commercial =	0
Health Hazard:	Known older homes with septic systems.	
Construction Feasibility:	WWTP/Collection System Available	X
	WWTP/Collection System Upgrades Required	
	WWTP/Collection System Not Available	
Growth Potential:	Residential growth potential only	
Total Project Cost:	\$5,334,540	
Present Worth Per Connection:	\$112,180	

PROJECT DATA SHEET

Table 45			Table 46		
Project Name:	Ripplemead Community Sewer Project (DC-6)		Project Name:	Snidertown Community Sewer Project (DC-8)	
County:	Giles		County:	Giles	
Type of Project:	Decentralized Wastewater System		Type of Project:	Decentralized	
Utility Provider:	Giles County		Utility Provider:	Giles County	
Responsible Mgmt Entity?	Giles County		Responsible Mgmt Entity?	Giles County	
Existing Water System?	Public Water		Existing Water System?	Permitted System	
Existing Conditions:	Old homes on small lots. Many issues with failures and odors. Central sewerage would require a grinder pump station and a couple of miles of force mains for central sewer. Poor clay soils adversely affect onsite disposal. Community established about 1950s.		Existing Conditions:	Several failures reported by Health Department. Sewer system badly needed.	
Proposed Project:	Employ biofilter treatment system and uv disinfection and discharge into New River. Estimate of 105 gravity collection units and 35 pump systems required to flow to treatment system.		Proposed Project:	Combination of STEP/STEG collection. Treat to advanced secondary standard using biofilter. Disinfect and discharge to stream.	
Existing WWTP:	Name =	N/A	Existing WWTP:	Name =	N/A
	Design Flow =			Design Flow =	
	Average Flow =			Average Flow =	
	Receiving Stream =			Receiving Stream =	
	Stream Classification =			Stream Classification =	
	Impaired Stream			Impaired Stream	
Watershed or Adjacent Stream:	Name =	New River	Watershed or Adjacent Stream:	Name =	Stony Creek
	Impaired =	No		Impaired =	No
	Within Vicinity =	No		Within Vicinity =	No
Equivalent Customers Served:	Residential =	140	Equivalent Customers Served:	Residential =	24
	Industrial	0		Industrial	0
	Commercial =	0		Commercial =	0
Health Hazard:	No		Health Hazard:	No	
Construction Feasibility:	WWTP/Collection System Available	No	Construction Feasibility:	WWTP/Collection System Available	No
	WWTP/Collection System Upgrades Required			WWTP/Collection System Upgrades Required	
	WWTP/Collection System Not Available			WWTP/Collection System Not Available	
Growth Potential:	Residential growth estimated at 10%.		Growth Potential:	None.	
Total Project Cost:	\$1,821,400		Total Project Cost:	\$407,400	
Present Worth Per Connection:	\$15,707		Present Worth Per Connection:	\$19,913	

PROJECT DATA SHEET

Table 47		Table 48																								
Project Name:	<input type="text" value="Ram Wayside Sewer Project (DC-7)"/>	Project Name:	<input type="text" value="Staffordsville Community Sewer Project (DC-10)"/>																							
County:	<input type="text" value="Giles"/>	County:	<input type="text" value="Giles"/>																							
Type of Project:	<input type="text" value="Decentralized"/>	Type of Project:	<input type="text" value="Decentralized"/>																							
Utility Provider:	<input type="text" value="Giles County"/>	Utility Provider:	<input type="text" value="Giles County"/>																							
Responsible Mgmt Entity?	<input type="text" value="Giles County"/>	Responsible Mgmt Entity?	<input type="text" value="Giles County"/>																							
Existing Water System?	<input type="text" value="Public Water"/>	Existing Water System?	<input type="text" value="Private Wells"/>																							
Existing Conditions:	<input type="text" value="These communities are located near Rich Creek where soils are awful. MHP is old and several trailers are vacant. Steep terrain at 10% overlooking New River. Approximately 50 homes needing sewer in this area."/>																									
Proposed Project:	<input type="text" value="Gravity collection should work well for this community. Advanced secondary treatment with UV disinfection system and discharge into Spring Hollow and then into New River."/>																									
Existing WWTP:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name =</td><td align="center">N/A</td></tr> <tr><td>Design Flow =</td><td></td></tr> <tr><td>Average Flow =</td><td></td></tr> <tr><td>Receiving Stream =</td><td></td></tr> <tr><td>Stream Classification =</td><td></td></tr> <tr><td>Impaired Stream</td><td></td></tr> </table>	Name =	N/A	Design Flow =		Average Flow =		Receiving Stream =		Stream Classification =		Impaired Stream		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name =</td><td align="center">N/A</td></tr> <tr><td>Design Flow =</td><td></td></tr> <tr><td>Average Flow =</td><td></td></tr> <tr><td>Receiving Stream =</td><td></td></tr> <tr><td>Stream Classification =</td><td></td></tr> <tr><td>Impaired Stream</td><td></td></tr> </table>	Name =	N/A	Design Flow =		Average Flow =		Receiving Stream =		Stream Classification =		Impaired Stream	
Name =	N/A																									
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Name =	N/A																									
Design Flow =																										
Average Flow =																										
Receiving Stream =																										
Stream Classification =																										
Impaired Stream																										
Watershed or Adjacent Stream:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name =</td><td align="center">Spring Hollow</td></tr> <tr><td>Impaired =</td><td align="center">No</td></tr> <tr><td>Within Vicinity =</td><td align="center">No</td></tr> </table>	Name =	Spring Hollow	Impaired =	No	Within Vicinity =	No	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Name =</td><td align="center">WALKER CREEK</td></tr> <tr><td>Impaired =</td><td align="center">YES</td></tr> <tr><td>Within Vicinity =</td><td align="center">YES</td></tr> </table>	Name =	WALKER CREEK	Impaired =	YES	Within Vicinity =	YES												
Name =	Spring Hollow																									
Impaired =	No																									
Within Vicinity =	No																									
Name =	WALKER CREEK																									
Impaired =	YES																									
Within Vicinity =	YES																									
Equivalent Customers Served:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Residential =</td><td align="center">50</td></tr> <tr><td>Industrial</td><td align="center">0</td></tr> <tr><td>Commercial =</td><td align="center">0</td></tr> </table>	Residential =	50	Industrial	0	Commercial =	0	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Residential =</td><td align="center">38</td></tr> <tr><td>Industrial</td><td align="center">0</td></tr> <tr><td>Commercial =</td><td align="center">2</td></tr> </table>	Residential =	38	Industrial	0	Commercial =	2												
Residential =	50																									
Industrial	0																									
Commercial =	0																									
Residential =	38																									
Industrial	0																									
Commercial =	2																									
Health Hazard:	<input type="text" value="Yes"/>																									
Construction Feasibility:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>WWTP/Collection System Available</td><td align="center">No</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	No	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>WWTP/Collection System Available</td><td align="center">NO</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	NO	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available													
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WWTP/Collection System Not Available																										
WWTP/Collection System Available	NO																									
WWTP/Collection System Upgrades Required																										
WWTP/Collection System Not Available																										
Growth Potential:	<input type="text" value="The project area could easily be doubled with the addition of River Bend."/>																									
Total Project Cost:	<input type="text" value="\$618,870"/>	Total Project Cost:	<input type="text" value="\$597,800"/>																							
Present Worth Per Connection:	<input type="text" value="\$15,079"/>	Present Worth Per Connection:	<input type="text" value="\$18,018"/>																							

PROJECT DATA SHEET

Table 49		Table 50																									
Project Name:	Eggleston Community Sewer System (DC-9)	Project Name:	Eggleston East/Campground Sewer System (DC-12)																								
County:	Giles	County:	Giles																								
Type of Project:	Decentralized	Type of Project:	Decentralized																								
Utility Provider:	Giles County	Utility Provider:	Giles County																								
Responsible Mgmt Entity?	Giles County	Responsible Mgmt Entity?	Giles County																								
Existing Water System?	Private Wells	Existing Water System?	Yes																								
Existing Conditions:	30 homes in this community along New River. Sandy soils are available, but offers little treatment. New restaurant could not get onsite system and was forced to use discharge system.	Existing Conditions:	This project area is currently not served by a public sewage system. There are 25 permanent residences in the area, and many campers reside here during warm months. Sewage system is needed.																								
Proposed Project:	Combination STEP/STEG collection with advance secondary treatment and UV disinfection.	Proposed Project:	A 10,000 gpd treatment system is needed to serve the equivalent of 50 homes. The treated effluent would be disinfected and discharged into the New River. Most homes would be served by gravity flow to the treatment plant.																								
Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>N/A</td></tr> <tr><td>Design Flow =</td><td></td></tr> <tr><td>Average Flow =</td><td></td></tr> <tr><td>Receiving Stream =</td><td></td></tr> <tr><td>Stream Classification =</td><td></td></tr> <tr><td>Impaired Stream</td><td></td></tr> </table>	Name =	N/A	Design Flow =		Average Flow =		Receiving Stream =		Stream Classification =		Impaired Stream		Existing WWTP:	<table border="1"> <tr><td>Name =</td><td>N/A</td></tr> <tr><td>Design Flow =</td><td></td></tr> <tr><td>Average Flow =</td><td></td></tr> <tr><td>Receiving Stream =</td><td></td></tr> <tr><td>Stream Classification =</td><td></td></tr> <tr><td>Impaired Stream</td><td></td></tr> </table>	Name =	N/A	Design Flow =		Average Flow =		Receiving Stream =		Stream Classification =		Impaired Stream	
Name =	N/A																										
Design Flow =																											
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Name =	N/A																										
Design Flow =																											
Average Flow =																											
Receiving Stream =																											
Stream Classification =																											
Impaired Stream																											
Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>NEW RIVER</td></tr> <tr><td>Impaired =</td><td>NO</td></tr> <tr><td>Within Vicinity =</td><td>NO</td></tr> </table>	Name =	NEW RIVER	Impaired =	NO	Within Vicinity =	NO	Watershed or Adjacent Stream:	<table border="1"> <tr><td>Name =</td><td>NEW RIVER</td></tr> <tr><td>Impaired =</td><td>NO</td></tr> <tr><td>Within Vicinity =</td><td>NO</td></tr> </table>	Name =	NEW RIVER	Impaired =	NO	Within Vicinity =	NO												
Name =	NEW RIVER																										
Impaired =	NO																										
Within Vicinity =	NO																										
Name =	NEW RIVER																										
Impaired =	NO																										
Within Vicinity =	NO																										
Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>26</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>4</td></tr> </table>	Residential =	26	Industrial	0	Commercial =	4	Equivalent Customers Served:	<table border="1"> <tr><td>Residential =</td><td>50</td></tr> <tr><td>Industrial</td><td>0</td></tr> <tr><td>Commercial =</td><td>0</td></tr> </table>	Residential =	50	Industrial	0	Commercial =	0												
Residential =	26																										
Industrial	0																										
Commercial =	4																										
Residential =	50																										
Industrial	0																										
Commercial =	0																										
Health Hazard:	Yes	Health Hazard:	Yes																								
Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td>No</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	No	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available		Construction Feasibility:	<table border="1"> <tr><td>WWTP/Collection System Available</td><td>No</td></tr> <tr><td>WWTP/Collection System Upgrades Required</td><td></td></tr> <tr><td>WWTP/Collection System Not Available</td><td></td></tr> </table>	WWTP/Collection System Available	No	WWTP/Collection System Upgrades Required		WWTP/Collection System Not Available													
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WWTP/Collection System Not Available																											
WWTP/Collection System Available	No																										
WWTP/Collection System Upgrades Required																											
WWTP/Collection System Not Available																											
Growth Potential:	Minimal.	Growth Potential:	Minimal.																								
Total Project Cost:	\$439,600	Total Project Cost:	\$765,800																								
Present Worth Per Connection:	\$17,828	Present Worth Per Connection:	\$17,950																								

Table 51

Project Name:	Songer Town Community Sewer System (DC-11)	
County:	Giles	
Type of Project:	Decentralized	
Utility Provider:	Giles County	
Responsible Mgmt Entity?	Giles County	
Existing Water System?	Giles County	
Existing Conditions:	Failing or inadequate system, soil is thin and too steep to install disposal fields. Ground water is contaminated with fecal coliform bacteria.	
Proposed Project:	Community system to consist of one advanced treatment system (AX100) discharging to unnamed stream, 7 septic tanks with pumps (STEP) serving 13 homes and 2 STEG systems. Steep terrain complicates construction. UV disinfection required.	
Existing WWTP:	Name =	N/A
	Design Flow =	
	Average Flow =	
	Receiving Stream =	
	Stream Classification = Impaired Stream	
Watershed or Adjacent Stream:	Name =	Sinking Creek
	Impaired =	No
	Within Vicinity =	No
Equivalent Customers Served:	Residential =	15
	Industrial	0
	Commercial =	0
Health Hazard:	No	
Construction Feasibility:	WWTP/Collection System Available	No
	WWTP/Collection System Upgrades Required	
	WWTP/Collection System Not Available	
Growth Potential:	None	
Total Project Cost:	\$275,100	
Present Worth Per Connection:	\$22,168	