

Capital Improvement Program

FY 2022/23 –
2027/28



Lincoln Transportation & Utilities

- Solid Waste Operations
- StarTran
- Transportation
- Wastewater
- **Water Supply & Distribution**
- Watershed Management

Lincoln Water System has been providing safe water to residents since 1883. The source of Lincoln's high-quality water is a river aquifer that provides natural filtering through sand formations. LWS treats and disinfects the water before sending it to customers. All water supplied by LWS exceeds every state and federal safe drinking water standard.

Over 1,600 miles of water mains provide high quality, dependable water service to all of Lincoln's residents, institutions and businesses.

All funding for Lincoln Water System is generated from rate revenues. These revenues provide funding for all operational expenses, capital improvement and debt service. No general funds or tax funds are used for Lincoln Water System.

The Capital improvement Program discussed here is based on Master Planning efforts that take place every 10 years and are updated every 5. The basis for LWS's Master Plan is Lincoln's Comprehensive plan.

Project Title	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
Infrastructure - Lincoln Pumping, Storage & Trans.	\$ 850,000	\$ 650,000	\$ 40,000	\$ 150,000	\$ 500,000	\$ 650,000	\$ 2,840,000
Infrastructure - Source Water Supply	\$ -	\$ 300,000	\$ 320,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,520,000
Infrastructure - Water Mains and Meters	\$11,676,000	\$ 12,216,000	\$ 14,875,000	\$ 15,561,000	\$16,913,000	\$ 17,685,000	\$ 88,926,000
Infrastructure - Water Structures	\$ 1,600,000	\$ 2,000,000	\$ 1,200,000	\$ 875,000	\$ 1,000,000	\$ 50,000	\$ 6,725,000
Infrastructure - Water Treatment, HS Pump & Trans.	\$ 3,000,000	\$ 100,000	\$ 1,100,000	\$ 230,000	\$ -	\$ 200,000	\$ 4,630,000
New Source of Water Supply	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 3,500,000	\$ 3,500,000	\$ 4,500,000	\$ 17,500,000
New Water Pumping, Storage & Transmission	\$ 5,700,000	\$ 30,000,000	\$ 2,000,000	\$ 1,400,000	\$ 6,000,000	\$ 3,700,000	\$ 48,800,000
New Water Supply Wells	\$25,370,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,370,000
New Water Treatment & High Service Pumping	\$10,000,000	\$ 17,000,000	\$ 25,000,000	\$ -	\$ -	\$ -	\$ 52,000,000
Water Distribution Mains - Area 1	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600
Water Distribution Mains - Area 2	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600
Water Distribution Mains - Area 3	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600
Water Distribution Mains - Area 4	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600
Water Distribution Mains - Area 5	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600
Water Distribution Mains - Area 6	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600
Water Distribution Mains - Area 7	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600
Water Distribution System Improvements	\$ 250,000	\$ 250,000	\$ 300,000	\$ 400,000	\$ 400,000	\$ 500,000	\$ 2,100,000
Water General System Improvements	\$ -	\$ 250,000	\$ 500,000	\$ 250,000	\$ 250,000	\$ -	\$ 1,250,000
Water Mains and Meters - Locations To Be Determined	\$ 3,500,000	\$ 5,000,000	\$ 7,000,000	\$ 7,000,000	\$ 5,000,000	\$ 5,000,000	\$ 32,500,000
Water master Planning, Preliminary Design, & Engineering Support	\$ -	\$ 75,000	\$ 1,100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 1,325,000
Water Security Upgrade	\$ 340,000	\$ 260,000	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 800,000
Water System Reimbursement to Development	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 600,000	\$ 2,600,000
Water System Reimbursement to Street Construction	\$ 250,000	\$ 250,000	\$ 400,000	\$ 400,000	\$ 500,000	\$ 500,000	\$ 2,300,000
Departmental Totals:	\$64,936,700	\$ 70,751,700	\$ 56,335,700	\$ 30,516,700	\$34,913,700	\$ 33,735,700	\$ 291,190,200
Fund Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
Other Financing	\$43,070,000	\$ 49,000,000	\$ 27,000,000	\$ 2,000,000	\$ -	\$ -	\$ 121,070,000
CIP-Impact Fee Revenues	\$ 350,700	\$ 350,700	\$ 350,700	\$ 1,750,700	\$ 6,350,700	\$ 350,700	\$ 9,504,200
CIP-Utility Revenues	\$21,516,000	\$ 21,401,000	\$ 28,985,000	\$ 26,766,000	\$28,563,000	\$ 33,385,000	\$ 160,616,000
Fund Source Totals	\$64,936,700	\$ 70,751,700	\$ 56,335,700	\$ 30,516,700	\$34,913,700	\$ 33,735,700	\$ 291,190,200

[LTU-Water Interactive Project Map](#)

Project: Infrastructure - Lincoln Pumping, Storage & Trans.

Description:

Projects to rehabilitate or replace existing assets in the Lincoln Water System used for pumping, storage and transmission of water within the distribution system. Infrastructure projects provide for the ongoing repair, rehabilitation, and replacement of facilities and assets. Elements of these projects are anticipated to have a minimum service life of 15 years and/or extend the service life of the associated facility or asset. These projects are not considered as normal operations and maintenance expenses which are funded in the LWS operating budget.

Example projects include:

Transmitter Replacements (Ongoing): \$40k - FY22/23 - FY25-26

Pipe Gallery Coating and Corrosion Control (Ongoing): \$645k - FY22/23-FY27/28

Protection Relay Equipment (Ongoing): \$125k - FY22/23 - FY26-27

Condition Assessment of 48 inch Pipeline - Northeast Pump Station to Vine Street Pump Station: \$551k - FY22/23

Condition Assessment of 36 inch Pipeline - 51st Street Pump Station to A Street Pump Station: \$450k - FY23/24

Decommission Cheney PS: \$250k - FY26/27

Decommission Merrill Street PS: \$475k - FY27/28

Projects are funded by utility revenues which may include revenue bond proceeds. Costs beyond are estimated to be \$2.0M.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	N/a
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Utility Revenues	\$ 850,000	\$ 650,000	\$ 40,000	\$ 150,000	\$ 500,000	\$ 650,000	\$ 2,840,000	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Infrastructure - Source Water Supply

Description:

Projects to rehabilitate and replace existing assets associated with source water supply such as wells, pumps and pipelines. Infrastructure projects provide for the ongoing repair, rehabilitation, and replacement of facilities and assets. Elements of these projects are anticipated to have a minimum service life of 15 years and/or extend the service life of the associated facility or asset. These projects are not considered as normal operations and maintenance expenses which are funded in the LWS operating budget.

Example projects include:

Rehab wells, On-going wells: \$1.78M - FY22/23 - 27/28

Rehab HVAC and Air Handling for Collector Wells, Ongoing: \$60k - FY22/23 - 27/28

Budget Outcome:	Safe and Healthy City
Date Anticipated:	N/a
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Utility Revenues	\$ -	\$ 300,000	\$ 320,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,520,000	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements		x	x	x	x	x		

Project: Infrastructure - Water Mains and Meters

Description:

Projects to replace existing water mains and meters that have served their useful life, funding also begins to address full Lead Service Line replacements.

Water main replacement selection is based on frequency of broken mains, history of interruption of traffic and commercial or industrial customers, and/or opportunities to time construction with other improvements such as roadways. Funding goal for Water Main Replacement is projected at \$9 to \$12 million per year, which corresponds to a replacement rate of approximately 7 miles per year. This is considered an initial rate of water main replacement required to maintain the annual water main breaks below 14 per 100 miles of water main. The replacement rate funding increases to approximately 8 miles per year in FY 24/25 in an effort to maintain the replacement rate at approximately 0.6% of the water distribution system, which is equivalent to a 167 year water main life replacement schedule.

Funding for full lead service line replacements related to water main replacement projects are included in the totals. Funding for replacements of lead water service lines not associated with water main replacement projects is included and planned to begin implementation in FY 20/21. A 14 year program is currently planned to address 3000 lead water service lines.

Water meter replacement is generally based on a battery life estimated to be 18-22 years. The current water meter replacement program is a continual replacement program where we replace 5% of the meters (4400 meters) each year which matches with the 20 year battery life.

Projects are funded by utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	N/a
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X					
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
CIP-Utility Revenues	\$ 11,676,000	\$ 12,216,000	\$ 14,875,000	\$ 15,561,000	\$ 16,913,000	\$ 17,685,000	\$ 88,926,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	x	x	x	x	x	x	

Project: Infrastructure - Water Structures

Description:

Projects to rehabilitate and replace existing assets associated with structures including roofs, exterior coatings, masonry, and HVAC systems. Infrastructure projects provide for the ongoing repair, rehabilitation, and replacement of facilities and assets. Elements of these projects are anticipated to have a minimum service life of 15 years and/or extend the service life of the associated facility or asset. These projects are not considered as normal operations and maintenance expenses which are funded in the LWS operating budget.

Example projects include:

Ongoing building rehabilitation projects such as masonry repair, roof replacements, and exterior concrete replacement.

Tuck Point, Caulk, Clean & Seal West Plant (Phase 2): \$700k - FY22-23

Replace North 51st Street Pump Station Roof: \$100k - FY22/23

Repaint Merrill Street Surge Tank: \$150k - FY22/23

Repaint Air Park Reservoir: \$1.0M - FY22/23 - FY23/24

Power Wash South 56th Street Reservoir: \$100k - FY22/23

Clean, repair and recoat NW12th Reservoir: \$450 - FY23/24

Replace Ashland East WTP HVAC System: \$1.2M - FY23/24 - FY24/25

Ongoing flatwork and concrete repairs: \$150k - FY22-23 - FY27-28

South 56th Street PS Repurposing: \$300k - FY23-24

East WTP Exterior Repairs - Administration & Ozone: \$300k - FY23-24

East WTP Filter Pipe Coating and Corrosion Protection: \$200k - FY24-25

South and West PS Exterior Repairs: \$250k - FY24-25

Replace WTP Entrance Gate and Structures: \$250k - FY22-23

EWTP and NPS Interior Rehab.: \$400k - FY24-25

Reservoir Coating and Corrosion Protection (Location TBD): \$1.0M - FY26-27

Projects are funded by utility revenues which may include revenue bond proceeds. Cost beyond are estimated to be \$8.0M.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	N/a
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X					
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
CIP-Utility Revenues	\$ 1,600,000	\$ 2,000,000	\$ 1,200,000	\$ 875,000	\$ 1,000,000	\$ 50,000	\$ 6,725,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	x	x	x	x	x	x	

Project: Infrastructure - Water Treatment, HS Pump & Trans.

Description:

Projects to rehabilitate and replace existing assets associated with water treatment, high service pumping, and transmission pipelines to Lincoln. Infrastructure projects provide for the ongoing repair, rehabilitation, and replacement of facilities and assets. Elements of these projects are anticipated to have a minimum service life of 15 years and/or extend the service life of the associated facility or asset. These projects are not considered as normal operations and maintenance expenses which are funded in the LWS operating budget.

Example Projects Include: Rehab. High Service Pump 6: \$63k - FY22-23
West WTP Condition Improvements and Pilot Filter Media Replacement: \$2.8M - FY22/23
Condition Assessment of 48 inch PCCP Pipeline from Ashland to 91st Street: \$362k - FY24/25
East WTP Rehab - ozone analyzers, drain valves, etc: \$760k - FY24/25
Pipe gallery coatings and corrosion protection: \$400k - FY25-26 - 27/28

Projects are funded by utility revenues which may include revenue bond proceeds. Costs beyond are estimated to be \$350M.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	N/a
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X					
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
CIP-Utility Revenues	\$ 3,000,000	\$ 100,000	\$ 1,100,000	\$ 230,000	\$ -	\$ 200,000	\$ 4,630,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	x	x	x	x		x	

Project: New Source of Water Supply

Description:

Project provides for the development of a second source of water supply including the creation of a reserve fund to pay for future design and construction of various elements of a water supply source. Several options were evaluated in the 2014 Water Master plan with the preferred long term alternative being the development of a wellfield, treatment plant, and transmission pipeline to Lincoln. Estimated cost for this alternative is nearly \$1.5 billion when constructed in approximately 2050 based on current water demand projections in the 2020 Master Plan Update. This project sets aside \$1.0 - \$2.0 million beginning in FY19/20. Costs beyond include increased annual funding of the reserve fund as well as bonding. Other incremental supply options continue to be evaluated and the reserve would be available to also fund these alternatives which, if implemented, would likely delay the development of a new wellfield and treatment system.

Example projects include:
Ongoing Reserve Fund: \$17.0M - FY22/23 - FY27/28

"Other financing" includes ARPA Grant Funds (through LB 814 / DNR).

Costs beyond are estimated to be \$800M.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	2035 - 2050
Rating:	A
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X					
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
Other Financing	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ 8,000,000
CIP-Utility Revenues	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 3,500,000	\$ 4,500,000	\$ 9,500,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	x	x	x	x	x	x	

Project: New Water Pumping, Storage & Transmission

Description:

Projects include new pumping stations, water reservoirs and water transmission mains required for distribution of water in Lincoln to meet projected growth demands and improve water distribution. Projects are primarily a result of the Water Master Plan and Comprehensive Plan growth projections. Note, the 98th Street transmission main shown in the previous CIP has been rescheduled and is included in costs beyond.

Example projects include:

98th Street Transmission Main NE PS to 88th and Holdredge: \$35.7M - FY 22/23 and FY 23/24 funded with ARPA Grant funds (through LB 814 / DNR).

New Pump #8 at East Vine PS: \$2.950M - FY23/24 - FY24/25

New NW Zone Elevated Reservoir: \$7.5M - FY25/26 - FY26/27

134th and Adams Reservoir and Pipeline (engineering): \$3.0M - FY27/28

New Pump #4 at Yankee Hill PS: \$650k - FY27-28

Projects funded by utility revenues may include revenue bond proceeds. Costs beyond are estimated to be \$161M.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	N/a
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X					
6 yr appropriations							
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>
Other Financing	\$ 5,700,000	\$ 30,000,000	\$ -	\$ -	\$ -	\$ -	\$ 35,700,000
CIP-Impact Fee Revenues	\$ -	\$ -	\$ -	\$ 1,400,000	\$ 6,000,000	\$ -	\$ 7,400,000
CIP-Utility Revenues	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ 3,700,000	\$ 5,700,000
6 yr estimated cost by activity							
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	
Capital Improvements	x	x	x	x	x	x	

Project: New Water Supply Wells

Description:

Project provides for the ongoing development of the Ashland wellfield to ensure an adequate and reliable water supply to meet projected growth demands and summer water demands during drought conditions. Projects are a result of the estimated water demands and available water supply in the 2020 Water Master Plan Update.

Includes design and construction of Horizontal Collector Well #5: \$16.37M in FY 2022/23 funded with ARPA Grant funds (through LB 814 / DNR).

Includes design for Horizontal Collector Well #6 and wellfield transmission main: \$9.37M in FY 22/23 funded with ARPA Grant funds (through LB 814 / DNR).

Costs beyond are estimated to be \$39 million.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	2027
Rating:	B
Status:	Continued
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:						
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
Other Financing	\$ 25,370,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,370,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Capital Improvements	x						

Project: New Water Treatment & High Service Pumping

Description:

Projects provide for the necessary expansion and improvements to water treatment facilities and high service pumping to Lincoln. Projects are a result of growth requiring increased capacity or improvements necessary to meet water quality standards as recommended in the 2014 Water Master Plan and 2020 Water Master Plan Update.

Example Projects Include:

New High Service Pump #13: \$2,000 - FY23-24

East WTP Treatment Improvements: \$50.0M - FY22/23 - FY24/25

"Other financing" includes ARPA Grant Funds (through LB 814 / DNR).

Costs beyond are estimated to be \$180M.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	N/a
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
Other Financing	\$ 10,000,000	\$ 17,000,000	\$ 25,000,000	\$ -	\$ -	\$ -	\$ 52,000,000	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x					

Project: Water Distribution Mains - Area 1

Description:

Water distribution mains to serve the growth of the community, in accordance with the Comp Plan. Mains to be constructed in Impact Fee Benefit Area 1 - at locations - in pressure districts - in years listed or to be determined (TBD):

NW56th, 'O' to Holdrege to Partridge - Belmont - Annexation Agreement - \$2,400.0 (prior appropriations)

Holdrege, NW56th to NW48th - Belmont - Annexation Agreement - \$600.0 (prior appropriations)

Holdrege, NW40th to NW48th - Belmont - TBD - \$600.0

NW48th, Cuming to Fletcher - Belmont - TBD - \$750.0

NW56th, Superior to Cuming to NW53rd - Belmont - TBD - \$800.0

See Project "Water Mains and Meters-Locations To Be Determined" for funding amounts estimated to be available for growth related projects in all 7 Water Distribution Main Areas. Not all projects listed can be funded with estimated funding amounts. Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Impact Fee Revenues	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water Distribution Mains - Area 2

Description:

Water distribution mains to serve the growth of the community, in accordance with the Comp Plan. Mains to be constructed in Impact Fee Benefit Area 2 - at locations - in pressure districts - in years listed or to be determined (TBD):
 Alvo, NW12th to NW20th - NWB - TBD - annexation - \$500.0
 Highland View annexation - NWB - \$100.0 (prior appropriations)
 NW12th - Little Bear south 1/4 mi. - NWB - annexation agreement - \$300.0 (prior appropriations)
 14th, Alvo-Arbor; Arbor, 14th-27th - Belmont - TBD - \$2,700.0

See Project "Water Mains and Meters-Locations To Be Determined" for funding amounts estimated to be available for growth related projects in all 7 Water Distribution Main Areas. Not all projects listed can be funded with estimated funding amounts. Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

Budget Outcome: Strong and Resilient City
 Date Anticipated: Ongoing
 Rating: C
 Status: Ongoing
 Comp Plan Conformity: Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Impact Fee Revenues	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water Distribution Mains - Area 3

Description:

Water distribution mains to serve the growth of the community, in accordance with the Comp Plan. Mains to be constructed in Impact Fee Benefit Area 3 - at locations - in pressure districts - in years shown or to be determined (TBD):
 27th/Arbor to 40th/McKelvie - Belmont - TBD - \$2,200.0
 Arbor Rd, 40th to 52nd - LD - TBD - \$1,300.0
 27th, Folkways to Fletcher - LD - TBD - \$650.0
 40th/McKelvie to 40th/Arbor - Belmont - TBD - \$1,000.0

See Project "Water Mains and Meters-Locations To Be Determined" for funding amounts estimated to be available for growth related projects in all 7 Water Distribution Main Areas. Not all projects listed can be funded with estimated funding amounts. Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

Budget Outcome: Strong and Resilient City
 Date Anticipated: Ongoing
 Rating: C
 Status: Ongoing
 Comp Plan Conformity: Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Impact Fee Revenues	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water Distribution Mains - Area 4

Description:

Water distribution mains to serve the growth of the community, in accordance with the Comp Plan. Mains to be constructed in Impact Fee Benefit Area 4 - at locations - in pressure districts - in years shown or To Be Determined (TBD):

Havelock, 70th to 84th - LD - TBD - \$1,400.0

Holdrege, 98th to 104th - HD - Annexation Agreement - \$900.0 (prior appropriations)

'O' St, 98th to 105th - HD - TBD - \$1,000.0 (prior appropriations)

84th, Havelock to Fletcher - LD - TBD - \$1,300.0

Holdrege, 104th to 112th, HD - TBD - \$600.0

'O' St, 105th to 112th, HD, TBD - \$1,000.0

98th, Holdrege-Adams, HD, TBD - \$1,200.0

Adams, 94th-98th, HD, TBD - \$500.0

Cornhusker, 84th to 98th - LD - TBD - \$1,300.0

112th, 'O'-Holdrege - HD - TBD - \$1,300.0

See Project "Water Mains and Meters-Locations To Be Determined" for funding amounts estimated to be available for growth related projects in all 7 Water Distribution Main Areas. Not all Projects listed can be funded with estimated funding amounts. Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Impact Fee Revenues	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water Distribution Mains - Area 5

Description:

Water distribution mains to serve the growth of the community, in accordance with the Comp Plan. Mains to be constructed in Impact Fee Benefit Area 5 - at locations, in pressure districts, in years shown or to be determined (TBD) such as:

Van Dorn, 91st-98th - SE - TBD - \$500.0

Van Dorn, 98th-105th - SE - TBD - \$500.0

'A', 97th-98th - SE - TBD - \$300.0

98th, 'A'-Van Dorn - SE - TBD - \$1,100.0

98th, Van Dorn-Pioneers - SE - TBD - \$1,200.0

98th, Pioneers-Old Cheney - SE - TBD - \$1,200.0

98th, 'O' - 'A' - HD/SE - TBD - \$1,100.0

See Project "Water Mains and Meters-Locations To Be Determined" for funding amounts estimated to be available for growth related projects in all 7 Water Distribution Main Areas. Not all projects listed can be funded with estimated funding amounts. Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Impact Fee Revenues	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water Distribution Mains - Area 6

Description:

Water distribution mains to serve the growth of the community, in accordance with the Comp Plan. Water mains to be constructed in Impact Fee Benefit Area 6 - at locations - in pressure districts - and in years shown or to be determined (TBD) such as:

Rokeby, 40th to 48th - SE - 2015 - Annexation Agreement - \$500.0 (prior appropriations)

Rokeby, 77th to 84th - CB - Annexation Agreement - \$500.0 (prior appropriations)

40th/Rokeby 1/4 to 1/2 mile south - SE - TBD - \$250.0

84th, Rokeby to 1/2 mile south - CB - TBD - \$500.0

56th, Yankee Hill to Rokeby - SE - TBD - \$1,200.0

70th, Pine Lake to Yankee Hill - SE - TBD - \$1200.0

27th, 1/2 mile south to Saltillo - HD - TBD - \$600.0

40th, 1/2 mile south to Saltillo - SE - TBD - \$600.0

Saltillo, 27th to 40th - HD - TBD - \$1,200.0

Saltillo, 40th to 56th - SE - TBD - \$1,200.0

56th, Rokeby to Saltillo - SE - TBD - \$1200.0

Saltillo, 56th to 70th - SE - TBD - \$1,200.0

70th, Lilee-Carger - CB - TBD - \$1,000.0

See Project "Water Mains and Meters-Locations To Be Determined" for funding amounts estimated to be available for growth related projects in all 7 water Distribution Main Areas. Not all projects listed can be funded with estimated funding amounts. Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Impact Fee Revenues	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 600	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water Distribution Mains - Area 7

Description:

Water distribution mains to serve the growth of the community, in accordance with the Comp Plan. Water mains to be constructed in Impact Fee Benefit Area 7 - at locations - in pressure districts - in years shown or to be determined (TBD) such as:

W. Denton Road, Folsom to S 1st - Belmont - 2018 - \$550.0 (prior appropriations)
 Old Cheney, Folsom to SW12th - Belmont - TBD - \$600.0
 W Denton Rd, Folsom to Coddington - Belmont - TBD - \$1,200.0
 W Van Dorn, Coddington to SW 33rd - Belmont - TBD - \$1,400.0
 Pioneers/Hwy 77 interchange area connection - TBD - \$1,000.0

See Project "Water Mains and Meters-Locations To Be Determined" for funding amounts estimated for growth related projects in all 7 Water Distribution Main Areas. Not all projects listed can be funded with estimated funding amounts. Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Impact Fee Revenues	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$	600
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water Distribution System Improvements

Description:

Projects to improve capacity and reliability in the existing distribution system. Some projects are a result of hydraulic modeling performed as part of the Water Master Plan.

Example projects include:

Various water mains for looping and fire flow improvements
 Water main loop for reliability to Innovation Campus: \$1.8M (prior appropriation)
 Water main loop for Belmont zone, Coddington, A - O: \$1.1M - FY 25/26, (2025 Master Plan review).

Projects are funded by utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Utility Revenues	\$ 250,000	\$ 250,000	\$ 300,000	\$ 400,000	\$ 400,000	\$ 500,000	\$	2,100,000
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

Project: Water General System Improvements

Description:

Projects to provide improved reliability, redundancy, control, monitoring, water quality, building expansion and asset management. Several of these projects are a result of the recommendations contained in the 2020 Water Master Plan Update.

Example projects include:

Pressure Monitoring Stations: \$70k - FY22/23 - FY23/24

Control Valve for Pioneers Reservoir: \$280k - FY 20/21

Pioneers Pump Station AFD: \$236k - FY23/24

Tank Mixing Improvements: \$725k - FY20/21

70th and Yankee Woods Dr PRV, Cheney to SE: \$250k - FY24/25

Abandon 16-inch Across Airport Runway: \$300k - FY24/25

12th and O Street PRV, Belmont to Low: \$230k - FY25/26

Southeast Pump Station PRV, SE to High: \$250k - FY26/27

Projects are funded by utility revenues which may include revenue bond proceeds. Cost beyond are estimated to be \$8.2M

Budget Outcome:	Safe and Healthy City
Date Anticipated:	N/a
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Utility Revenues	\$ -	\$ 250,000	\$ 500,000	\$ 250,000	\$ 250,000	\$ -	\$ 1,250,000	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements		x	x	x	x			

Project: Water Mains and Meters - Locations To Be Determined

Description:

Water distribution mains and meters to serve the growth of the community, in accordance with the Comp Plan. Mains to be constructed in Impact Fee Areas 1-7 - at locations - in pressure districts - in years to be determined. Eligible projects are to be considered from the "To Be Determined" listings of projects in Projects #0043, #0044, #0045, #0046, #0047, #0048, and #0049 - Water Distribution Mains - Areas 1-7.

Funding amounts shown are estimated to be available for growth related projects in all 7 Water Distribution Main Areas. Not all projects listed as "To Be Determined" can be funded with estimated funding amounts. Priority will be given to Opportunity Projects - Opportunities to extend water mains through an area where permanent paving will be placed, opportunities for economic development, and necessary looping to provide reliable service to growth areas.

\$0.25 million will be set aside each year for economic development projects. \$0.21-\$0.27 million is projected for new water meters associated with growth and development projects.

Projects are funded by impact fee revenues, and utility revenues which may include revenue bond proceeds.

<p>Budget Outcome:</p> <p>Date Anticipated:</p> <p>Rating:</p> <p>Status:</p> <p>Comp Plan Conformity:</p>	Strong and Resilient City
	Ongoing
	C
	Ongoing
	Generally Conforms with Plan
<p>Prior Appropriations: X</p>	

6 yr appropriations

Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>
CIP-Impact Fee Revenues	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 2,100,000
CIP-Utility Revenues	\$ 3,150,000	\$ 4,650,000	\$ 6,650,000	\$ 6,650,000	\$ 4,650,000	\$ 4,650,000	\$ 30,400,000

6 yr estimated cost by activity

Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	
Capital Improvements	x	x	x	x	x	x	

Project: Water Master Planning, Preliminary Design, & Engineering Support

Description:

Projects provide for the evaluation and recommendations related to well field modeling and capacity, water supply permitting, water supply evaluations, CIP project estimates, and other miscellaneous engineering analysis. This project also includes funding for the next comprehensive facilities master plan scheduled for FY24/25. Comprehensive Master Plans are generally performed every 10 years and serve as the basis for recommending future improvements, replacements and upgrades. Comprehensive evaluations are performed with respect to water demands, available water supplies, system capacities, facilities condition assessments, regulatory impacts, water quality assessments, and financial implications.

Costs beyond are estimated to be \$5.6M.

<p>Budget Outcome:</p> <p>Date Anticipated:</p> <p>Rating:</p> <p>Status:</p> <p>Comp Plan Conformity:</p>	Safe and Healthy City
	N/a
	B
	Ongoing
	Generally Conforms with Plan
<p>Prior Appropriations: X</p>	

6 yr appropriations

Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>
CIP-Utility Revenues	\$ -	\$ 75,000	\$ 1,100,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 1,325,000

6 yr estimated cost by activity

Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	
Capital Improvements		x	x	x	x	x	

Project: Water Security Upgrade

Description:

Projects to provide security improvements and evaluations as recommended in the vulnerability assessment including fencing, surveillance systems, access control measures, and cyber-security.

Example projects include:

Vine Street Pump Station Security: \$160k - FY22/23

North Wellfield Fencing: \$300k - FY22/23

Airpark Reservoir Security: \$200k - FY23/24

Cheney Reservoir Security Upgrades: \$100k - FY23/24

Camera replacements (Ongoing): \$200k - FY24/25 - FY26/27

Cost beyond are estimated at \$3.0M. Projects are funded by utility revenues which may include revenue bond proceeds.

Budget Outcome:	Safe and Health City
Date Anticipated:	N/a
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total	
CIP-Utility Revenues	\$ 340,000	\$ 260,000	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 800,000	
6 yr estimated cost by activity								
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Improvements	x	x	x		x			

Project: Water System Reimbursement to Development

Description:

Contribution to developers to up-size water mains to 12" & 16" sizes on distribution system grid. Provides adequate flows for fire protection and looping for reliability in distribution system - to provide for growth. Also provides funding for Water Districts that are created to address areas where water mains have not been installed to serve properties in established neighborhoods. Projects are funded by utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	C
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total	
CIP-Utility Revenues	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 600,000	\$ 2,600,000	
6 yr estimated cost by activity								
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028		
Capital Improvements	x	x	x	x	x	x		

Project: Water System Reimbursement to Street Construction

Description:

To reimburse the cost to lower or relocate water mains that conflict with paving line and grade. A betterment cost formula that takes into account the age and condition of the existing water main in addition to the condition of the street, may be used to determine the cost share between Water and Street Construction funding. Projects are funded by utility revenues which may include revenue bond proceeds.

Budget Outcome:	Strong and Resilient City
Date Anticipated:	Ongoing
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

	Prior Appropriations:	X						
6 yr appropriations								
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>	
CIP-Utility Revenues	\$ 250,000	\$ 250,000	\$ 400,000	\$ 400,000	\$ 500,000	\$ 500,000	\$ 2,300,000	
6 yr estimated cost by activity								
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>		
Capital Improvements	x	x	x	x	x	x		

