

Capital Improvement Program

**FY 2014/15
– 2019/20**



Public Works & Utilities

- StarTran
- Streets & Highways
- Broadband Infrastructure
- Watershed Management
- Street Maintenance Operations
- Water Supply & Distribution
- **Wastewater**
- Solid Waste Operations

Public Works/Utilities - Wastewater

0173 Wastewater cost of street construction (GSI)

Description:

Support of street construction projects. Wastewater collection system improvements completed during a street construction project

Group:	General System Improvements
Program:	(None)
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$695.00

Prior Appropriations \$247.00

Costs Beyond: \$193.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$40.00	\$41.00	\$42.00	\$43.00	\$44.00	\$45.00	\$255.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X	X	X	X	X	X

0223 Preliminary Design & Engineering (GSI)

Description:

Preliminary Design and Engineering Support for Wastewater Projects.

Group:	General System Improvements
Program:	(None)
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$695.00

Prior Appropriations \$247.00

Costs Beyond: \$193.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$40.00	\$41.00	\$42.00	\$43.00	\$44.00	\$45.00	\$255.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Preliminary Plans	X	X	X	X	X	X

0278 Facilities Plan Update (GSI)

Description:

Facilities Plan Update. Provides for updating the Comprehensive Facilities Master Plan for wastewater collection, pumping, and treatment facilities in accordance with the City's comprehensive planning efforts, to accommodate City growth and meet State and Federal regulatory operating requirements.

Group:	General System Improvements
Program:	(None)
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$680.00

Prior Appropriations \$280.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$0.00	\$0.00	\$0.00	\$0.00	\$400.00	\$0.00	\$400.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Final Plans					X	

0737 Replace C-6, C-7,C-13 Liftstation Components

Description:

Existing motor, control centers, and pumps have exceeded their useful life

Group:	Pump Stations
Program:	Oak Creek Basin
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2015
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$80.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$80.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$80.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X					

0281 Selected repair/repl of WW fac/collectors

Description:

Selected Replacement or Repair of Wastewater Facilities and/or Collectors. (700359)
 Provides for the replacement, reconstruction, and/or repair of wastewater equipment, facilities and/or collectors that have served their useful lives and are in poor condition. Included are repairs to treatment equipment, facilities, collectors and appurtenances. Equipment repairs or replacement will sustain the operation of the wastewater treatment systems. Repairs to the collection system will reduce infiltration and inflow into the system and reduce flows to the treatment facilities. Easements may be required. Projects listed below are for 2014-2015 only. Additional named projects will be supplied in each years submittal.

Selected Treatment Facility Repairs:
 Repair of TSTP and NETP Structures
 Replacement/Repair of TSTP and NETP Treatment Process Equipment
 Replacement/Repair of Liftstation Structures and Equipment
 Replacement/Repair of Injection Site Equipment
 Replacement/Repair of Storm Water Pump Stations

Selected Collection System repairs:
 Replacement or repair of approximately 30 manholes throughout the system.
 Repair of approximately 45 point sections of sewers of various sizes and locations
 Replacement of sections of sewers of various sizes and locations, 1,800 feet of open trench
 Replacement of sections of sewers of various sizes and locations, 11,400 feet of sewer lining
 Replacement of sections of sewers of various sizes and locations, 1,800 feet of pipe bursting
 Repair of siphons at various locations as necessary

Project Total: \$26,730.00 **Prior Appropriations** \$13,130.00 **Costs Beyond:** \$2,900.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Revenue Bonds	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,000.00	\$2,000.00
Utility Revenues	\$1,400.00	\$1,500.00	\$1,800.00	\$2,000.00	\$2,000.00	\$0.00	\$8,700.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X	X	X	X	X	X

Group:	Select Replace/Repair/Const Wastewater Facilities
Program:	(None)
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

0721 Subsidies(GSI)

Description:

Funds used to upsize 8" new sewers to a larger size for capacity requirements, Developer pays for cost of 8"

Group:	Select Replace/Repair/Const Wastewater Facilities
Program:	(None)
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	01/01/2016
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total: \$410.00 **Prior Appropriations** \$0.00 **Costs Beyond:** \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$50.00	\$50.00	\$60.00	\$70.00	\$80.00	\$100.00	\$410.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X	X	X	X	X	X

0619 Repair 48" Sewer Pioneers to "O" St (SV)

Description:

Repair 48" Smooth Flow Sewer Pipe from Pioneers Blvd. to O Street This pipe is corrugated steel with an asphalt lining. After 30 years of use this lining is starting to deteriorate and fall off of the steel pipe causing sewer back-ups and corrosion and failure of the steel carrier pipe. This pipe will have to be relined or replaced to provide continued service to the Salt Valley Basin. This is a multiphase project.

Group:	Select Replace/Repair/Const Wastewater Facilities
Program:	Salt Valley Basin
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2022
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$3,350.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Revenue Bonds	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,000.00	\$1,000.00
Utility Revenues	\$0.00	\$0.00	\$350.00	\$1,000.00	\$1,000.00	\$0.00	\$2,350.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction				X	X	X
Final Plans			X			

0323 Westside Odor Control Improvements (TSTP)

Description:

Study of odor emissions at TSTP from raw wastewater pump station, grit facility and clarifiers.

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/31/2018
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$820.00

Prior Appropriations \$320.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$0.00	\$0.00	\$500.00	\$0.00	\$0.00	\$0.00	\$500.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Final Plans			X			

0561 Influent Pumping Upgrades (TSTP)

Description:

Influent Pumping Improvements (ie: replacement of raw wastewater pumps motors and controls). These units have been in service since 1972 and have reached the end of their useful life.

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2018
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$3,265.00

Prior Appropriations \$1,065.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$100.00	\$1,100.00	\$0.00	\$1,000.00	\$0.00	\$0.00	\$2,200.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction		X		X		
Final Plans	X	X				

0722 NPDES Nutrient Removal Study

Description:

Study, design, construction of WW infrastructure to meet Nebraska Department of Environmental Quality requirements for nutrient removal from wastewater

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	01/01/2021
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$19,300.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Revenue Bonds	\$0.00	\$0.00	\$0.00	\$0.00	\$4,000.00	\$15,000.00	\$19,000.00
Utility Revenues	\$0.00	\$300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction						X
Final Plans					X	
Preliminary Plans		X				

0723 Bar Screen Replacement TSTP

Description:

Replacement of Bar Screens at the TSTP. The existing screens are 35 years old and have reached the end of their useful life

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	02/01/2017
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$1,800.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Revenue Bonds	\$0.00	\$0.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$1,500.00
Utility Revenues	\$300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$300.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction			X			
Final Plans	X					

0724 Strain Press Replacement & Relocation TSTP

Description:

Strain Press used to remove hair and other debris from digester solids has reached the end of it's useful life and should be replaced

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$350.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$350.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$350.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X					

0725 Security Gate at South Entrance TSTP

Description:

Construction of Card Access Security Gate at South-west Corner of TSTP

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	12/01/2014
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$50.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X					

0727 SCADA/PLC Upgrades

Description:

Replacement of Existing Non-current PLC Controls. Controls were installed in 1997 and the industry has gone to the next generation of systems. This is comparable to operating a computer made in 1997. This project will be complete over 3 years in 3 phases.

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2017
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$1,100.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$500.00	\$300.00	\$300.00	\$0.00	\$0.00	\$0.00	\$1,100.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Equipment	X	X	X			
Final Plans	X	X	X			

0728 Solids Handling Improvements (Thickening)

Description:

Replacement of existng DAF System. This equipment has reached the end of useful life and should be upgraded to Rotary Drum Thickeners for increased efficiency and reduced energy consumption.

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2017
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$5,600.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Revenue Bonds	\$0.00	\$3,000.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$4,500.00
Utility Revenues	\$500.00	\$600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,100.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction		X	X			
Final Plans	X					

0729 Solids Handling Improvements -Digestion

Description:

Replacement of Protective Coatings on Digesters and Sludge Storage Tank and Cleaning and Reconditioning Inside of the Sludge Storage Tank

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2015
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$780.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$80.00	\$100.00	\$600.00	\$0.00	\$0.00	\$0.00	\$780.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X		X			
Final Plans		X				

0730 Digester Boiler Installation

Description:

Install a back-up boiler to provide heat for the digesters to support the digestion of solids. This will replace an inefficient generator currently used to heat the digesters.

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2015
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$600.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$600.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X					

0731 Liquid Dumpstation Improvements

Description:

Installation of storage improvements, material handling, metering of quantities, and automated billing

Group:	Treatment Facilities
Program:	Theresa Street Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2017
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$500.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$0.00	\$0.00	\$0.00	\$500.00	\$0.00	\$0.00	\$500.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction				X		
Final Plans				X		

0470 Emergency Generator Installation (NETP)

Description:

Installation of an Emergency Generator to provide power for critical loads during an electrical power outage. There is not current emergency generation available at the Northeast Treatment Facility. This unit would be a black start unit driven by a natural gas engine. This unit could also be used during peak loading conditions to reduce peak electrical demand charges imposed by the Lincoln Electric System.

Group:	Treatment Facilities
Program:	Northeast Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2015
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$500.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$0.00	\$0.00	\$500.00	\$0.00	\$0.00	\$0.00	\$500.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction			X			

0732 NPDES Nutrient Removal Study, design, construct

Description:

Study, design, and construction of infratructuree system to remove nutrients required by Nebraska Department of Environmental Quality

Group:	Treatment Facilities
Program:	Northeast Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2021
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$1,250.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$0.00	\$50.00	\$200.00	\$0.00	\$1,000.00	\$0.00	\$1,250.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction			X		X	
Preliminary Plans		X				

0733 Odor Control Chemical Feed System Replacement

Description:

Existing System has reached the end of it's useful life and should be replaced for efficient and effective operation.

Group:	Treatment Facilities
Program:	Northeast Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2015
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$75.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$0.00	\$75.00	\$0.00	\$0.00	\$0.00	\$0.00	\$75.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction		X				

0734 Security Gate at North East Treatment Plant

Description:

Installation of a Card Access Security Gate at the Northeast Treatment Plant includes card access to critical buildings at the NETP

Group:	Treatment Facilities
Program:	Northeast Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2016
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$50.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X					

0735 Diversion Gate Replacemnet

Description:

Replace Raw wastewater diversion gate at the NETP. The cvurren tgate is 25 years old and the existing steel gate should be replaced with a noncorrosive plastic gate to ensure operation when needed

Group:	Treatment Facilities
Program:	Northeast Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2015
Rating:	A
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$20.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$20.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X					

0736 Replace Two Raw-wastewater Pumps

Description:

Exisiting pumps, motors, and variable speed drives have reached the end of their useful life should be replaced, 25 years old

Group:	Treatment Facilities
Program:	Northeast Treatment Facility
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2018
Rating:	B
Status:	New
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$350.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$0.00	\$0.00	\$175.00	\$175.00	\$0.00	\$0.00	\$350.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction			X	X		

0566 Wastewater Construction Projects for New Growth

Description:

Construction of new trunk sewers and sub-basin collection systems to serve new areas or provide additional service capacity to existing areas. Design, easement/right-of-way, and construction costs are included. Construction of Treatment Plant growth related projects are included. Projects are determined on an as needed and fund availability basis. Rate increases will be required to support this construction.

\$0.25 million will be set aside each year for economic development projects.

Eligible projects include projects such as:

Extension of main from approx. 95th & O St to SW, \$500.0 - 2016
 Extension of main from 84th & Rokeby Rd east, \$400.0 - TBD
 Extension of internal mains I-80 to W. Holdrege, NW 48th to NW 56th, \$322.0 - 2017
 Sewer north and south of Rokeby, East of 40th, \$820.0 - 2015
 N 84th to N 112th & Cornhusker HWY - Extend Trunk Sewer - \$6,980.0 - TBD

Group:	Trunk Sewer System
Program:	(None)
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	
Rating:	A
Status:	Continued
Comp Plan Conformity:	In Conformance With Plan

Project Total: \$12,652.00

Prior Appropriations \$2,032.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Impact Fee Revenues	\$0.00	\$0.00	\$0.00	\$350.00	\$400.00	\$450.00	\$1,200.00
Revenue Bonds	\$0.00	\$0.00	\$2,000.00	\$0.00	\$1,000.00	\$1,550.00	\$4,550.00
Utility Revenues	\$1,450.00	\$1,450.00	\$270.00	\$1,100.00	\$600.00	\$0.00	\$4,870.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X	X	X	X	X	X

0617 Trunk Sewer SW Salt Creek (SW Village) (SV)

Description:

Extend Trunk Sewer from S 7th & Old Cheney to ne S1st & W Denton Rd. Area. Currently served by Temporary Lift station. Extending of the described trunk sewer provides for meeting future growth and development needs of the City as outlined in the City's Comprehensive plan. Annexation Agreement Commitment.

Group:	Trunk Sewer System
Program:	Salt Valley Basin
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/13/2018
Rating:	B
Status:	Continued
Comp Plan Conformity:	In Conformance With Plan

Project Total: \$5,600.00

Prior Appropriations \$0.00

Costs Beyond: \$0.00

6 yr appropriations

<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Revenue Bonds	\$0.00	\$0.00	\$500.00	\$5,000.00	\$0.00	\$0.00	\$5,500.00
Utility Revenues	\$0.00	\$0.00	\$0.00	\$100.00	\$0.00	\$0.00	\$100.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction				X		
Final Plans			X			

0558 P Street Liftstation Replacement Ph I (W "O")

Description:

Replacement of P Street Liftstation at "P" Street and Sunvalley Blvd. This station has reached the end of its useful life and requires additional capacity to serve new development in the West "O" Street basin.

Group:	Trunk Sewer System
Program:	Middle Creek Basin
Budget Outcome:	Environmental Quality
Budget Goal:	Effectively manage wastewater and solid waste
Date Anticipated:	08/01/2016
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

Project Total:\$2,750.00

Prior Appropriations \$1,750.00

Costs Beyond: \$0.00

6 yr appropriations

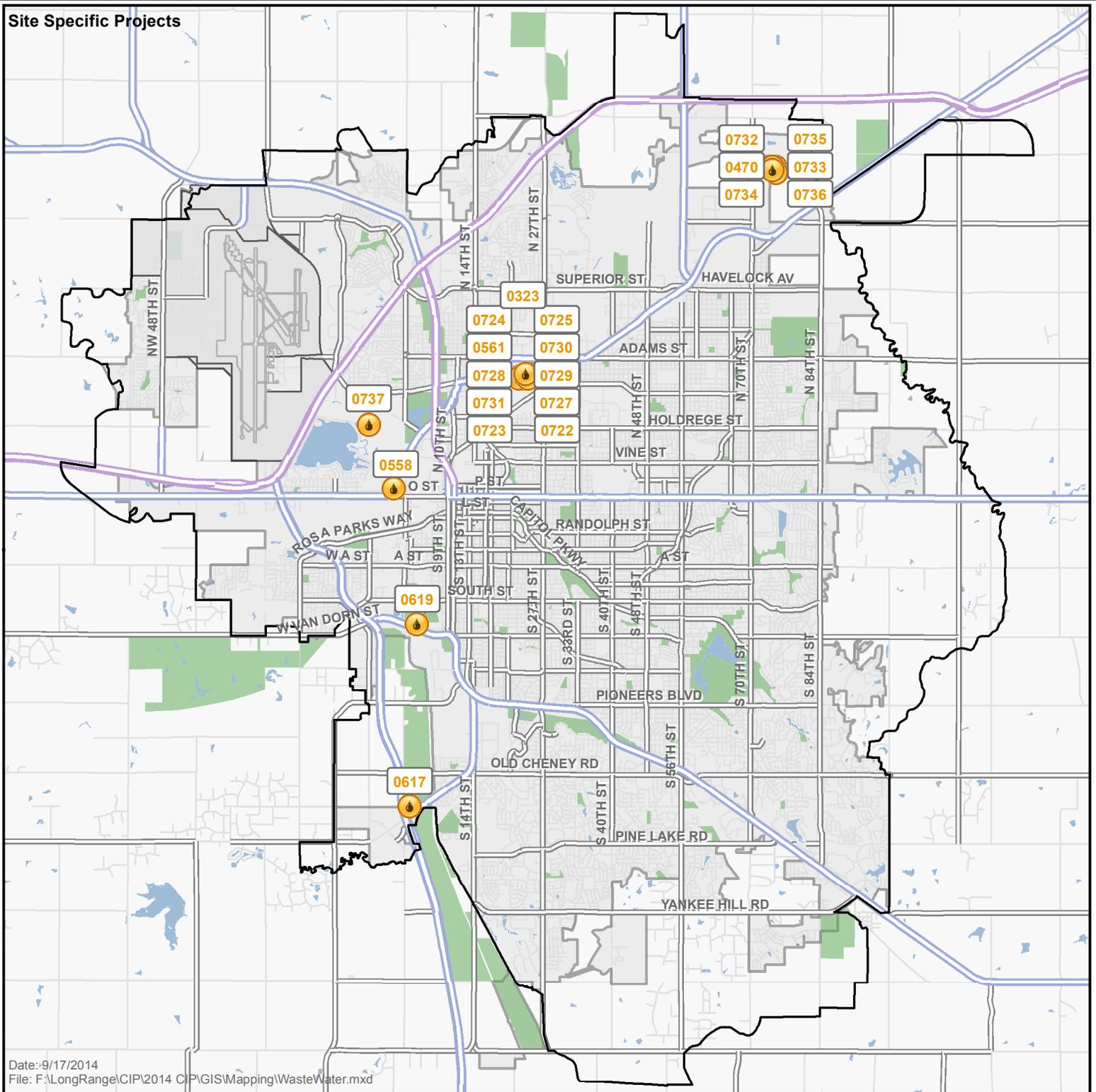
<u>Funding Source</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>	<u>6 yr Total</u>
Utility Revenues	\$1,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,000.00

6 yr estimated cost by activity

<u>Activity type</u>	<u>2014/2015</u>	<u>2015/2016</u>	<u>2016/2017</u>	<u>2017/2018</u>	<u>2018/2019</u>	<u>2019/2020</u>
Construction	X					

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Site Specific Projects



Date: 9/17/2014
 File: F:\LongRange\CIP\2014 CIP\GISMapping\WasteWater.mxd

Lincoln CIP 2014 - 2020

WasteWater



Project Locations

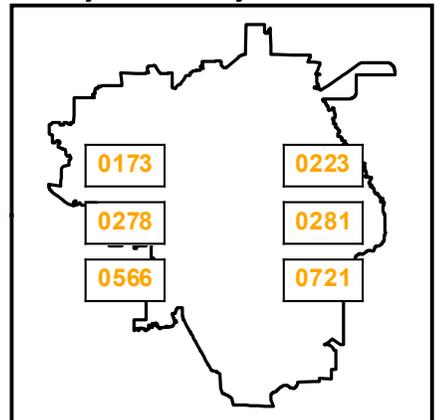


Last 4 digits of project number
 Lincoln's Future Service Limit
 Shown as Black Outline



Consult the detailed project descriptions
 and funding summary for further information.

Projects with Citywide Benefit



* Amounts are in thousands of dollars

Public Works/Utilities - Wastewater

	Project Title	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
0173	Wastewater cost of street construction (GSI)	40.00	41.00	42.00	43.00	44.00	45.00	\$255.0
0223	Preliminary Design & Engineering (GSI)	40.00	41.00	42.00	43.00	44.00	45.00	\$255.0
0278	Facilities Plan Update (GSI)	0.00	0.00	0.00	0.00	400.00	0.00	\$400.0
0737	Replace C-6, C-7,C-13 Liftstation Components	80.00	0.00	0.00	0.00	0.00	0.00	\$80.0
0281	Selected repair/repl of WW fac/collectors	1,400.00	1,500.00	1,800.00	2,000.00	2,000.00	2,000.00	\$10,700.0
0721	Subsidies(GSI)	50.00	50.00	60.00	70.00	80.00	100.00	\$410.0
0619	Repair 48" Sewer Pioneers to "O" St (SV)	0.00	0.00	350.00	1,000.00	1,000.00	1,000.00	\$3,350.0
0323	Westside Odor Control Improvements (TSTP)	0.00	0.00	500.00	0.00	0.00	0.00	\$500.0
0561	Influent Pumping Upgrades (TSTP)	100.00	1,100.00	0.00	1,000.00	0.00	0.00	\$2,200.0
0722	NPDES Nutrient Removal Study	0.00	300.00	0.00	0.00	4,000.00	15,000.00	\$19,300.0
0723	Bar Screen Replacement TSTP	300.00	0.00	1,500.00	0.00	0.00	0.00	\$1,800.0
0724	Strain Press Replacement & Relocation TSTP	350.00	0.00	0.00	0.00	0.00	0.00	\$350.0
0725	Security Gate at South Entrance TSTP	50.00	0.00	0.00	0.00	0.00	0.00	\$50.0
0727	SCADA/PLC Upgrades	500.00	300.00	300.00	0.00	0.00	0.00	\$1,100.0
0728	Solids Handling Improvements (Thickening)	500.00	3,600.00	1,500.00	0.00	0.00	0.00	\$5,600.0
0729	Solids Handling Improvements -Digestion	80.00	100.00	600.00	0.00	0.00	0.00	\$780.0
0730	Digester Boiler Installation	600.00	0.00	0.00	0.00	0.00	0.00	\$600.0
0731	Liquid Dumpstation Improvements	0.00	0.00	0.00	500.00	0.00	0.00	\$500.0
0470	Emergency Generator Installation (NETP)	0.00	0.00	500.00	0.00	0.00	0.00	\$500.0
0732	NPDES Nutrient Removal Study, design, construct	0.00	50.00	200.00	0.00	1,000.00	0.00	\$1,250.0
0733	Odor Control Chemical Feed System Replacement	0.00	75.00	0.00	0.00	0.00	0.00	\$75.0
0734	Security Gate at North East Treatment Plant	50.00	0.00	0.00	0.00	0.00	0.00	\$50.0

* Amounts are in thousands of dollars

		2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
0735	Diversion Gate Replacemnet	20.00	0.00	0.00	0.00	0.00	0.00	\$20.0
0736	Replace Two Raw-wastewater Pumps	0.00	0.00	175.00	175.00	0.00	0.00	\$350.0
0566	Wastewater Construction Projects for New Growth	1,450.00	1,450.00	2,270.00	1,450.00	2,000.00	2,000.00	\$10,620.0
0617	Trunk Sewer SW Salt Creek (SW Village) (SV)	0.00	0.00	500.00	5,100.00	0.00	0.00	\$5,600.0
0558	P Street Liftstation Replacement Ph I (W "O")	1,000.00	0.00	0.00	0.00	0.00	0.00	\$1,000.0
Department Totals:		6,610.00	8,607.00	10,339.00	11,381.00	10,568.00	20,190.00	\$67,695.0

Funding Sources

Fund Source	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
Impact Fee Revenues	\$0.0	\$0.0	\$0.0	\$350.0	\$400.0	\$450.0	\$1,200.0
Revenue Bonds	\$0.0	\$3,000.0	\$5,500.0	\$5,000.0	\$5,000.0	\$19,550.0	\$38,050.0
Utility Revenues	\$6,610.0	\$5,607.0	\$4,839.0	\$6,031.0	\$5,168.0	\$190.0	\$28,445.0
	\$6,610.0	\$8,607.0	\$10,339.0	\$11,381.0	\$10,568.0	\$20,190.0	\$67,695.0