



City of Grand Island

Thursday, August 14, 2014

Special Meeting

Item -3

2014-2015 Wastewater Proposed Budget









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

2015 Wastewater Budget








Funding Sources








Operating Revenue

 Sewer Assessments	\$ 47,000
 Sewer Tap Fees	\$ 5,000
 Sewer Revenue	\$10,065,000
 Sewer Assessment Interest	\$ 5,000
 Co-Pay Health Insurance	\$ 55,304
 Interest & Dividend Revenue	\$ 11,476
 State Revolving Fund	\$16,734,547
 Other Revenue	<u>\$ 175,000</u>
Total:	\$27,098,327

Expenditures

 Staff	\$ 2,636,318
 Operating	\$ 3,402,944
 Debt Service	\$ 2,370,139
 Capital	<u>\$24,669,515</u>
 Total	\$33,078,916

2015 Overview

 Operating Cash Balance	\$ 4,249,671
 Restricted Cash Balance	\$ 3,312,187
 Bond Funds Cash Balance	<u>\$ 8,500,000</u>
 Total Beginning Cash Balance	\$16,061,858
 Revenue	\$27,098,327
 Expenditures	<u>\$33,078,916</u>
 Ending Cash Balance:	\$10,081,269

Ending Cash contains \$3.3 million of restricted cash for bond reserve requirements

Wastewater Treatment Plant Capacity

The Grand Island Wastewater Treatment Plant (WWTP) is operating at less than ½ of its organic capacity

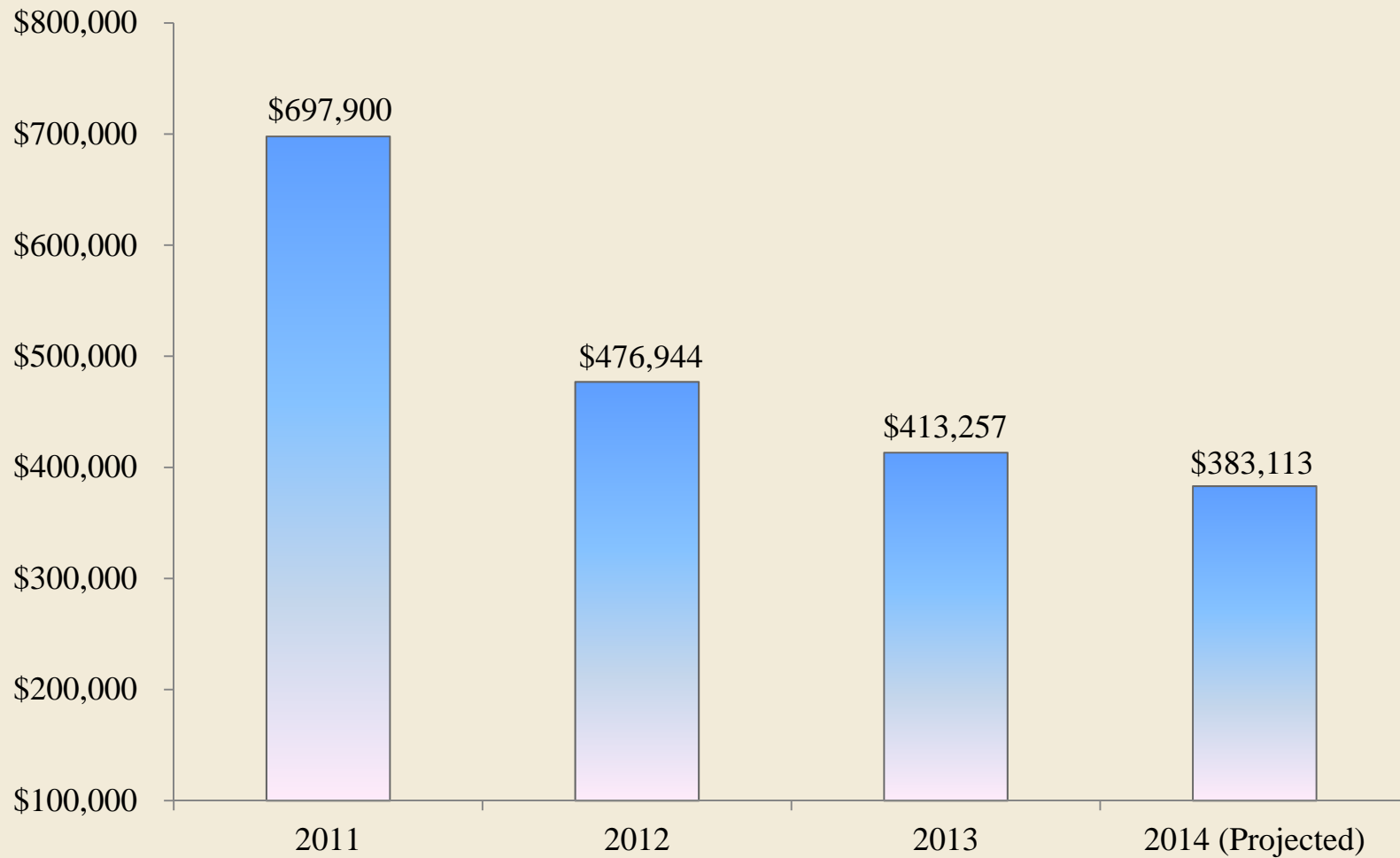
- The residential population of Grand Island could potentially double before the GIWWTP would run out of organic capacity
- Plenty of organic capacity for commercial/industrial growth

We are modeling the WWTP (using resources in house) to see how it reacts to new loadings

2015 Projected Operations & Maintenance Savings

- 2015 WWTP Utility Service (Electricity) \$490,000; 4% lower than FY 2014 and 28% lower than FY 2013.
- 2015 Contract Services, Diesel Fuel, Other General Supplies (Sludge Disposal) \$210,000; 4.8% lower than FY 2014 and 50% lower than FY 2013

Yearly Electrical Billing Calendar Year (\$)



2014/2015 Capital Projects

- 🌊 Headworks – (\$21,500,000) – replacement of Influent Pumps, Mechanically Cleaned Bar Screen and Grit Facility installed in 1965. Designed to hydraulically handle projected growth through 2062
- 🌊 Project is on schedule, may be done early and is below budget

Headworks



2014/2015 Capital Projects

- North Interceptor Phase 1 (WWTP to Sky Park Road and 7th Street) (\$10,600,000) – address the infrastructure to replace the “F” rated piping; Designed to accommodate projected growth through the Year 2062
- Project is complete.

2014/2015/2016 Capital Projects

North Interceptor Phase 2

- 🌐 North Interceptor Phase 2 – (\$19,200,000) – 7th and Skypark to 281 and Capital; Designed to accommodate projected growth through the Year 2062
- 🌐 North Interceptor Phase 2b (Broadwell to Webb) To be completed in conjunction with Capital Avenue widening

**CAPITAL AVENUE
 SANITARY SEWER INTERCEPTOR ROUTING**

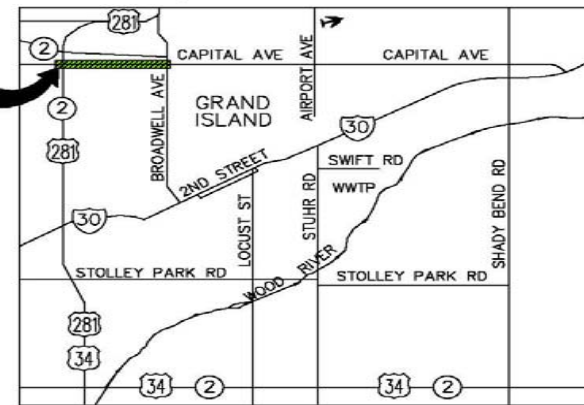


— DIERS AVENUE
 — US HWY 281
 — WEBB ROAD
 — CUSTER AVENUE
 — BROADWELL AVENUE

- PHASING 2A
 - PHASING 2B
 - PHASING 2C
- LEGEND**



PROJECT LOCATION



LOCATION MAP
 NTS

2014/2015/2016 Capital Projects

- US Highway 281 Sewer Assessment District [\$2,132,230] (SRF)– extension of sanitary sewer south along US Highway 281 to Interstate 80
- Wildwood Subdivision [\$1,872,600] (SRF) – provide sanitary sewer service to this subdivision
- Husker Highway[\$2,946,250] (SRF)– Sanitary sewer service to the Fairway Crossings at Indianhead Golf Club First Subdivision

Chlorides

- The NDEQ (Nebraska Department of Environmental Quality) is adding chloride limits to our NPDES (National Pollutant Discharge Elimination System) Permit
- Our WWTP was not designed to remove chloride and it is not cost effective for us to remove it
- JBS estimates it will cost them \$4,500,000 - \$5,000,000 to install equipment to remove chloride from their discharge

Wastewater Awards

- The City of Grand Island received a Certificate of Recognition for their participation in the DMRQA (Discharge Monitoring Report Quality Analysis) program last year and will be receiving the same recognition this year.
- The City of Grand Island will be receiving the 2014 Nebraska Water Environment Association (NWEA) Safety Award during the Fall Conference Banquet

Future Years

	2015	2016	2017
Beginning Cash	16,061,858	10,081,269	7,888,669
Revenues	27,098,327	24,652,500	21,304,500
Expenses	33,078,916	26,845,100	22,752,500
Ending Cash Balance	10,081,269	7,888,669	6,440,669

CITY OF

Grand Island

NEBRASKA

PUBLIC WORKS