
City of Grand Island



Tuesday, July 16, 2019 Study Session Agenda

City Council:

Jason Conley
Michelle Fitzke
Chuck Haase
Julie Hehnke
Jeremy Jones
Vaughn Minton
Mitchell Nickerson
Mike Paulick
Clay Schutz
Mark Stelk

Mayor:

Roger G. Steele

City Administrator:

Jerry Janulewicz

City Clerk:

RaNae Edwards

7:00 PM

Council Chambers - City Hall
100 East 1st Street, Grand Island, NE 68801

Call to Order

This is an open meeting of the Grand Island City Council. The City of Grand Island abides by the Open Meetings Act in conducting business. A copy of the Open Meetings Act is displayed in the back of this room as required by state law.

The City Council may vote to go into Closed Session on any agenda item as allowed by state law.

Invocation

Pledge of Allegiance

Roll Call

A - SUBMITTAL OF REQUESTS FOR FUTURE ITEMS

Individuals who have appropriate items for City Council consideration should complete the Request for Future Agenda Items form located at the Information Booth. If the issue can be handled administratively without Council action, notification will be provided. If the item is scheduled for a meeting or study session, notification of the date will be given.

B - RESERVE TIME TO SPEAK ON AGENDA ITEMS

This is an opportunity for individuals wishing to provide input on any of tonight's agenda items to reserve time to speak. Please come forward, state your name and address, and the Agenda topic on which you will be speaking.



City of Grand Island

Tuesday, July 16, 2019

Study Session

Item -1

Review Wastewater Division Budget for FY 2019/2020

Staff Contact: John Collins, P.E. - Public Works Director

Public Works Wastewater Division - 10 Year Capital Improvement Program - Preliminary Draft

Capital Projects		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	TOTAL
Physical Facilities														
	Relocate WWTP Entrance - Museum Drive												\$875,000	\$875,000
	Concrete Pad Upgrade		\$50,000											\$50,000
	Facility Security	\$50,000	\$50,000											\$100,000
	Fill in Building 5 (Old Headworks)												\$180,000	\$180,000
	Building 2 Renovation (Admsin Bldg)		\$210,000										\$4,250,000	\$4,460,000
	Collection System Office and Equipment Warm Storage												\$1,000,000	\$1,000,000
Plant Operations														
	Process modification from MLE to A2O						\$237,500							\$237,500
	Micro C Pumping Modifications								\$1,350,000					\$2,250,000
	Internal Recycle Pumps & Piping			\$900,000						\$3,750,000				\$3,750,000
	Aeration Basin Influent flow improvements									\$600,000				\$600,000
	Tank Baffle in Aeration Basin										\$250,000			\$550,000
	Online Monitoring	\$300,000									\$1,070,000			\$1,070,000
	Blower Modifications												\$4,412,500	\$4,412,500
	RAS Fermenter													
	Anaerobic Digestion													
	Anaerobic Digestion Study												\$300,000	\$300,000
	Anaerobic Digestion Pilot Project												\$300,000	\$300,000
	Silo Anaerobic Digester & Digester Building												\$14,500,000	\$14,500,000
	Biomethane Facility												\$13,500,000	\$13,500,000
	Sludge Drying Building (Solar)												\$9,500,000	\$9,500,000
	Chloride Reduction												\$8,000,000	\$8,000,000
Planning and Engineering														
	Revise Flow & Rate Study	\$270,000					\$270,000					\$270,000		\$810,000
Collection System Rehabilitation														
	Downtown System Rehabilitation (2019-S-1)	\$750,000												\$750,000
	Riverside West Dewatering Project			\$3,000,000									\$1,000,000	\$4,000,000
	Riverside East Dewatering Project												\$2,000,000	\$2,000,000
	Riverside Area Rehabilitation												\$1,450,000	\$1,450,000
	Senior High School Area												\$1,000,000	\$1,000,000
	Pier Park Area												\$1,680,000	\$1,680,000
	Airport Sanitary Sewer Rehabilitation												\$3,000,000	\$3,000,000
Sanitary Sewer Conflicts with Storm Sewers														
	5th and Vine												Unknown	Unknown
	9th and Vine												Unknown	Unknown
	Home Depot Detention Cell												Unknown	Unknown
Lift Stations and System Upgrades														
	Lift Station 6 Abandonment/6th & Market Inverted Siphon												\$4,800,000	\$4,800,000
	Lift Station 11 Upgrade	\$1,400,000												\$1,400,000
	South Interceptor - Phase 1A (Bismark/Fonner Park)					\$5,000,000	\$5,500,000							\$10,500,000
	South Interceptor - Phase 1B (Bismark/Fonner Park)												\$12,000,000	\$12,000,000
	South Interceptor - Phase 2 (To Lift Station 20)												\$50,000,000	\$50,000,000
	Upgrade LS 17 - Rehab												\$3,600,000	\$3,600,000
Storm Sewer Upgrades														
	Riverside Area - Sump Pump Pilot Program												\$600,000	\$600,000

Public Works Wastewater Division - 10 Year Capital Improvement Program - Preliminary Draft

Capital Projects		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	Future	TOTAL
Assessment or Tap Districts														
	Sanitary Sewer District (Willow Street)	\$218,000												\$218,000
	Sanitary Sewer District (Hanover Subd)		\$1,350,000											\$1,350,000
	Sanitary Sewer District (E 15th St)												\$500,000	\$500,000
	Sanitary Sewer District (E Seedling Mile Road)												\$1,000,000	\$1,000,000
	Sanitary Sewer District (Claude Road)												\$450,000	\$450,000
	Sanitary Sewer District (Adams & Phoenix)												\$150,000	\$150,000
	Sanitary Sewer District (E. Stolley Park Road)												\$255,000	\$255,000
	Sanitary Sewer District (800 Lincoln, 1218 & 1204)												\$150,000	\$150,000
	Sanitary Sewer District (Schroeder Sub/Husker Hwy Tap)												\$1,200,000	\$1,200,000
	Sanitary Sewer District (Pioneer Blvd)												\$30,000	\$30,000
	Sanitary Sewer District (Scheel Road)												\$80,000	\$80,000
	Sanitary Sewer District (3630 S. Locust)												\$225,000	\$225,000
	Sanitary Sewer District (Wetzel)												\$180,000	\$180,000
	Sanitary Sewer District (Villa Mar Dee - S. Side)												\$50,000	\$50,000
	Sanitary Sewer District (Doniphan)												\$4,000,000	\$4,000,000
	Sanitary Sewer District (East Lakes - eone)												\$2,000,000	\$2,000,000
	Sanitary Sewer District (North Rd. - State St. to Hwy 2)			\$1,000,000										\$1,000,000
Totals		\$2,988,000	\$1,660,000	\$4,900,000	\$0	\$5,000,000	\$6,007,500	\$0	\$1,350,000	\$4,350,000	\$1,320,000	\$270,000	\$148,217,500	\$176,063,000

10 year CIP average \$2,485,750
5-year CIP average \$2,909,600

2020 Wastewater Budget



Enterprise fund

- Handle wastewater generated by community residents, businesses and industries.
- Meet all state and national requirements for effluent quality.
- Rely strictly on revenue collected for funding of all operations and capital improvements.
- Average residential bill for 2018 was \$31.19, well below the \$37.89 average for comparable cities

Wastewater Overview

- Handle an average of 12.2 million gallons every day
 - Peak flows over 20 mgd
- F.O.G. (Fat, Oil, Grease) Monitoring
 - Working with County Health Dept. Inspectors
 - Will be developing a formal program in 2020
 - Particularly damaging to the collection system
(Generation of H_2S)



FY 2019 Capital Projects

(\$ 3,405,585)

ITEM	DESCRIPTION	2019 COST
BNR STUDY (HDR)	PREP FOR TIGHTENING REGULATIONS	\$ 75,445
FLOW & RATE STUDY (BV)	VERIFY HYDRAULICS & REVIEW RATES	\$ 205,000
DIFFUSER REPLACEMENT	REPLACE DIFFUSER IN BASINS (REG MAINT – 5-7 YR LIFE)	\$ 59,000
CLARIFIER REHAB	REHAB FINAL CLARIFIER (REG MAINT – 20 YR LIFE)	\$ 315,000
UPGRADE WAS BLOWERS	IMPROVE BLOWERS IN W.A.S. TANKS (MAINT)	\$ 115,298
DNTN COLLECT REHAB	CIPP COLLECTION SYST LINING (EXTEND LIFE 50+ YR)	\$ 780,000
LS 11 MOVE/UPGRADE	PRIMARY COLLECTION FOR SF HOSPITAL	\$ 900,000
VEHICLE REPLACEMENT	3 VEHICLES INCLUDING LIFT TRUCK (MAINT)	\$ 228,449
ONLINE MONITORING	FLOW METERS IN COLLECTION SYSTEM, ETC.	\$ 250,000
FY2018 CARRY OVER	LS-28; STOLLEY-ENGLEMAN; MISC	\$ 477,393

Lift Station No. 11 Relocation

Carry over from FY 2019 – \$400,000 (est.)

- ❏ Late spring caused construction delay
- ❏ Located near CHI Health St. Francis
- ❏ Continuity of service is critical
- ❏ Need to install generator for backup power
- ❏ Will move 100,000 gallons per day from south interceptor to the north interceptor



Facility Security

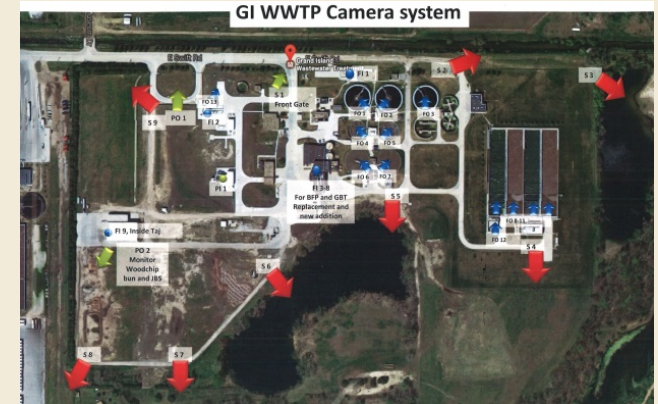
\$50,000 (Ongoing)

Long Range Plan

- Wastewater facility covers approx. 13 acres.
- Physical intrusion history
- America's Water Infrastructure Act 2018



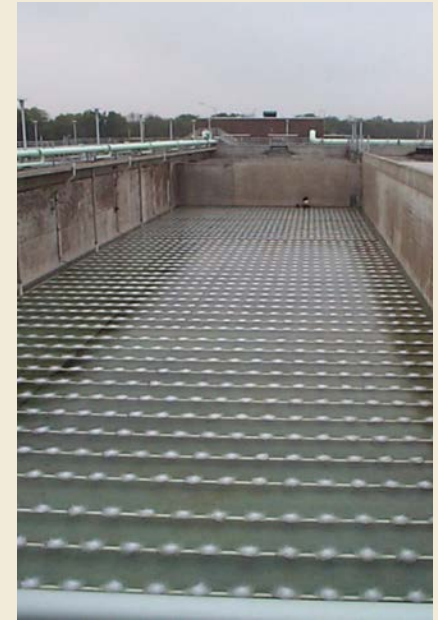
View WWTP of Back Lot



Diffuser Replacement

\$50,000 (Maintenance – Included in Operating Costs)

- This will be the 2nd of 4 basins
- Each diffuser has a 5-7 year life
 - Diffusers are evaluated each year and, if necessary, individual units are repaired
- Current schedule is to replace diffusers in one basin per year



Final Clarifier Rehabilitation

\$400,000 (Maintenance – Included in Operating Costs)

- This is the 2nd of 3 clarifiers to be done
- Final clarifiers installed in 2000
- Typically have 15-20 year life



Anodes inhibit corrosion

Corrosion in Clarifier



Capital Equipment: Flusher Truck

\$350,000

- 19 years old
- Original cost: \$98,000
- Operating hours: 10,340 (equivalent to 400-500,000 miles)
- Total lifetime maintenance cost of almost \$150,000
- Limited water tank capacity causes frequent trips for refilling



Capital Equipment: Biosolids Dump Truck

\$180,000

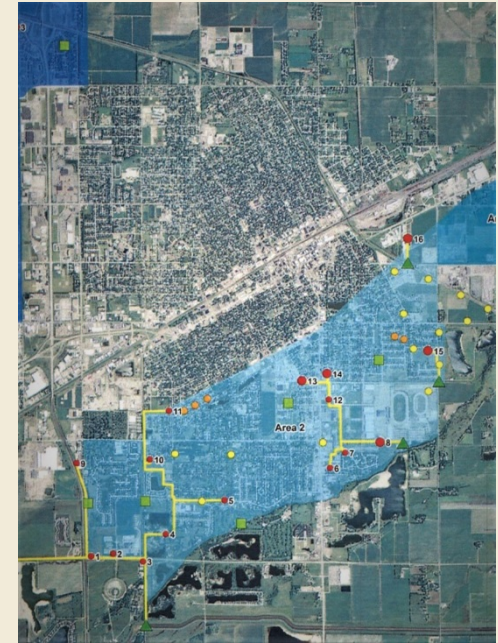
- 20 Years old
- Original Cost: \$36,000
- Uncertain total usage (meter broken)
- Substantial downtime for repair
- Total lifetime repair costs over \$66,000



Dewatering Model

\$ 150,000

- Evaluate an alternative to \$30 million South Interceptor reconstruction and area sanitary main repairs
- Develop conceptual plan and economic benefit
- Preliminary construction estimate \$3 to \$6 million



Assessment Districts

\$ 1,570,000

- Hanover Subdivision
- Willow Street Neighborhood



Hanover SID



Willow Street SID

2020 CIP Projects

DESCRIPTION	REASON	COST
CARRYOVER COST	COMPLETION OF LS 11	\$ 400,000
FACILITY SECURITY (ONGOING)	INTRUSION PROTECTION, AWIA REQ	\$ 50,000
REPLACE WWTP TRUCKS	19, 20-YEAR OLD, HIGH MAINT	\$ 530,000
WWTP BUILDING 2	HVAC; FACILITATE FOG PROG	\$ 210,000
UPGRADE REC STATION	IMPROVE DUMP STATION	\$ 100,000
DEWATERING STUDY	UPDATE MODEL, EVALUATE FEASIBILITY	\$ 150,000
WILLOW STREET	SERVICE TO RESIDENTS	\$ 220,000
HANOVER SUBDIVISION	SERVICE TO RESIDENTS	\$ 1,350,000
	TOTAL 2020 CAPITAL COST	\$ 3,010,000

2020 Budget

Beginning Cash	\$	20,279,289
Revenue (Including SRF Proceeds)	\$	13,793,943
Operating Costs	\$	8,287,432
Loan/Bond Payments	\$	4,721,841
Capital Expenses	\$	3,010,000
Total Expenditures	\$	16,019,273
Ending Cash	\$	18,053,959

2020 Capital Project Future Expenses

Description	2020	2021	2022	2023	2024	2020-2024 Total
New Physical Facilities/Operations						
WWTP Paving		\$200,000				\$200,000
Relocate WWTP Entrance - Museum Drive			\$1,200,000			\$1,200,000
Receiving Station Upgrade	\$100,000					\$100,000
Biological Nutrient Removal (BNR)		\$1,000,000			\$300,000	\$1,300,000
Revise Flow & Rate Study					\$300,000	\$300,000
Dewatering Study	\$150,000					\$150,000
Facility Security	\$50,000					\$50,000
Building 2 Renovation	\$210,000					\$210,000
6T & Market Inverted Siphon Abandonment			\$1,400,000			\$1,400,000
Lift Station 6 Abandonment		\$1,972,643				\$1,972,643
Lift Station 11 Upgrade	\$400,000					\$400,000
South Interceptor - Phase 1			\$500,000	\$5,500,000	\$6,000,000	\$12,000,000
Willow Street collection system	\$220,000					\$220,000
Hanover Street collection system	\$1,350,000					\$1,350,000
New Equipment						
Vehicle Addition/Replacement	\$530,000	\$50,000	\$50,000	50000		\$680,000
Maintenance/Replacement						
Final Clarifier Rehabilitation	\$400,000	\$400,000				\$800,000
Diffuser Replacement	\$50,000	\$50,000	\$50,000			\$150,000
Total	\$3,460,000	\$4,422,643	\$3,950,000	\$6,300,000	\$7,350,000	\$25,482,643

Wastewater Operational Awards

- 🌊 NWEA Bronze Safety Award (5th Year in a Row)
- 🌊 NWEA Scott Wilber Outstanding Facility Award (5th Year in a Row)





City of Grand Island

Tuesday, July 16, 2019

Study Session

Item -2

Review Utilities Electric and Water Budgets for FY 2019/2020

Staff Contact: Tim Luchsinger, Utilities Director

Council Agenda Memo

From: Timothy Luchsinger, Utilities Director

Meeting: July 16, 2019

Subject: Electric and Water Budgets for 2019 - 2020

Presenter(s): Timothy Luchsinger, Utilities Director

Background

The proposed budgets for Electric Utility Enterprise Fund 520 and Water Utility Enterprise Fund 525 have been developed for the City's Fiscal Year 2019-2020 by Department management and financial staff.

Discussion

These budgets will be presented for preliminary discussion by Council.

Conclusion

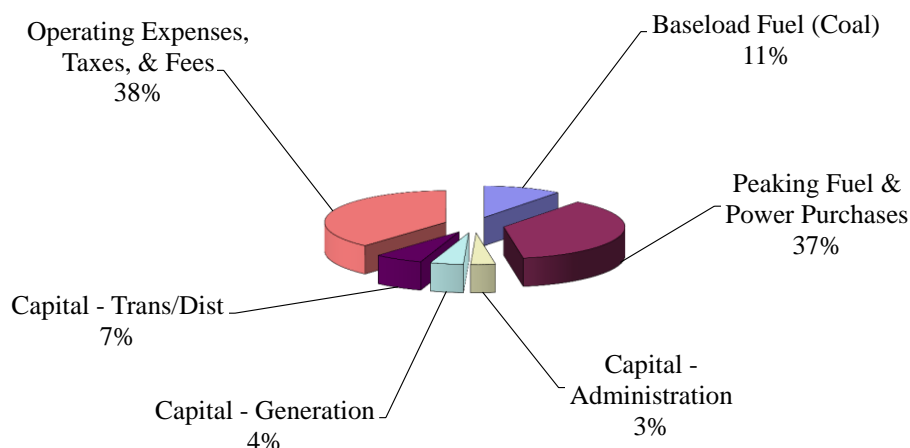
This item is presented to the City Council in a Study Session to allow for any questions to be answered and to create a greater understanding of the issue at hand.

It is the intent of City Administration to bring this issue to a future council meeting for the Council to approve.

ACCOUNT		2017-2018 ACTUAL	2018-2019 BUDGET	2018-2019 PROJECTED	2019-2020 BUDGET
ENTERPRISE DEPARTMENT 520 - ELECTRIC UTILITY					
ACCRUED EXPENSES					
METER READING EXPENSE	90200	281,854	300,000	282,000	375,000
RECORDS & COLLECTION	90300	684,751	750,000	690,000	575,000
RECORDS & COLLECTION-MIS	90301	378,006	575,000	455,000	500,000
CASH OVER & SHORT	90310	-	-	-	-
UNCOLLECTABLE ACCOUNTS	90400	74,973	85,000	84,000	90,000
ADMINISTRATIVE SALARIES	92000	512,742	540,000	516,000	720,000
OFFICE SUPPLIES & EXPENSE	92100	29,861	35,000	36,000	40,000
OUTSIDE SERVICES EMPLOYED	92300	1,195,122	1,375,000	1,259,000	1,325,000
INSURANCE	92400	338,574	370,000	370,000	400,000
INJURIES & DAMAGES	92500	193,843	135,000	204,000	225,000
EMPLOYEE BENEFITS	92600	1,389,135	1,600,000	1,373,000	1,140,000
MISCELLANEOUS GENERAL	93000	117,968	135,000	125,000	135,000
UTILITY OFFICE RENT	93101	7,370	7,370	7,370	7,370
MAINTENANCE OF GENERAL PROPERTY	93200	25,105	5,000	33,000	35,000
GENERAL ADMINISTRATIVE SERVICE EXPENSE		5,229,305	5,912,370	5,434,370	5,567,370
DEPRECIATION-PLANT	40310	6,957,851	7,380,000	6,790,000	7,000,000
DEPRECIATION-TRANSMISSION	40340	834,736	835,000	870,000	900,000
DEPRECIATION-DISTRIBUTION	40350	3,602,378	3,650,000	3,690,000	3,800,000
DEPRECIATION-GENERAL	40360	1,110,324	1,125,000	1,140,000	1,200,000
MERCHANDISE MATERIAL	41510	117,417	250,000	125,000	150,000
MERCHANDISE LABOR	41520	188,133	150,000	225,000	250,000
NON-UTILITY PROPERTY	41710	151	200	180	200
LOSS ON DISPOSITION OF PROPERTY	42120	293,793	150,000	150,000	200,000
INTEREST 2012 LONG TERM DEBT	42775	322,812	280,334	280,334	214,034
INTEREST 2013 LONG TERM DEBT	42785	1,434,600	1,394,800	1,394,800	1,348,017
AMORTIZATION OF DEBT EXPENSE	42800	-	-	-	-
DEPOSIT INTEREST EXPENSE	43100	2,419	1,500	4,800	5,000
OPER SUPERVISION & ENG - BURDICK STEAM	50010	110,370	-	-	-
OPER SUPERVISION & ENG - PGS	50020	436,409	465,000	469,000	485,000
GENERATION FUEL - BURDICK STEAM	50110	794	-	-	-
GENERATION FUEL - PGS	50120	8,209,303	10,000,000	9,690,000	10,300,000
STATION LABOR & MATERIAL - BURDICK STEAM	50210	27,528	-	-	-
STATION LABOR & MATERIAL - PGS	50220	1,467,585	1,550,000	1,507,000	1,568,000
GENERATION PRODUCTION - BURDICK STEAM	50510	48,707	-	-	-
GENERATION PRODUCTION - PGS	50520	1,268,393	1,250,000	1,443,000	1,490,000
GENERATION PRODUCTION - PGS LIME	50521	364,666	420,000	424,000	460,000
GENERATION PRODUCTION - PGS PAC	50522	182,313	150,000	181,000	200,000
OPERATION SUPPLIES - BURDICK STEAM	50610	84,089	-	-	-
OPERATION SUPPLIES - PGS	50620	434,006	425,000	521,000	550,000
MAINT SUPER & ENG - BURDICK STEAM	51010	39,184	-	-	-
MAINT SUPER & ENG - PGS	51020	210,515	225,000	229,000	240,000
MAINT OF STRUCTURES - BURDICK STEAM	51110	20,595	-	-	-
MAINT OF STRUCTURES - PGS	51120	880,441	1,050,000	957,000	1,100,000
MAINT OF BOILER PLANT - BURDICK STEAM	51210	54,855	-	-	-
MAINT OF BOILER PLANT - PGS	51220	2,973,197	3,750,000	2,828,000	3,250,000
MAINT OF AQCS - PGS	51225	7,757	-	265,000	615,000
MAINT OF GENERATION EQUIP - BURDICK STEAM	51310	7,003	-	-	-
MAINT OF GENERATION EQUIP - PGS	51320	441,807	725,000	493,000	530,000
OPER SUPERVISION & ENG - BURDICK CT'S	54630	205,988	460,000	294,000	310,000
GENERATION FUEL - BURDICK CT'S	54730	436,034	235,000	559,000	600,000
GENERATION PRODUCTION - BURDICK CT'S	54830	751,244	930,000	842,000	960,000
OPERATION SUPPLIES - BURDICK CT'S	54930	110,250	205,000	172,000	215,000
MAINT SUPER & ENG - BURDICK CT'S	55130	22,622	75,000	90,000	75,000
MAINT OF STRUCTURES - BURDICK CT'S	55230	13,715	232,500	51,000	100,000
MAINT OF GENERATION EQUIP - BURDICK CT'S	55330	346,308	440,000	400,000	440,000
PURCHASED POWER-NPPD	55500	-	-	-	-
PURCHASED POWER-WAPA	55510	831,377	1,000,000	814,000	1,000,000
PURCHASED POWER-OPPD	55520	8,885,559	8,750,000	8,920,000	9,400,000

	ACCOUNT	2017-2018 ACTUAL	2018-2019 BUDGET	2018-2019 PROJECTED	2019-2020 BUDGET
PURCHASED POWER-PPGA	55530	4,437,248	4,500,000	4,790,000	5,200,000
PURCHASED POWER-WIND	55540	882,759	700,000	650,000	850,000
PURCHASED POWER-WIND / INVENERGY	55541	3,693,526	4,000,000	3,650,000	4,000,000
PURCHASED POWER-MEAN	55550	-	-	-	-
PURCHASED POWER-TENASKA	55560	17,361,521	16,500,000	19,123,000	19,500,000
PURCHASED POWER-SOLAR	55570	-	150,000	150,000	150,000
OPER SUPERVISION & ENG-TRANS	56000	850,210	900,000	841,000	900,000
LOAD DISPATCHING-TRANS	56100	540,360	450,000	450,000	720,000
PURCHASED POWER - TRANSMISSION	56110	3,573,083	4,750,000	4,100,000	4,500,000
MAINT OF SUBSTATION-TRANS	57000	26,458	22,000	24,000	30,000
MARKET EXPENSE- TRANS	57500	196,845	215,000	203,000	225,000
OPER SUPERVISION & ENGINEERING-DIST	58000	180,497	345,000	208,000	275,000
LOAD DISPATCHING-DIST	58100	610,525	700,000	659,000	700,000
OPER OF SUBSTATION-DIST	58200	560	750	680	750
OVERHEAD LINE-DIST	58300	167,012	205,000	168,000	180,000
METER OPERATING-DIST	58600	103,402	175,000	100,000	150,000
MAINT OF SERV ON CUST PROP-DIST	58700	245,008	270,000	238,000	250,000
OFFICE SUPPLIES-DIST	58800	1,265,935	1,280,000	1,403,000	1,500,000
MAINT OF STATION EQUIP-DIST	59200	1,161,341	975,000	1,249,000	1,300,000
MAINT OF LINES-DIST	59300	787,773	825,000	835,000	850,000
MAINT OF UNDERGROUND LINES-DIST	59400	757,386	780,000	723,000	775,000
MAINT OF TRANSFORMER-DIST	59500	41,474	75,000	38,000	50,000
MAINT OF METERS-DIST	59700	-	-	-	-
MAINT OF MISC PLANT-DIST	59800	329,602	385,000	333,000	350,000
TOTAL OPERATING EXPENSE		80,949,752	85,757,084	85,754,794	91,411,001
ACCRUED ADMIN & OPERATING EXPENSES		86,179,057	91,669,454	91,189,164	96,978,371
TOTAL CAPITAL EXPENSES		9,250,212	11,745,000	10,730,583	13,980,000
ACCRUED & CAPITAL EXPENSE		95,429,268	103,414,454	101,919,747	110,958,371
OTHER USES OF FUNDS - IN LIEU OF TAX	40800	771,399	650,000	700,000	700,000
LESS DEPRECIATION		(12,505,289)	(12,990,000)	(12,490,000)	(12,900,000)
FINAL ACCRUED EXPENSE		83,695,378	91,074,454	90,129,747	98,758,371
ACCRUAL RECONCILIATION		2,191,547	-	-	-
TOTAL APPROPRIATION		85,886,925	91,074,454	90,129,747	98,758,371

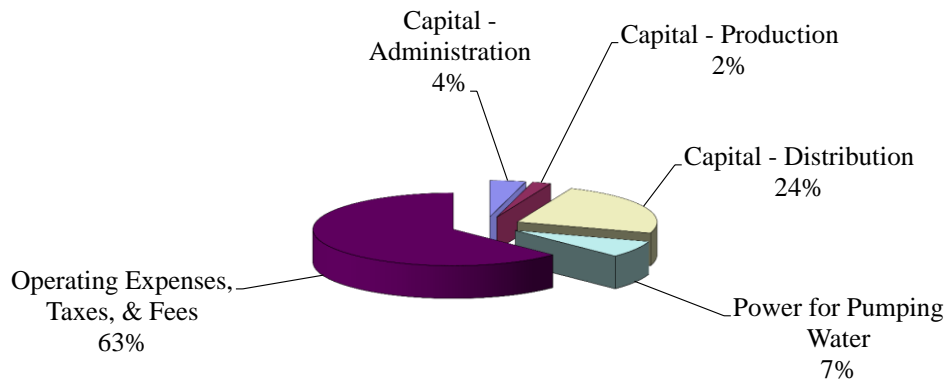
Electric Department Appropriation



ACCOUNT	2017-2018 ACTUAL	2018-2019 BUDGET	2018-2019 PROJECTED	2019-2020 BUDGET
ACCRUAL REVENUE				
MERCHANDISE SALES	41500	645,207	500,000	500,000
REVENUE NON-UTILITY PROPERTY	41700	-	-	-
INTEREST & DIVIDEND	41900	554,590	400,000	750,000
MISC NON-OPERATING	42100	10,745	12,500	11,600
GAIN ON DISPOSITION OF PROP	42110	70,249	25,000	25,000
AMORTIZATION OF DEBT PREMIUM	42900	418,926	397,540	397,540
RESIDENTIAL SALES	44000	20,852,810	21,250,000	20,500,000
DUSK TO DAWN SALES	44020	134,649	140,000	126,000
COMMERCIAL & INDUSTRIAL SALES	44200	42,727,756	44,000,000	41,955,000
WHOLESALE ENERGY - NPPD	44700	222,569	250,000	230,000
WHOLESALE ENERGY - OPPD	44710	-	-	-
WHOLESALE ENERGY - MEAN	44720	-	-	-
WHOLESALE ENERGY - TENASKA	44730	19,792,183	17,750,000	24,000,000
WHOLESALE ENERGY - HASTINGS	44740	-	-	-
WHOLESALE ENERGY - NE CITY	44750	278,450	300,000	232,000
WHOLESALE ENERGY - NELIGH	44760	79,557	85,000	66,000
WHOLESALE ENERGY - SPP	44770	929,977	825,000	977,000
INTERDEPARTMENTAL SALES	44800	1,758,538	1,850,000	1,392,000
FORFEITED DISCOUNTS	45000	189,173	190,000	187,000
SERVICE SALES	45100	11,250	15,000	10,530
RENT FROM PROPERTY	45400	71,205	60,000	72,000
TOTAL ACCRUAL REVENUE		88,747,835	88,050,040	91,431,670
ACCRUAL RECONCILIATION		(418,926)	(397,540)	(397,540)
TOTAL REVENUE		88,328,909	87,652,500	91,034,130
BOND & LOAN PROCEEDS		-	-	-
TOTAL REVENUE & BOND PROCEEDS		88,328,909	87,652,500	91,034,130
OPERATING EXCESS (DEFICIT)		11,692,196	8,323,046	11,634,966
CAPITAL EXPENDITURES		(9,250,212)	(11,745,000)	(10,730,583)
BEGINNING FUND BALANCE		48,890,285	51,332,269	51,332,269
ENDING UNRESTRICTED BALANCE		43,290,555	40,207,129	43,692,167
ENDING RESTRICTED BALANCE		8,041,713	7,703,186	8,544,485

	ACCOUNT	2017-2018 ACTUAL	2018-2019 BUDGET	2018-2019 PROJECTED	2019-2020 BUDGET
ENTERPRISE DEPARTMENT 525 - WATER OPERATIONS					
ACCRUED EXPENSES					
METER READING	78100	100,427	110,000	101,000	195,000
CUSTOMER BILLING & ACCOUNTING	78200	270,406	330,000	273,000	310,000
DATA PROCESSING	78250	63,436	175,000	65,000	70,000
UNCOLLECTABLE ACCOUNTS	78400	6,782	7,000	10,000	11,000
ADMINISTRATIVE SALARY EXPENSE	79000	50,579	55,000	50,000	60,000
OFFICE SUPPLIES	79300	7,933	7,000	8,500	10,000
SPECIAL SERVICES	79500	111,192	140,000	121,500	135,000
INSURANCE	79800	10,471	15,000	11,000	15,000
INJURIES & DAMAGES	79900	10,001	5,000	10,500	12,500
EMPLOYEE BENEFITS	80010	157,985	200,000	165,000	80,000
PENSIONS	80020	23,330	25,000	24,000	15,000
MISCELLANEOUS	80100	13,359	27,500	10,000	15,000
MAINT OF GENERAL PROPERTY	80200	98,168	105,000	95,500	125,000
UTILITY OFFICE RENT	80300	3,630	3,630	3,630	3,630
BACKFLOW PROTECTION PROGRAM	81000	136,165	145,000	140,500	150,000
GENERAL ADMINISTRATIVE SERVICE EXPENSE		1,063,863	1,350,130	1,089,130	1,207,130
DEPRECIATION-SUPPLY	50310	70,011	80,000	72,000	75,000
DEPRECIATION-PUMPING EQUIP	50320	23,739	25,000	24,000	30,000
DEPRECIATION-TREATMENT PLANT	50330	151,452	165,000	153,500	165,000
DEPRECIATION-DISTRIBUTION	50340	679,561	745,000	700,000	725,000
DEPRECIATION-GENERAL	50350	185,631	200,000	190,000	200,000
INTEREST EXPENSE - 2012 BONDS	53000	-	-	-	-
INTEREST EXPENSE - 2017 BONDS	53010	193,874	195,405	195,405	189,347
DEBT EXPENSE ON BONDS	53100	-	-	-	-
MERCHANDISE-MATERIAL	61610	206,901	110,000	225,000	200,000
MERCHANDISE-LABOR	61620	82,390	80,000	100,000	150,000
OPERATION SUPPLIES	70300	14,639	25,000	15,000	20,000
MAINT OF WELLS & STRUCTURES	70500	23,811	60,000	41,500	70,000
OPERATION LABOR	72200	276,320	230,000	291,000	315,000
POWER FOR PUMPING	72300	482,714	590,000	487,000	550,000
MAINT OF PUMPING EQUIP	72700	139,268	230,000	131,000	140,000
PURIFICATION SUPPLIES	74300	943,841	1,000,000	970,000	1,000,000
MAINT OF PURIFICATION EQUIP	74600	12,937	30,000	11,000	30,000
OPERATION SUPERVISION & ENG	75100	236,105	260,000	232,000	320,000
OFFICE EXPENSE-DIST	75200	91,206	60,000	60,000	65,000
OPERATION OF MAINS	75300	260,558	275,000	230,000	275,000
OPERATION OF METERS	75400	129,168	130,000	132,000	140,000
MAINT OF DIST MAINS	75800	167,838	225,000	165,000	230,000
MAINT OF FIRE HYDRANTS	75900	183,443	180,000	188,500	190,000
OPERATIONS TOTAL		4,555,406	4,895,405	4,613,905	5,079,347
ACCRUED ADMIN & OPERATING EXPENSES		5,619,268	6,245,535	5,703,035	6,286,477
TOTAL CAPITAL EXPENSES		4,572,235	2,775,000	2,260,000	2,205,000
ADJUSTED ACCRUED EXPENSES		10,191,503	9,020,535	7,963,035	8,491,477
OTHER USES OF FUNDS - IN LIEU OF TAX	53300	66,442	70,000	70,000	70,000
LESS DEPRECIATION		(1,110,393)	(1,215,000)	(1,139,500)	(1,195,000)
FINAL ACCRUED EXPENSE		9,147,551	7,875,535	6,893,535	7,366,477
ACCRUAL RECONCILIATION		211,531	-	-	-
TOTAL APPROPRIATION		9,359,083	7,875,535	6,893,535	7,366,477

Water Department Appropriation



ACCRUAL REVENUE

WATER TAP FEES	52000	5,581	-	10,000	10,000
WATER MAIN CONTRIBUTIONS	52010	-	-	-	-
RENT FROM PROPERTY	52200	-	-	-	-
INTEREST & DIVIDEND	52400	9,664	10,000	10,000	10,000
MISC NON-OPERATING	52600	116,018	125,000	125,000	125,000
GAIN ON DISPOSITION-PROP	52610	-	-	-	-
METERED SALES	60100	5,926,926	6,275,000	5,925,000	5,950,000
PRIVATE FIRE PROTECTION	60400	79,815	75,000	80,000	80,000
INTERDEPARTMENTAL SALES	60800	159,442	175,000	170,000	170,000
SALE OF WATER SERVICES	61400	72	50	70	70
MERCHANDISE SALES	61600	346,942	225,000	350,000	350,000

TOTAL ACCRUAL REVENUE

6,644,461	6,885,050	6,670,070	6,695,070
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ACCRUAL RECONCILIATION

-	-	-	-
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TOTAL REVENUE

6,644,461	6,885,050	6,670,070	6,695,070
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BOND PROCEEDS

TOTAL REVENUE & BOND PROCEEDS

6,644,461	6,885,050	6,670,070	6,695,070
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OPERATING EXCESS (DEFICIT)	1,857,613	1,784,515	2,036,535	1,533,593
CAPITAL EXPENDITURES	(4,572,235)	(2,775,000)	(2,260,000)	(2,205,000)
BEGINNING FUND BALANCE	10,025,797	7,311,175	7,311,175	7,087,710
ENDING UNRESTRICTED BALANCE	6,894,599	5,901,697	6,643,880	5,945,219
ENDING RESTRICTED BALANCE	416,575	418,993	443,830	471,084

CITY OF

Grand Island

NEBRASKA

UTILITIES

2019-20 BUDGET OVERVIEW

Electric Department – Fund 520

Water Department – Fund 525

Budget Guidelines

- Conservative (low) revenue forecast
 - Weather dependent
 - Ensure debt service coverage
- Conservative (high) operating costs
 - Generation fuel/purchased power
 - Allow potential production capacity
- Maintain adequate cash reserves
- Manage controllable operating expenses and capital expenditures

Cash Reserve Guidelines

- 🌊 Cash Reserve Considerations
 - 🌊 Working Capital
 - 🌊 Replacement Power
 - 🌊 Asset Replacement
 - 🌊 Capital Improvement Reserve
 - 🌊 Debt Service Reserve
- 🌊 Electric Fund - \$36,655,000
- 🌊 Water Fund - \$4,123,000

Capital Improvement Budgets

- 🌐 Electric and Water Master Plans recently completed
- 🌐 5 and 20 Year System Requirements
 - 🌐 Technical Evaluation
 - 🌐 No Financial Evaluation
- 🌐 Recommendations included in 5 year capital improvement budget forecasts

CITY OF

Grand Island

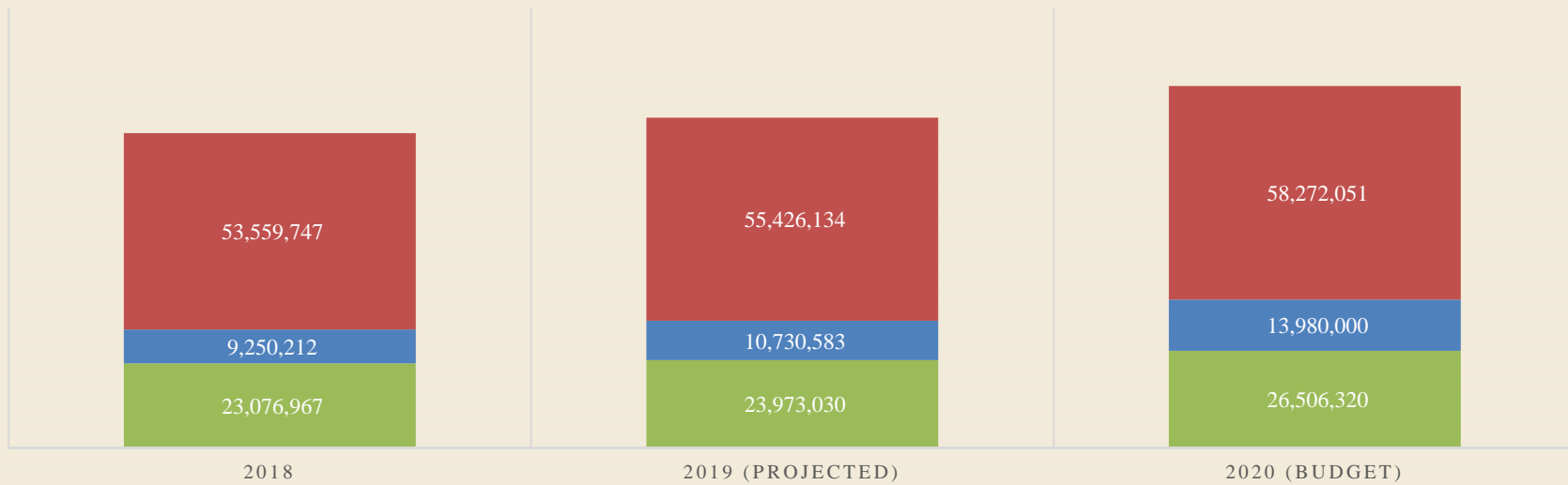
NEBRASKA

UTILITIES

ELECTRIC DEPARTMENT FUND 520

ELECTRIC DEPARTMENT - FUND 520

■ Admin and Operating ■ Capital Expenditures ■ Fuel, purchase power, debt service



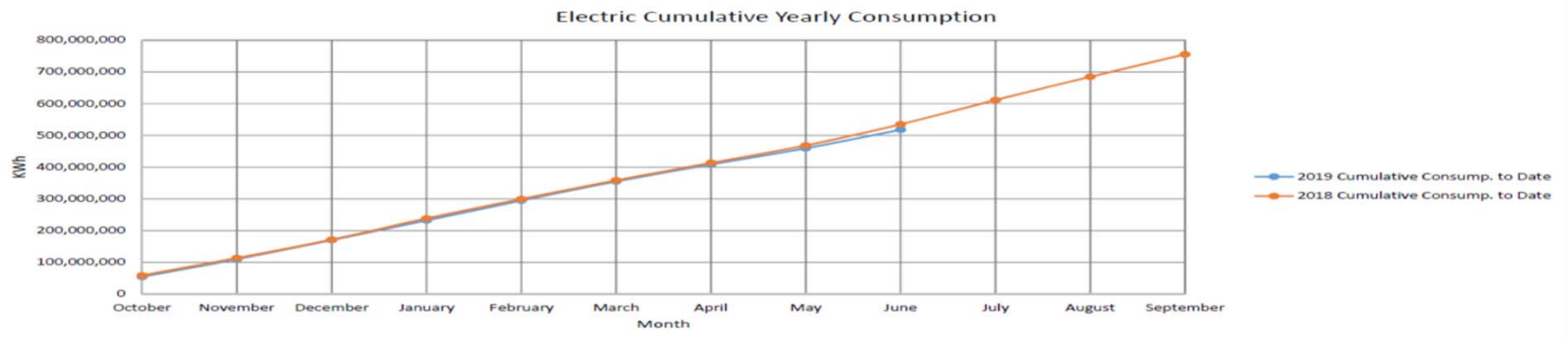
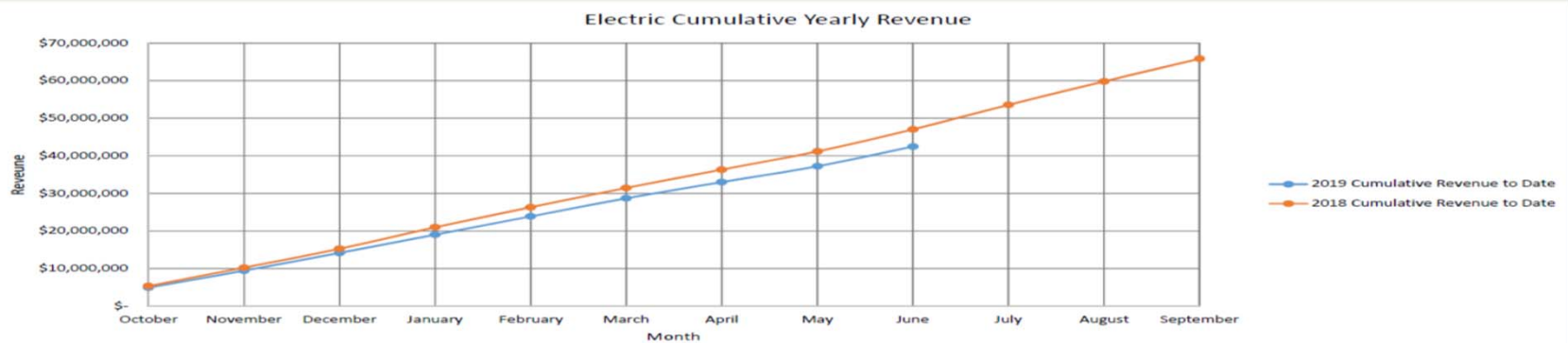
Electric Capital Improvements

- Total Capital Budget - \$13,230,000
 - Transmission and Substation Upgrades - \$1,350,000
 - Bond payments - \$3,225,000
 - Distribution improvements - \$4,275,000
 - \$1,150,000 Automated metering/LED lighting
 - Power plant maintenance/improvements - \$4,340,000
 - \$2,650,000 Burdick decommissioning/GT modifications

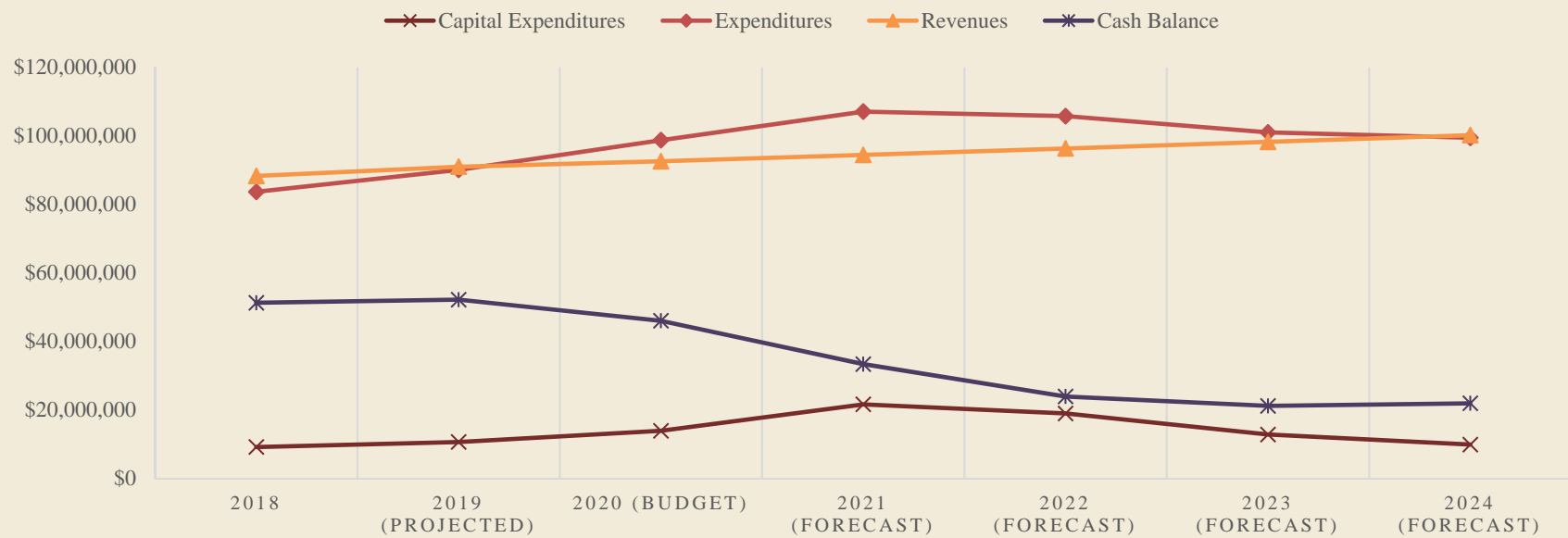
Noted Proposals

- Electric Cost of Service Study Recommendations Implemented
- Burdick Steam Unit Retirement and Staff Reorganization / GT-1 Replacement
 - GT-1 - 13MW quickstart/blackstart commissioned in 1967
 - 4 to 5 Year Project
 - \$15M to \$20M total cost

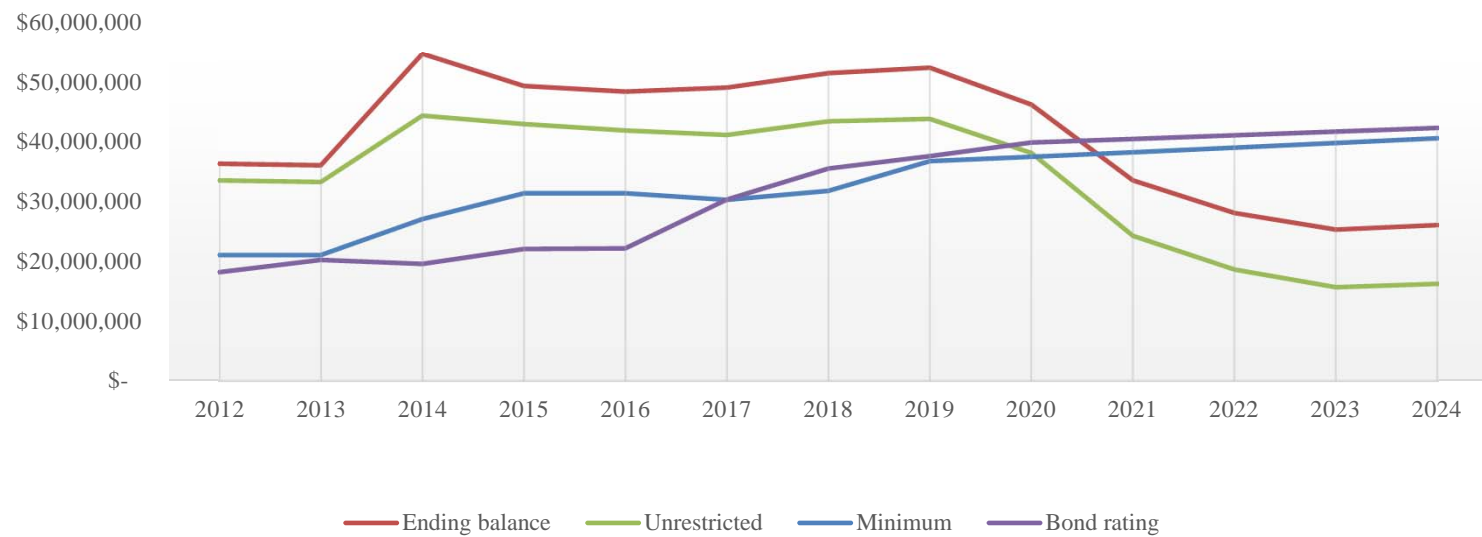




ELECTRIC DEPARTMENT - FUND 520



Electric Fund Cash Balances



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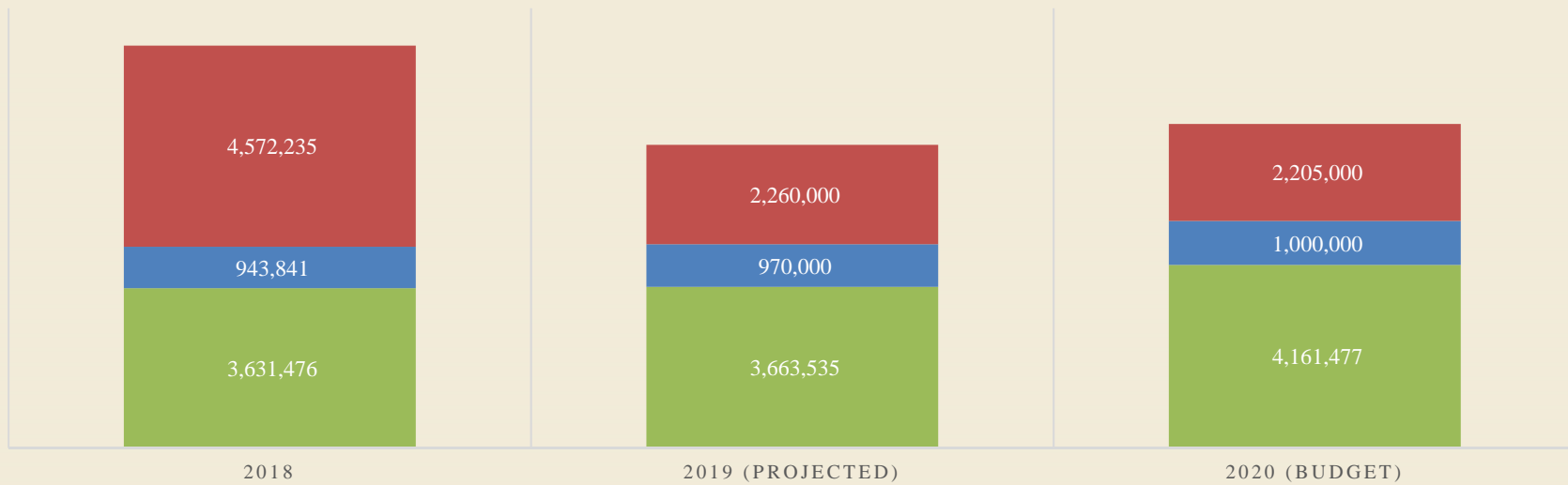
NEBRASKA

UTILITIES

WATER DEPARTMENT FUND 525

WATER DEPARTMENT - FUND 525

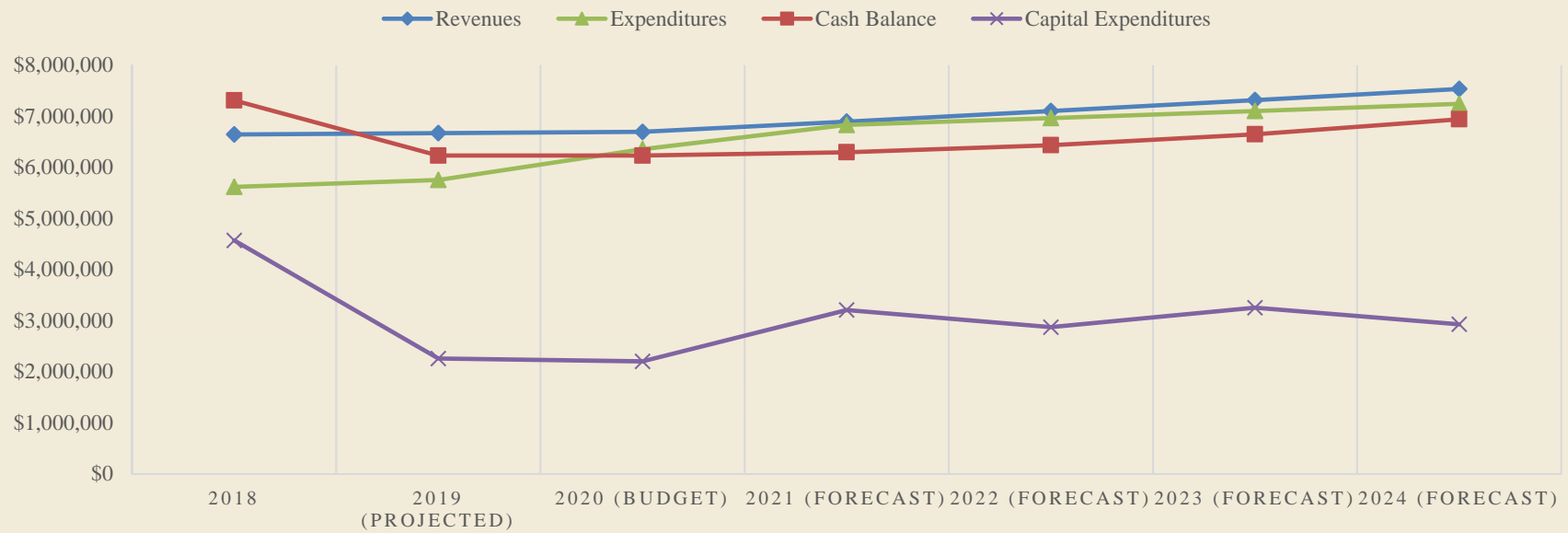
■ Admin and Operating ■ Uranium Removal Operation Expense ■ Capital Expenditures



Water Capital Improvements

- 🌊 Total Capital Budget - \$2,405,000
 - 🌊 Bond payments - \$305,000
 - 🌊 Distribution improvements- \$1,740,000
 - 🌊 Production improvements - \$360,000

WATER DEPARTMENT - FUND 525



CITY OF

Grand Island

NEBRASKA

UTILITIES

Questions?

Utilities Department
Capital Improvement Budget
Fiscal Year 2019-20

June 17, 2019
Draft #3

Electric Fund 520

	Budget FY 2018-19	Projected FY 2018-19	Line items FY 2019-20	Budget FY 2019-20	Budget FY 2020-21	Budget FY 2021-22	Budget FY 2022-23	Budget FY 2023-24
Administration								
	\$0	\$0	Administrative Capital Additions	\$0	\$0	\$0	\$0	\$0
	\$1,660,000	\$1,660,000	2012 Revenue Bond Payment	\$1,645,000	\$1,920,000	\$2,060,000	\$0	\$0
	\$1,450,000	\$1,450,000	2013 Revenue Bond Payment	\$1,580,000	\$1,425,000	\$1,425,000	\$3,635,000	\$3,820,000
	\$3,110,000	\$3,110,000	Administration Subtotal	\$3,225,000	\$3,345,000	\$3,485,000	\$3,635,000	\$3,820,000
Transmission								
	\$500,000	\$200,000	Transmission line Improvements	\$750,000	\$350,000	\$1,250,000	\$250,000	\$250,000
	\$0	\$0	Additional Substation	\$0	\$0	\$0	\$4,000,000	\$0
	\$25,000	\$25,000	Equipment & Vehicles	\$40,000	\$40,000	\$0	\$0	\$0
	\$50,000	\$180,000	PCC Improvements	\$100,000	\$0	\$0	\$0	\$0
	\$650,000	\$250,000	Substation Upgrades	\$1,000,000	\$1,000,000	\$400,000	\$100,000	\$100,000
	\$1,225,000	\$655,000	Transmission Subtotal	\$1,890,000	\$1,390,000	\$1,650,000	\$4,350,000	\$350,000
Distribution								
	\$2,000,000	\$1,800,000	Overhead Material	\$2,400,000	\$2,250,000	\$2,250,000	\$2,250,000	\$2,250,000
	\$1,500,000	\$1,500,000	Underground Material	\$1,500,000	\$1,750,000	\$1,750,000	\$1,750,000	\$1,750,000
	\$515,000	\$412,000	Equipment & Vehicles	\$400,000	\$200,000	\$320,000	\$175,000	\$295,000
	\$100,000	\$140,000	Outside Contractors	\$125,000	\$125,000	\$150,000	\$150,000	\$150,000
	\$100,000	\$50,000	Building Improvements	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
	\$10,000	\$0	Distribution Improvements	\$0	\$0	\$0	\$0	\$0
	\$4,225,000	\$3,902,000	Distribution Subtotal	\$4,525,000	\$4,425,000	\$4,570,000	\$4,425,000	\$4,545,000
Production								
	\$950,000	\$828,583	PGS Improvements	\$1,650,000	\$1,500,000	\$1,000,000	\$3,500,000	\$1,000,000
	\$0	\$0	PGS Air Quality Control	\$0	\$0	\$750,000	\$95,000	\$0
	\$35,000	\$35,000	Equipment & Vehicles	\$40,000	\$35,000	\$80,000	\$0	\$155,000
	\$500,000	\$500,000	Burdick Steam Units	\$950,000	\$3,500,000	\$0	\$0	\$0
	\$1,700,000	\$1,700,000	Burdick Gas Turbines	\$1,700,000	\$7,500,000	\$7,500,000	\$900,000	\$100,000
	\$3,185,000	\$3,063,583	Production Subtotal	\$4,340,000	\$12,535,000	\$9,330,000	\$4,495,000	\$1,255,000
Electric Total	\$11,745,000	\$10,730,583		\$13,980,000	\$21,695,000	\$19,035,000	\$16,905,000	\$9,970,000

Utilities Department
Capital Improvement Budget
Fiscal Year 2019-20

June 17, 2019
Draft #3

Water Fund 525

Budget FY 2018-19	Projected FY 2018-19	Line items FY 2019-20	Budget FY 2019-20	Budget FY 2020-21	Budget FY 2021-22	Budget FY 2022-23	Budget FY 2023-24
Administration							
\$0	\$0	Administrative Capital Additions	\$0	\$0	\$0	\$0	\$150,000
\$300,000	\$300,000	2017 Revenue Bond	\$305,000	\$310,000	\$320,000	\$325,000	\$330,000
\$300,000	\$300,000	Administration Subtotal	\$305,000	\$310,000	\$320,000	\$325,000	\$480,000
Distribution							
\$100,000	\$100,000	Water Districts	\$500,000	\$350,000	\$600,000	\$200,000	\$200,000
\$150,000	\$100,000	Equipment & Vehicles	\$45,000	\$150,000	\$35,000	\$130,000	\$150,000
\$1,475,000	\$730,000	Distribution Improvements	\$1,195,000	\$1,200,000	\$1,400,000	\$1,100,000	\$450,000
\$450,000	\$620,000	Trunk line Expansion	\$0	\$500,000	\$500,000	\$1,500,000	\$1,000,000
\$2,175,000	\$1,550,000	Distribution Subtotal	\$1,740,000	\$2,200,000	\$2,535,000	\$2,930,000	\$1,800,000
Production							
\$300,000	\$410,000	Well field Improvements	\$0	\$500,000	\$20,000	\$0	\$0
\$0	\$0	Equipment & Vehicles	\$0	\$0	\$0	\$0	\$0
\$0	\$0	Pumpstation Improvements	\$160,000	\$200,000	\$0	\$0	\$650,000
\$300,000	\$410,000	Production Subtotal	\$160,000	\$700,000	\$20,000	\$0	\$650,000
Water Total	\$2,775,000	\$2,260,000	\$2,205,000	\$3,210,000	\$2,875,000	\$3,255,000	\$2,930,000

**CAPITAL IMPROVEMENTS BUDGET
ELECTRIC DEPARTMENT
FISCAL YEAR 2019-20**

ADMINISTRATION

1. Administrative Capital Additions: \$0
2. 2012 Revenue Bond Payment: \$1,645,000
Anticipated debt service on Series 2012 Bonds.
3. 2013 Revenue Bond Payment: \$1,580,000
Anticipated debt service on Series 2013 Bonds.

TRANSMISSION

4. Transmission Line Improvements: \$750,000
\$250,000 – General Maintenance
5. Additional Substations: \$0
6. Equipment & Vehicles: \$40,000
Unit #1882, Replacement for a 2002 Ford F250
7. PCC Improvements: \$100,000
Phelps Control Center building improvements.
8. Substation Upgrades: \$1,000,000
\$1,000,000 – New spare substation transformer

DISTRIBUTION

9. Overhead Material: \$2,400,000
\$1,000,000 - This routine item includes pole-mounted transformers, conductors, poles, meters, streetlights, small tools, hardware and labor necessary for overhead electrical distribution. The budgeted amount is based on historical expenditures.
\$1,200,000 – AMI Deployment. The Utilities Department has a goal of a fully deployed AMI system by 2025. The amount of \$800,000 maintains that deployment schedule. In addition, \$150,000 is anticipated for upfront costs for Distribution Automation integration and \$250,000 for Meter Data Management.
\$200,000 – LED Streetlight Maintenance. The Utilities Department has a goal of 100% LED streetlights by 2025. The amount of \$200,000 maintains that replacement schedule.
10. Underground Materials: \$1,500,000
This is a routine item that includes the cable, pad-mounted transformers, conduit, small tools, hardware and labor necessary to supply underground electric service to new businesses and subdivisions. Cable nearing the end of its useful 30 year life is replaced from

**CAPITAL IMPROVEMENTS BUDGET
ELECTRIC DEPARTMENT
FISCAL YEAR 2019-20**

this line item. Most projects have a short lead-time, and the budgeted amount is based on the historic needs.

11. Equipment & Vehicles: \$400,000
\$120,000 – Unit #1563. Replacement for a 2002 dump truck for the tree trimming crew
\$280,000 – Unit #1649. Replacement for a 2005 knuckle crane
12. Outside Contractors: \$125,000
Contractors used for underground boring to install conduit for the Underground Department
13. Distribution Building Improvements: \$100,000
14. Distribution Improvements: \$0
Engineering computers and automated mapping.

PRODUCTION

15. PGS Improvements: \$1,650,000
\$750,000 – Valve Overhaul
\$700,000 – Boiler Maintenance
\$200,000 – Bunker Inspection
16. PGS Air Quality Control: \$0
17. Equipment & Vehicles: \$40,000
Unit #1200 Replacement
18. Burdick Steam Units: \$950,000
\$200,000 – Hazardous Material Cleanup
\$750,000 – Engineering – Demo/GT1 Replacements
19. Burdick Gas Turbines: \$1,700,000
\$1,200,000 – Control/Maintenance Building
\$500,000 – Demineralized Water Storage

**CAPITAL IMPROVEMENTS BUDGET
WATER DEPARTMENT
FISCAL YEAR 2019-20**

ADMINISTRATION

1. Administrative Capital Additions: \$0
2. 2017 Revenue Bond Payment: \$305,000
Anticipated debt service on Series 2017 Bonds.

DISTRIBUTION

3. Water Main Districts: \$500,000
This item includes unplanned extensions of water mains into new subdivisions and developments and inspection of private water mains/services. Compliance with Federal regulations, annexation, and aquifer contamination will continue to produce additional requests for water main extensions.
4. Equipment & Vehicles: \$45,000
Skid Steer
5. Distribution Improvements: \$1,195,000
\$100,000 - Lincoln & Delta – Extension to the North
\$600,000 – State Street – Webb to Hancock
\$100,000 - Ludlow Fire Hydrant Replacement
\$220,000 – Greenwich St (Fonner Park to Phoenix)
\$75,000 – Koenig & Grant (Water/Sewer Conflict)
\$50,000 – Pleasantview & Phoenix (Water/Sewer Conflict)
\$50,000 – Pleasantview & Delaware (Water/Sewer Conflict)
6. Trunk Line Expansion: \$0

PRODUCTION

7. Well Field Improvements: \$0
8. Equipment & Vehicles: \$0
9. Pumping Station Improvements: \$160,000
Redundant Power Source to Burdick Pump Station



City of Grand Island

Tuesday, July 16, 2019

Study Session

Item -3

Review Solid Waste Budget for FY 2019/2020

Staff Contact: John Collins

Solid Waste Division FY 2020 Budget



Landfill on Husker Hwy @
Hall / Buffalo County Line



Enterprise Fund

- Receive no funding from General Fund
- All revenues generated from tipping fees
- One of the few divisions with competition
- Serves residents and non-residents



Landfill Site Life

- 20 years life left in current area (Cells 1, 2, & 3)
- Approximately 28 years life left in total Phase 1 area



Notable Items from FY 2019

Continued routine capital replacement schedule

Transfer Station

Setco solid rubber tires
for the loader

Landfill

Caterpillar D8T waste
handler dozer



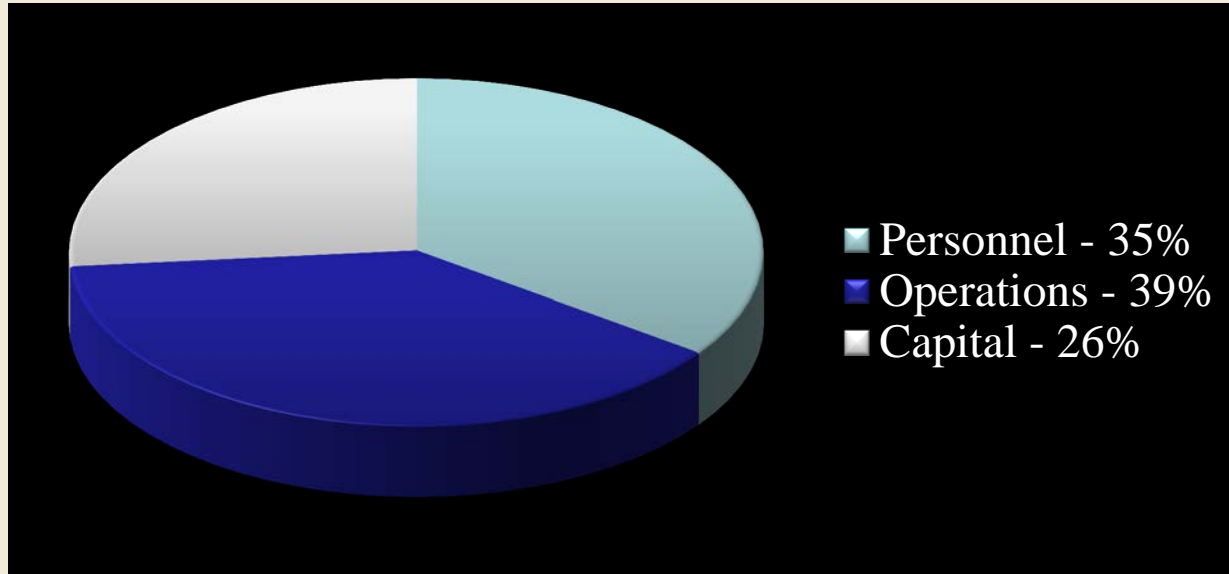
Notable Items from FY 2019

- 🚧 Landfill Cell 3 Construction project completed
 - 🚧 14 acres of liner and leachate collection system
 - 🚧 Approximately 20 years of additional site life
- 🚧 Transfer Station operations and facility improvement study progressing
 - 🚧 Modify operations and facilities to better handle current and future customer traffic/tonnage
 - 🚧 Will be beneficial to customers and staff



FY 2020 Budget

Personnel	= \$1,065,180
Operations	= \$1,176,575
Capital	= \$807,000



FY 2020 Budget Capital Expenditures

- Landfill GPS software and machine display (\$70,000)
- Used dozer for landfill for use as back-up machine and other dirt work (\$275,000)
- Replacement of transfer station wheel loader (\$150,000), truck-tractor (\$110,000), and transfer trailer (\$70,000)
- Transfer station and landfill concrete replacement



Highlights of FY 2020 Budget

☛ Rate increase proposed for FY 2020

☛ 10% increase at transfer station, 4% increase at landfill

<u>Location</u>	<u>Transfer Station Rate Per Ton</u>	<u>Landfill Rate Per Ton</u>
Grand Island	\$43.71 (uncompacted) \$35.18 (compacted)	\$34.76 (uncompacted) \$30.63 (compacted)
Columbus	\$65.00	
Norfolk	\$65.00	
Gering	\$67.32	
York		\$49.50
Holdrege		\$36.50
Hastings		\$39.50
Lincoln		\$36.50

Questions?





City of Grand Island

Tuesday, July 16, 2019

Study Session

Item -4

Review Capital Improvement Projects for FY 2019/2020

Staff Contact: John Collins, P.E. - Public Works Director

210 Capital Improvement Program Preliminary 10 Year Plan

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Eddy Underpass Rehab	\$ 103,000	\$ 636,540									
Custer Ave; Forrest St to Old Potash Hwy	\$ 77,250	\$ 530,450									
Webb Road Paving Assessment	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000						
5 Points Intersection Improvements	\$ 102,000	\$ 800,000									
Annual Curb Ramp Installation	\$ 154,500	\$ 159,135	\$ 163,909	\$ 168,826	\$ 463,710	\$ 477,621	\$ 491,950	\$ 506,708	\$ 521,909	\$ 537,567	\$ 553,694
Pavement Condition Survey			\$ 163,909			\$ 179,108			\$ 195,716		
Highway 2 Resurfacing			\$ 198,000								
Highway 30 Bridges			\$ 227,000								
Broadwell Ave Grade Separation			\$ 546,364	\$ 562,754						\$ 2,000,000	\$ 2,000,000
Highway 34/281 Overlay				\$ 900,407							
Highway 30 Realignment				\$ 1,000,000							
Locust St Reconstruction; Koenig St to Fonner Park Road				\$ 450,204	\$ 2,898,185	\$ 2,985,131					
Stolley Park Rd; State Fair Entrance to Stuhr Road				\$ 393,928	\$ 1,738,911	\$ 835,837					
Independence Ave; Capital Ave to Manchester/Macron					\$ 463,710	\$ 1,343,309	\$ 1,383,608				
Old Potash Highway/ North Road Bond Payment					\$ 1,600,000	\$ 1,600,000	\$ 1,600,000	\$ 1,600,000	\$ 1,600,000	\$ 1,600,000	\$ 1,600,000
Brookline St Paving						\$ 29,851	\$ 184,481				
State St; Lafayette Ave to Broadwell Ave							\$ 368,962	\$ 2,280,186			
Highway 281 Corridor Study; Diers Ave to Webb Rd							\$ 491,950				
Webb Rd; Old Potash Highway to Union Pacific Railroad Crossing								\$ 633,385	\$ 3,914,320	\$ 4,031,749	
Non-Regional Projects							\$ 614,937	\$ 506,708	\$ 521,909		\$ 553,694
	\$ 566,750	\$ 2,256,125	\$ 1,429,182	\$ 3,606,119	\$ 7,294,516	\$ 7,450,856	\$ 5,135,887	\$ 5,526,987	\$ 6,753,854	\$ 8,169,316	\$ 4,707,387

Capital Projects 2019/2020



2019 Projects

- ☛ Pavement Condition Survey
- ☛ Five Points Intersection Improvements
- ☛ 13th Street Improvements
- ☛ Annual Curb Ramp Installation
- ☛ South Front Street Bridge Replacement & Sycamore St Underpass Rehabilitation
- ☛ Webb Road Paving Assessments (City share)
- ☛ Stolley Park Rd Restriping/Rehabilitation
- ☛ Old Potash Highway; North Road to E of Webb Road
- ☛ Broadwell Avenue/UPRR Grade Separation
- ☛ US Highway 281 Lighting (Stolley Park Rd to US Highway 30 overpass)
- ☛ Traffic Services Evaluation- Various Locations
- ☛ US Highway 281 Signal Timing
- ☛ North Road; 13th Street to Highway 2
- ☛ North Road; Old Potash Highway to 13th Street
- ☛ Northwest Flood Control Project
- ☛ North Broadwell Avenue Drainage
- ☛ Sugar Beet Ditch Drainage
- ☛ Kaufman Detention Cell Outlet
- ☛ Moores Creek Drain Extension
- ☛ William Street Realignment

2019 Capital Improvement Projects

Funded by Gas Tax Money

	2019 Budget	2019 Forecast
Pavement Condition Survey	\$ 150,000	\$ 168,471
13 th Street Improvements	\$ 1,317,299	\$ 1,325,511
2019 Annual Curb Ramp Installation	\$ 150,000	\$ 160,000
South Front Street Bridge Replacement & Sycamore Underpass Rehab	\$ 2,200,000	\$ 1,839,000
Webb Road Paving Assessments (City share)	\$ 130,001	\$ 119,687
Stolley Park Road Reconfiguration & Rehabilitation	\$ 0	\$ 8,431
Five Points Intersection Improvements	\$ 170,000	\$ 100,000
Old Potash Highway: North Road to East of Webb Road	\$ 643,000	\$ 1,275,000
William Street	\$ 155,000	\$ 158,026
Broadwell Avenue/UPRR Grade Separation	\$ 125,000	\$ 120,000
US Highway 281 Lighting (Stolley Park Rd to US Highway 30 overpass)	\$ 95,000	\$ 95,000
Traffic Services Evaluation - Various Locations	\$ 100,000	\$ 55,286
US Highway 281 Corridor Signal Timing	\$ 0	\$ 77,574
North Road; 13 th Street to Highway 2	\$ 0	\$ 690,000
North Road: Old Potash Highway to 13 th Street	\$ 0	\$ 96,524
TOTAL	\$ 5,235,300	\$ 6,288,510

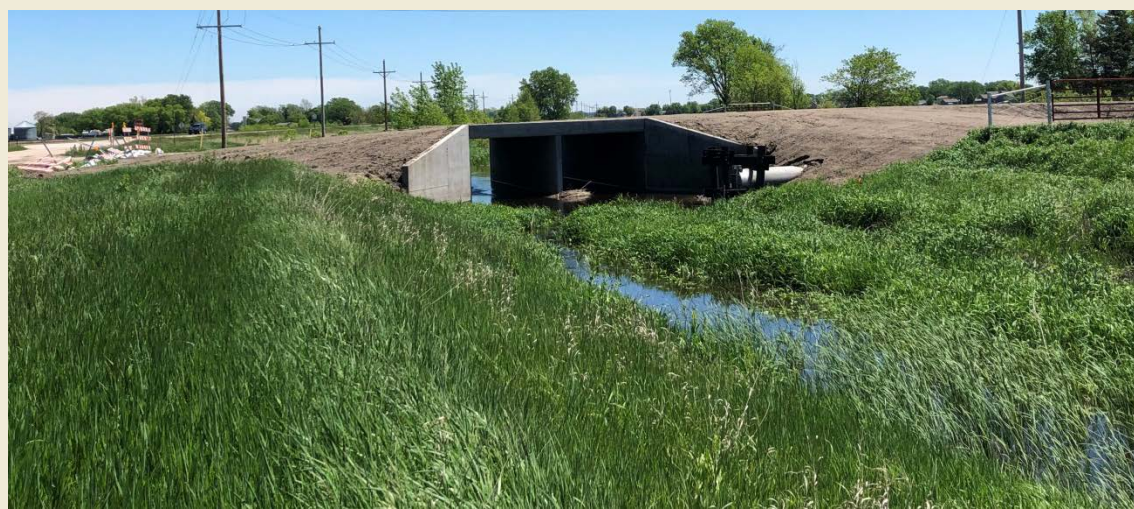
2019 Capital Improvement Projects

Funded by General Fund & Special Assessments

	2019 Budget	2019 Forecast
Northwest Flood Control Project	\$ 641,355	\$ 563,000
North Broadwell Avenue Drainage	\$ 200,000	\$ 247,981
Sugar Beet Ditch Drainage	\$ 200,000	\$ 97,319
Kaufman Detention Cell Outlet	\$ 500,000	\$ 350,000
Moores Creek Drain Extension	\$ 0	\$ 415,000
TOTAL	\$ 1,541,355	\$ 1,673,300

Summary of Capital Improvement Projects

	2019 Budget	2019 Forecast
Funded by Gas Tax Money	\$ 5,235,300	\$ 6,288,510
Funded by General Fund & Special Assessments	\$ 1,541,355	\$ 1,673,300
TOTAL CAPITAL REQUESTS	\$ 6,776,655	\$ 7,961,810



Proposed Capital Projects for 2019/2020

- Old Potash Highway; North Road to E of Webb Road
- Annual Curb Ramp Installation
- Broadwell Avenue/UPRR Grade Separation
- North Road: 13th Street to Highway 2
- North Road: Old Potash Highway to 13th Street
- North Road: US Highway 30 to Old Potash Highway
- Five Points Intersection Improvements
- South Front St Bridge Replacement & Sycamore St Underpass Rehab
- Capital Avenue; Moores Creek to North Road
- Custer Avenue: Forrest Street to Old Potash Highway
- Eddy Street Underpass Rehabilitation
- Webb Road Paving Assessments (City share)
- Kaufman Detention Cell Outlet
- Storm Sewer Mapping
- North Moores Creek 80 Wetland Detention Design

Old Potash Highway, North Road to Webb Rd

\$2,365,000

- The interaction between the various traffic features is complex, prompting the creation of a master plan for the corridor to ensure that the individual street and intersection projects will function together
- Widening and reconfiguring Old Potash Highway, signal and geometric improvements at each intersection, and increased connectivity to roadway network
- Anticipated expenditures will include design engineering and property acquisition



Annual Curb Ramp Installation

\$154,500

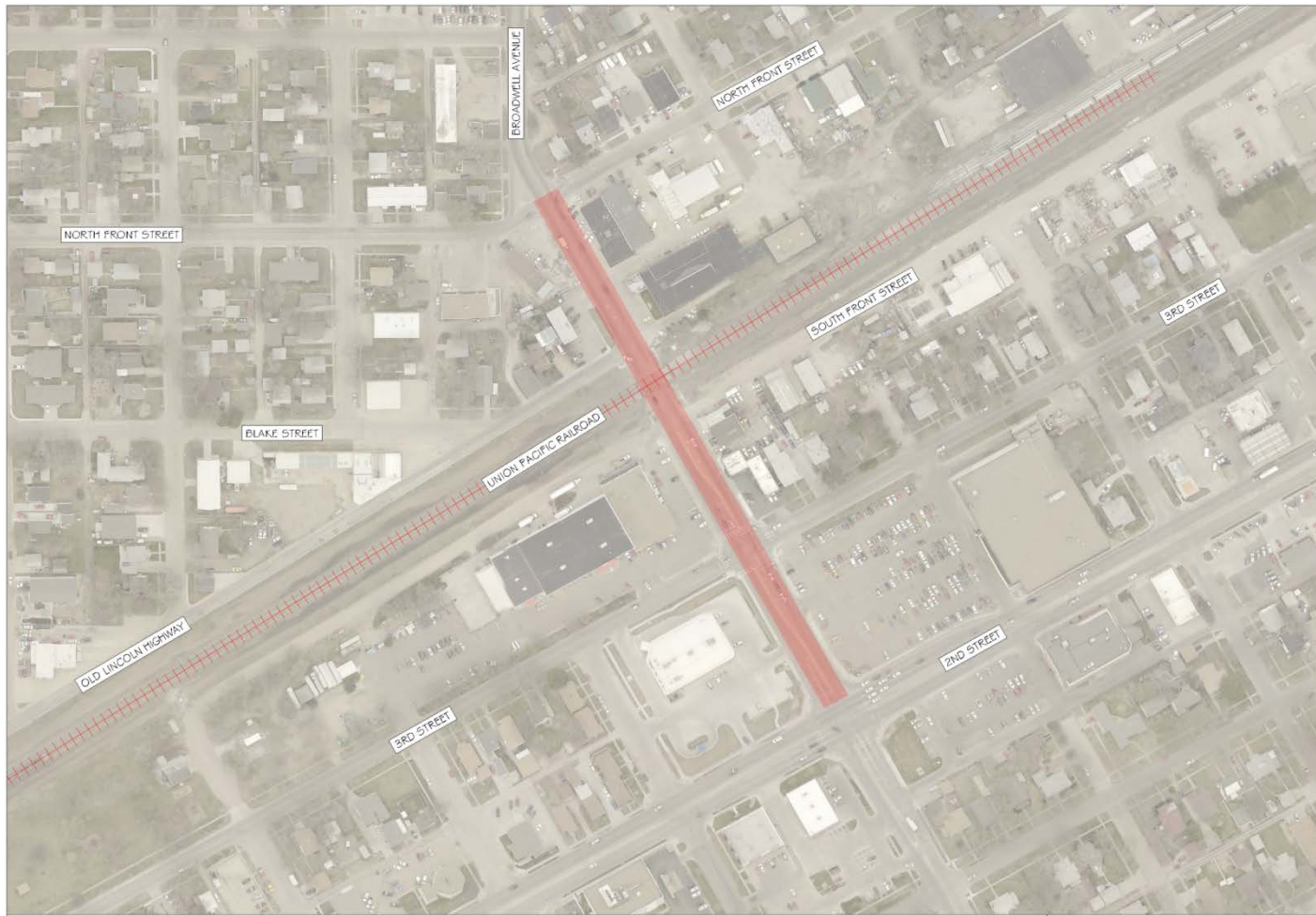
Required by the Federal American Disabilities Act (ADA) Regulations – installation program follows the previous year's asphalt program and other priority corridors. Additional locations are added as funds allow.



Broadwell/UPRR Grade Separation Feasibility Study \$410,000

- Required report to become eligible for NDOT Rail Safety funds (90% of project cost)
- Assess potential solutions to vehicle traffic conflicts with railroad crossing
- Anticipate 10 year process to acquire funds





UNION PACIFIC RAILROAD & BRODWELL AVENUE GRADE SEPARATION FEASIBILITY STUDY

2018 - 2019 CAPITAL IMPROVEMENT PROJECTS

North Road, 13th Street to Highway 2

\$3,654,397

- Improvements from the intersection of 13th Street and North Road to the intersection of Highway 2 and North Road
 - Capital Avenue to Hwy 2- Construction 2020
 - 13th Street to Capital Avenue- Design 2020
- Concrete curb and gutter roadway section with associated sidewalk, traffic control, drainage and other associated improvements

North Road, Old Potash Highway to 13th Street

\$100,000

- Improvements from the intersection of Old Potash Highway and North Road to the intersection of 13th Street and North Road
- Concrete curb and gutter section with associated sidewalk, traffic control, drainage and other associated improvements
- Final design 2020

North Road, US Highway 30 to Old Potash Highway

\$90,000

- Improvements from the intersection of US Highway 30 and North Road to the intersection of Old Potash Highway and North Road
- Concrete curb and gutter section with associated sidewalk, traffic control, drainage and other associated improvements
- Preliminary design 2020

Five Points Intersection Improvements

\$102,000

(Total Project Cost = \$2,676,375)

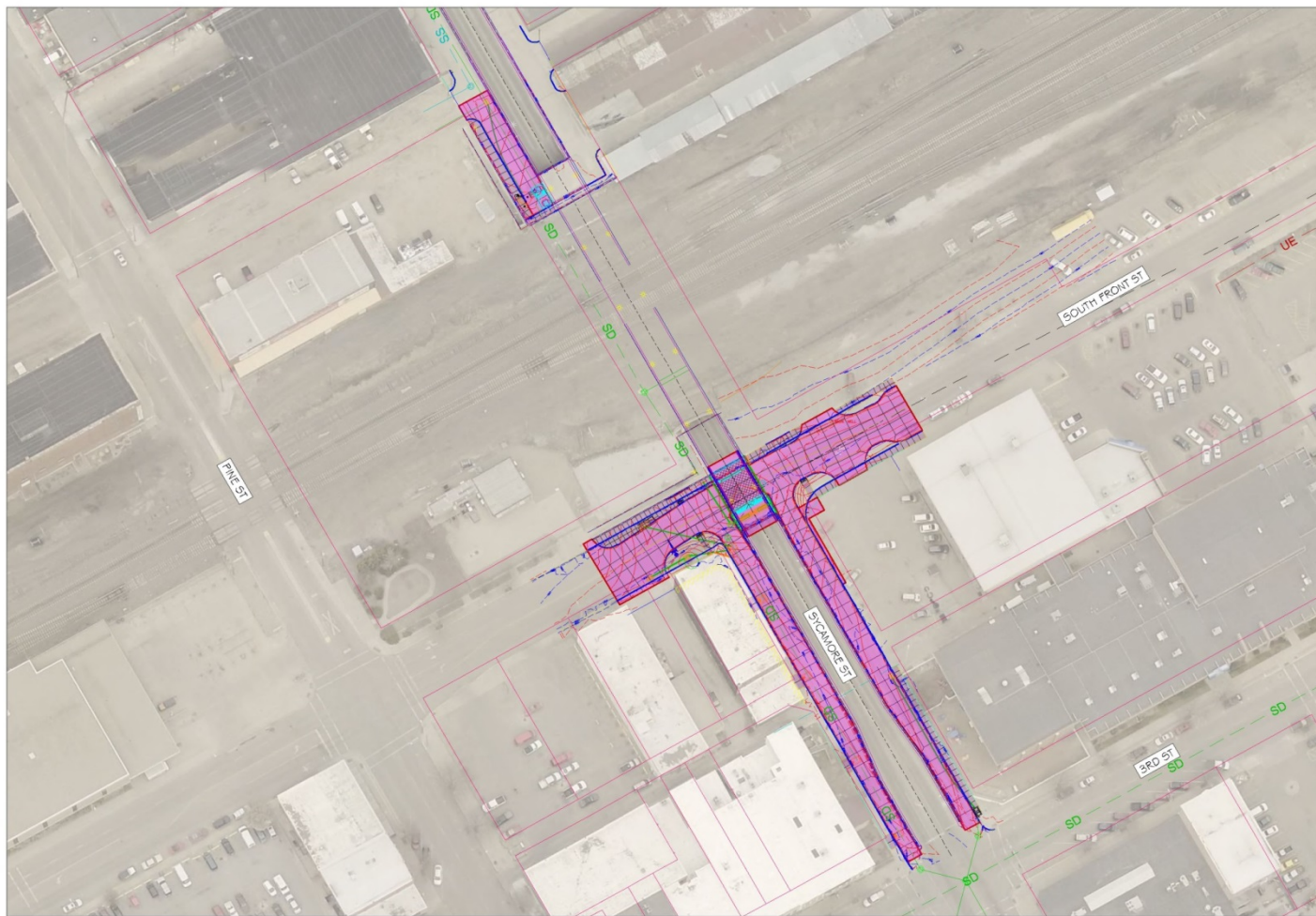
- 80% Federally funded safety project through Nebraska Department of Transportation (NDOT)
- Right size the lane configuration to optimize safety and efficiency, and meet the Federal Highway Administration (FHWA) safety program requirements
- Public comment scheduled for July 2019



South Front St Bridge Replacement & Sycamore St Underpass Rehab \$170,000

- Replace bridge deck, two (2) abutment walls, patch and seal retaining walls, improve drainage, and reconstruct pump station
- Construction anticipated to be complete September 2019





2017-U-1 SYCAMORE STREET UNDERPASS

2018 - 2019 CAPITAL IMPROVEMENT PROJECTS

Capital Avenue, Moores Creek to North Road

\$90,000

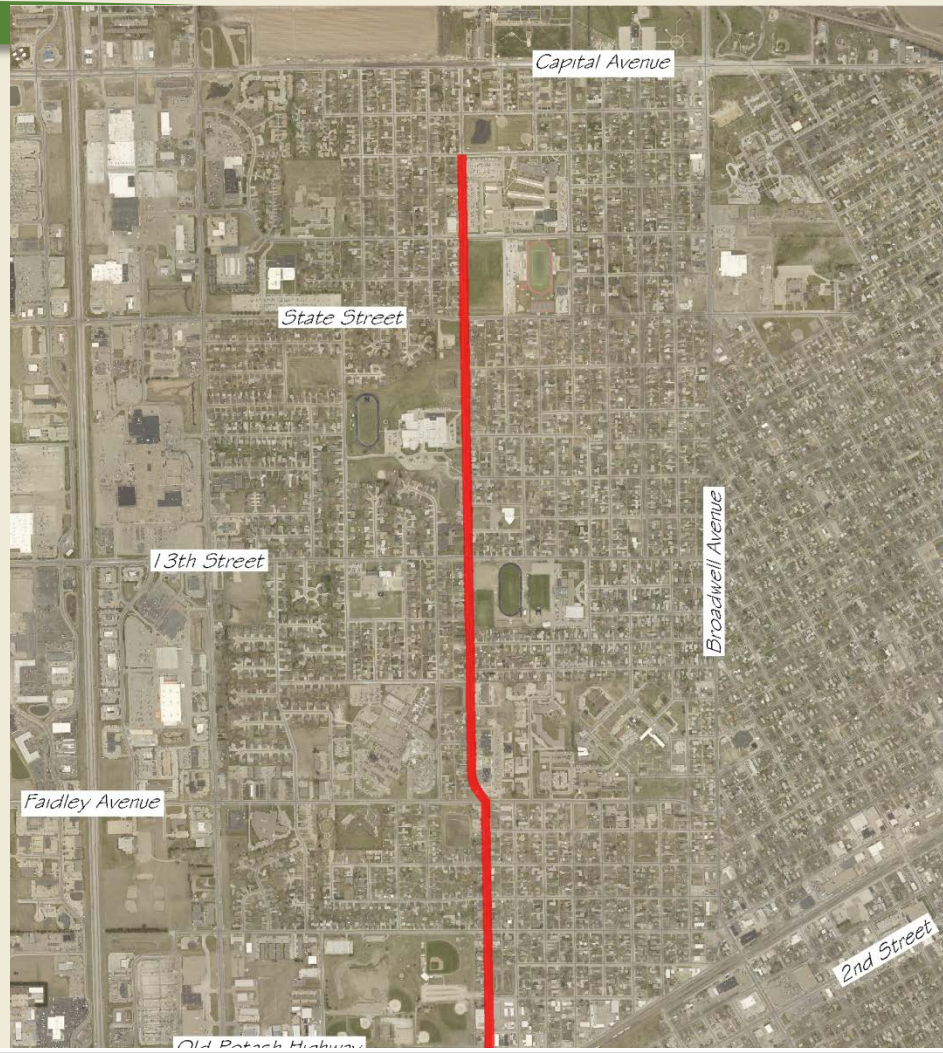
- Improvements from the Moores Creek Drainway at Capital Avenue to the intersection of North Road and Capital Avenue - continuation of the Capital Avenue widening
- Concrete curb and gutter section with associated sidewalk, traffic control, drainage and other associated improvements
- Preliminary design 2020



Custer Avenue, Forrest Street to Old Potash Highway

\$77,250

- This project will consider alternatives for driving lanes improvements/rehabilitation
- Full concrete replacement or asphalt overlay of driving lanes as well as other alternatives will be considered
- Engineering 2020, Construction 2021



Eddy Street Underpass Rehabilitation

\$103,000

- Evaluate condition of concrete structure and bridges to develop plan to complete maintenance on this structure
- Preventative concrete patching, wall surface treatments, bird netting and other items will be addressed
- Engineering 2020, Construction 2021 (anticipate lane closures, but not full closure)



Webb Road Paving Assessment (City share) \$120,000

- ☛ The City portion of the Webb Road paving improvements under District No. 1260 were set at \$803,896.74
- ☛ Installments are set to be paid over the ten (10) year timeframe set by the Board of Equalization – 2019 is payment year four (4)

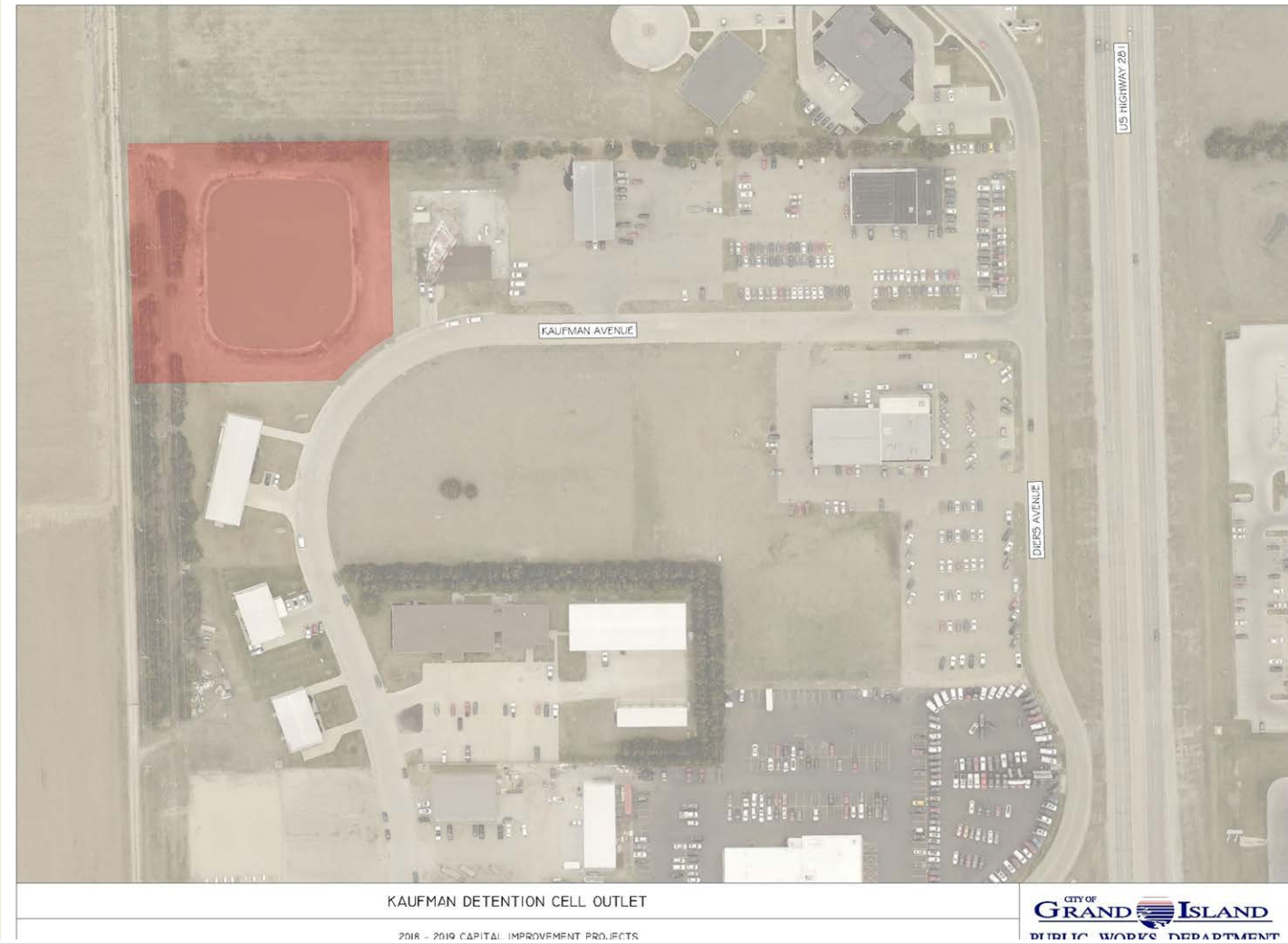


Kaufman Detention Cell Outlet

\$450,000

- Drainage in connection with Old Potash Highway improvements
- Additional impermeable surface due to development in area has increased the need for detention and drainage
- Reduce standing water





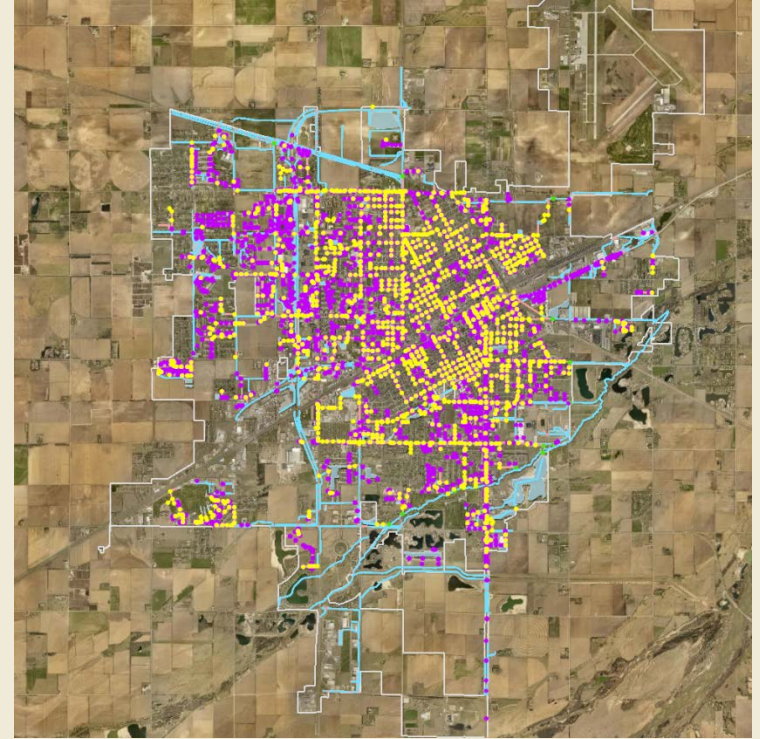
KAUFMAN DETENTION CELL OUTLET

2018 - 2019 CAPITAL IMPROVEMENT PROJECTS

Storm Sewer Mapping

\$500,000

- Continue mapping of existing storm sewer infrastructure
- This will allow for future drainage performance evaluation as well as allow asset management for the system to be developed



North Moores Creek 80 Wetland Detention Design

\$200,000

- Begin evaluation of using site for a city owned wetland bank
- This will allow future wetland impacts due to improvement projects to be offset
- It is anticipated this will double as a detention cell to allow additional water storage on the north end of town
- Aid in moving drainage north through town more efficiently



North Front Street at Webb Road

- Streets Project; not CIP
- Smooth transition to intersection
- Delayed through Winter and Old Potash Traffic Count
- Scheduled to start shortly



2020 Capital Improvement Projects

Funded with Gas Tax Money

	2020 Budget
Old Potash Highway; North Road to E of Webb Road	\$ 2,365,000
Annual Curb Ramp Installation	\$ 154,500
Broadwell Avenue/ UPRR Grade Separation	\$ 410,000
North Road; 13 th Street to Highway 2	\$ 3,654,697
North Road; Old Potash Highway to 13 th Street	\$ 100,000
North Road; US Highway 30 to Old Potash Highway	\$ 90,000
Five Points Intersection Improvements	\$ 102,000
South Front St Bridge Replacement & Sycamore St Underpass Rehabilitation	\$ 170,000
Capital Avenue; Moores Creek to North Road	\$ 90,000
Custer Avenue; Forrest Street to Old Potash Highway	\$ 77,250
Eddy Street Underpass Rehabilitation	\$ 103,000
Webb Road Paving Assessments (City share)	\$ 120,000
TOTAL	\$ 7,436,447

2020 Capital Improvement Projects Funded by Other Revenue

	2020 Budget
Kaufman Detention Cell Outlet	\$ 450,000
Storm Sewer Mapping	\$ 500,000
North Moores Creek 80 Wetland Detention Design	\$ 200,000
TOTAL	\$ 1,150,000



2020 Capital Improvement Budget Summary

	2020 Budget
Funded by Gas Tax Money (Streets)	\$ 2,646,388
Funded by 2018 Sales Tax (Streets)	\$4,790,059
Funded by Other Revenue (Drainage)	\$ 1,150,000
TOTAL CAPITAL REQUESTS	<u>\$ 8,586,447</u>

- *\$154,500 of capital dollars is mandated*
- *\$512,000 of capital dollars is funding Federal Aid projects*

2020 Funding Sources- 210 Fund

Balance Forward	\$ 1,972,599
State Gas Tax Fund	\$ 5,417,759
NDOT Buy Backs	\$ 937,841
½ Cent Sales Tax	\$ 4,790,059
Other Revenue	\$ 2,551,212
Transfer In	\$ 500,000

Total available funding	\$ 16,169,470
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210 Fund Capital Projects	\$ 2,646,388
208 Fund Capital Projects	\$ 4,790,059
210 Streets Operating & Maintenance	\$ 4,435,424
210 Streets Non-Capital Projects	\$ 1,725,000
410 Fund Transfer- Streets Equipment	\$ 600,000

Total Expenses	\$ 14,196,871
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<i>Ending Cash Balance in 210 Funds</i>	<i>\$ 1,972,599</i>
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2020 Future Project Expenses

<i>Project</i>	<i>2021</i>	<i>2022</i>	<i>2023</i>	<i>2024</i>
Annual Curb Ramp Installation	\$ 159,135	\$ 163,909	\$ 168,826	\$ 463,710
Broadwell Avenue/ UPRR Grade Separation		\$ 546,364	\$ 562,754	
North Road; 13 th Street to Highway 2	\$3,505,303	\$2,854,000		
North Road; Old Potash Highway to 13 th Street	\$630,000	\$3,538,000	\$1,800,000	
North Road; US Highway 30 to Old Potash Highway		\$ 150,000	\$2,650,000	
Five Points Intersection Improvements	\$ 800,000			
Old Potash Highway; North Road to E of Webb Road	\$8,887,500	\$4,775,000		
Webb Road Paving Assessments (City share)	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000
Capital Avenue; Moores Creek to North Road		\$ 150,000	\$2,100,000	
Custer Avenue; Forrest Street to Old Potash Highway	\$ 530,450			
Eddy Street Underpass Rehabilitation	\$ 636,540			
TOTALS	\$15,268,928	\$12,297,273	\$7,401,580	\$ 583,710



City of Grand Island

Tuesday, July 16, 2019

Study Session

Item -5

Review FTE Requests for FY 2019/2020

Staff Contact: Patrick Brown

Council Agenda Memo

From: Patrick Brown, Finance Director

Meeting: July 16, 2019

Subject: Proposed 2020 FTE Changes

Presenter(s): Patrick Brown, Finance Director

Discussion

FTE Requests:

City Clerk – Add Deputy City Clerk/Media Relations to the City Clerk Department (1.0 FTE).

- This position will help with the duties of the City Clerk, front counter and media relations. The media relations was part of the Public Information Officer duties which is being eliminated. This would be part of the reorganization of Administration and would decrease the financial impact on the General Fund by \$11,091.

Library – Add three part-time employees (1.5 FTE's)

- Since 2010, library staffing has decreased from 27.348 FTE down to 23.5 FTE due to budget decreases. At one time, the library requested 1.5 more FTE and that request was approved. However, subsequent budget decreases brought the library back down to 23.5 FTE and has remained that way since. In this past decade, the library's hours of service have decreased from 70 to the current 62 per week and the library's outreach-vehicle based services inside Grand Island were eliminated.
- The requested restoration of 1.5 FTE will bring back at least 3 hours of service per week depending on model chosen, and will restore Grand Island neighborhood, care center and community activity library outreach activities that were curtailed in 2010. Recent work with Grow Grand Island and transportation studies has demonstrated this community's need for neighborhood library services. With only one library facility, there are many parts of this community that are not adequately served with essential literacy and learning resources and programs offered by the library. Obtaining an outreach vehicle through donations and securing staffing for this service will rectify this decade-old problem and help the library and community realize its GILIBRARY 2020 goals.

- These proposed FTE's would impact the General Fund \$47,702 for fiscal year 2020.

Public Information Office – Moving the Audio/Visual Technician from General Fund to Information Technology (Internal Service Fund).

- This move will create a back-up for the current A/V Technician. At this time there is no back-up.
- This move takes an FTE out of General Fund and will be a shared cost spread out over several funds. This move would shift most of the \$84,798 out of the General Fund.

Building – Add 0.40 FTE to existing position (moving from 0.35 FTE to 0.75 FTE)

- The Building Department needs to increase the part-time position to provide service for permit counter, inspection scheduling and plan processing to continue timely service for permits, inspections, documentations and request for services from the construction industry and public.
- The additional 0.40 FTE would impact the General Fund by \$15,237.

Police – Add (3) Lieutenants and subtract (1) Captain and (2) Sergeants (net zero FTE change but would impact the General Fund by \$7,070)

- Discussion of this reorganization was on July 9, 2019 Council Meeting.

Fire – Add (6) FTE's for a third advance life support ambulance.

- Fire Administration requests City Council approval to add six FTEs (three firefighter/EMTs and three firefighter/paramedics). The requested FTEs would allow for the staffing of a third advance life support (ALS) ambulance on a daily basis.
- Over the last several years, fire administration has expressed concerns related to the increasing number of emergency medical calls answered by the Grand Island Fire Department (GIFD) as well as the rise in the number of recalls. Current and previous councilmembers acknowledged these concerns but were hesitate to add FTEs due to the associated cost and the difficult task of balancing the budget.
- A revenue stream has been identified that has the potential to offset most of the associated cost of the additional FTEs. The revenue stream is possible due to a time-sensitive opportunity that involves partnering with St. Francis Medical Center (SFMC) for the GIFD to provide local and long distant ambulance transport service for SFMC patients.
- The cost of adding six FTEs is approximately \$460,000 (step 1) to \$607,929 (step 9). Estimated transport revenue is approximately \$364,000 to \$682,000. If we used the lowest cost and revenue figures from above, it would impact the General Fund by \$96,000 for fiscal year 2020.

Parks

- **Cemetery** – Add 0.50 Seasonal FTE. This position is for the Veteran’s Cemetery and would be funded through farm income from the Veteran’s property – The FTE change would impact the General Fund by \$13,500 but offset by the farm income.
- **Heartland Public Shooting Park/Fieldhouse** – Add 0.25 Customer Service Representative (increasing existing CSR from 0.75 to 1.0). This person would help out at the fieldhouse during the winter months. The General Fund impact would be \$24,523 for fiscal year 2020
- **Greenhouse** – Add (3) seasonal workers for 0.80 FTE. Seasonal workers will assist the City Horticulturist and the Friends of the Parks complete desired projects. The Friends of the Parks is requesting the help to support their efforts. The General Fund impact would be \$18,000 for the fiscal year 2020.

Total General Fund impact with all proposed FTE’s including the revenue from the ambulance service and farm would be \$128,704 for the fiscal year 2020.