



Capital Improvement Program FY2014 thru FY2018 Project Request Form

Project Title: Management of Collection & Transmission Assets (911161 48735)
Project Priority: Priority 2
Project Code: sew211 **Project Type:** Not Set
Department: 2012 **Status:** Active

Start Date (FYE): 2013
Completion Date (FYE): Future

Description:

This "Capital Sub-Program" provides funding to manage assets that are integral to the City of Harrisonburg sewer system. These specific assets are operated and maintained under the organization and budget division for collection & transmission functions.

Explanation:

Existing systems will be upgraded, enhanced, expanded, and revitalized through planned management of component assets as mains and manholes. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses of assets. This subprogram makes resources available to allow the Department of Public Utilities to maintain current with new technology and new products and to also preplan the retirement of assets at the optimum replacement stage in their lifecycle. Requested funds are estimated; replacement schedules generated from age and condition assessment are projected to be available by next CIP.

Justifications:

- Mandated
- Remove hazards
- Maintains service
- Increase efficiency
- Increase revenues
- Improves service
- New service
- Convenience
- Other

Alternative:

Reactive Approach

Expenditures:	Prior	2014	2015	2016	2017	2018	Future	Total
Planning								
Land								
Construction	\$275,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000		\$1,775,000
Equipment								
Other Expenses								
Total	\$275,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000		\$1,775,000
Funding Sources:	Prior	2014	2015	2016	2017	2018	Future	Total
General Revenue								
Enterprise Revenue	\$275,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000		\$1,775,000
Bond Proceeds								
Grants								
Capital Project Fund								
Other Revenue								
Total	\$275,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000		\$1,775,000
Operating Impacts:	Prior	2014	2015	2016	2017	2018	Future	Total
Personnel								
Operating								
Capital								
Offsets								
Total								



**Capital Improvement Program
FY2014 thru FY2018
Project Request Form**

Project Title: Management of Transfer & Monitoring Assets (911161 48736)
Project Priority: Priority 2
Project Code: sew212 **Project Type:** Not Set **Start Date (FYE):** 2013
Department: 2012 **Status:** Active **Completion Date (FYE):** Future

Description:

This "Capital Sub-Program" provides funding to manage assets that are integral to the City of Harrisonburg sewer system. These specific assets are operated and maintained under the organization and budget division for transfer functions. Existing systems will be upgraded, enhanced, expanded, and

Explanation:

Existing systems will be upgraded, enhanced, expanded, and revitalized through planned management of component assets as pumps and instrumentation. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses of assets. This subprogram makes resources available to allow the Department of Public Utilities to maintain current with new technology and new products and to also preplan the retirement of assets at the optimum replacement stage in their lifecycle. Requested funds are estimated; replacement schedules generated from age and condition assessment are projected to be available by next CIP.

Justifications:

- Mandated
- Remove hazards
- Maintains service
- Increase efficiency
- Increase revenues
- Improves service
- New service
- Convenience
- Other

Alternative:

Reactive Approach

Expenditures:	Prior	2014	2015	2016	2017	2018	Future	Total
Planning								
Land								
Construction	\$25,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$275,000
Equipment								
Other Expenses								
Total	\$25,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$275,000
Funding Sources:	Prior	2014	2015	2016	2017	2018	Future	Total
General Revenue								
Enterprise Revenue	\$25,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$275,000
Bond Proceeds								
Grants								
Capital Project Fund								
Other Revenue								
Total	\$25,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$275,000
Operating Impacts:	Prior	2014	2015	2016	2017	2018	Future	Total
Personnel								
Operating								
Capital								
Offsets								
Total								



Capital Improvement Program FY2014 thru FY2018 Project Request Form

Project Title: BLACKS RUN INTERCEPTOR UPGRADE PROG (911161-48641)

Project Priority: Priority 2

Project Code: sew203

Project Type: REPLACEMENT

Start Date (FYE): 1991

Department: 2012

Status: Active

Completion Date (FYE): Future

Description:

Continued commitment to upgrade infrastructure of the City sanitary sewer collection system following recommendations from the Interceptor Sewer Evaluation Study for the City of Harrisonburg, VA, by Wiley & Wilson, 1989.
 \$8,062,000 Total Project: \$4,805,200 funded to date
 Required funding: \$3,256,800
 Value at 5yr, 3% = \$3,775,600

Justifications:

- Mandated
- Remove hazards
- Maintains service
- Increase efficiency
- Increase revenues
- Improves service
- New service
- Convenience
- Other

Explanation:

Allows for continued growth by expanding interceptor pipe capacity, helps to reduce infiltration/inflow by pipe upgrade and reduces maintenance by pipe upgrade.
 2014 - Country Club Road \$405,700
 Other Schedules Incomplete

Alternative:

1. Eliminate stated commitment with possible impact to growth, property, and the environment by down-sizing the scope of work.
2. Delay progressive implementation and opt for future debt funding of a larger comprehensive project with the same scope of work.

Expenditures:	Prior	2014	2015	2016	2017	2018	Future	Total
Planning								
Land								
Construction	\$4,399,491	\$405,700					\$3,256,809	\$8,062,000
Equipment								
Other Expenses								
Total	\$4,399,491	\$405,700					\$3,256,809	\$8,062,000
Funding Sources:	Prior	2014	2015	2016	2017	2018	Future	Total
General Revenue								
Enterprise Revenue	\$4,805,191	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$3,006,809	\$8,062,000
Bond Proceeds								
Grants								
Capital Project Fund								
Other Revenue								
Total	\$4,805,191	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$3,006,809	\$8,062,000
Operating Impacts:	Prior	2014	2015	2016	2017	2018	Future	Total
Personnel								
Operating								
Capital								
Offsets								
Total								