

Desert Dunes Water Reclamation Facility Expansion

8.9803

Total Project Cost \$50,000,000 **Category** Wastewater

Section 8. Sewer Utility **Priority** 2 Very Important

Location Desert Dunes Water Reclamation Facility

Related Projects

Description Expansion of the Desert Dunes Water Reclamation Facility capacity from 3 MGD to 7 MGD. The expansion will take place at the City of Yuma's 75 acre plant site at Avenue 6E and 40th Street. Design of 4 MGD expansion completed in 2009. Expansion activities will be limited to increasing treatment and disposal aspects of the facility, as incoming piping and headworks were constructed to accommodate the ultimate plant capacity of 12 MGD with the initial plant construction in 2005.

Justification Development on the East Mesa occurred at a rapid rate. Eventhough subdivision construction has slowed dramatically since 2007, several new developments are scheduled on in construction within the service area of the Desert Dunes Water Reclamation Facility. This facility's capacity must keep pace with allocated user capacity or it will be necessary for new development to seek other methods of waste treatment and disposal.

Planning Context Wastewater Facilities Plan
Public Services Element of General Plan, at an ultimate capacity of 10-12 MGD.

Type Improvement



Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction			10,000,000		17,000,000	18,000,000					45,000,000
Inspection					2,000,000	3,000,000					5,000,000
Total			10,000,000		19,000,000	21,000,000					50,000,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility			10,000,000		19,000,000	21,000,000					50,000,000
Total			10,000,000		19,000,000	21,000,000					50,000,000

1st Avenue Trunk Sewer Replacement

8.0005

Total Project Cost	\$800,000	Category	Wastewater
Section	8. Sewer Utility	Priority	2 Very Important
Location	1st Avenue, 16th Street to the Industrial Trunk Sewer		
Related Projects	5.9602, 7.0300		
Description	Replace 8" Vitrified Clay Pipe (VCP) sewer line with 12" line in 1st Avenue from 16th Street to 10th Street, then east to MH #2218, between Madison Avenue and Maple Avenue.		
Justification	The existing 8" pipe sewer system is overloaded. The sewer system needs to be increased to a 12" pipe to handle existing and projected flows. Any change in land use (or increase in intensity) could result in surcharged conditions to existing system.		
Planning Context			
Type	Improvement		

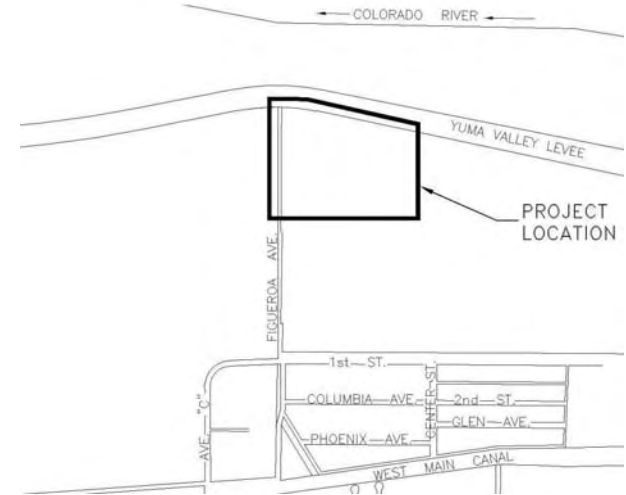


Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Construction		760,000									760,000
Inspection		40,000									40,000
Total		800,000									800,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Bond-Utility		800,000									800,000
Total		800,000									800,000

Secondary Clarifier Upgrades & Improvements

8.0501

Total Project Cost \$3,650,000 **Category** Wastewater
Section 8. Sewer Utility **Priority** 2 Very Important
Location Figueroa Water Pollution Control Facility
Related Projects 8.0503
Description Rehabilitate secondary clarifiers to include replacing catwalks, drive mechanisms, piping; reconfigure troughs; coat interior and exterior; install covers and odor control equipment as needed.
Justification Existing clarifiers are old. Last major improvements were made 25 years ago. Improvements needed to address corrosion, safety, and odor problems.
Planning Context
Type Improvement



Expenditures	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Planning/Design							150,000				150,000
Construction							3,400,000				3,400,000
Inspection							100,000				100,000
Total							3,650,000				3,650,000
Funding Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
Sewer Capacity Funds							3,650,000				3,650,000
Total							3,650,000				3,650,000

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