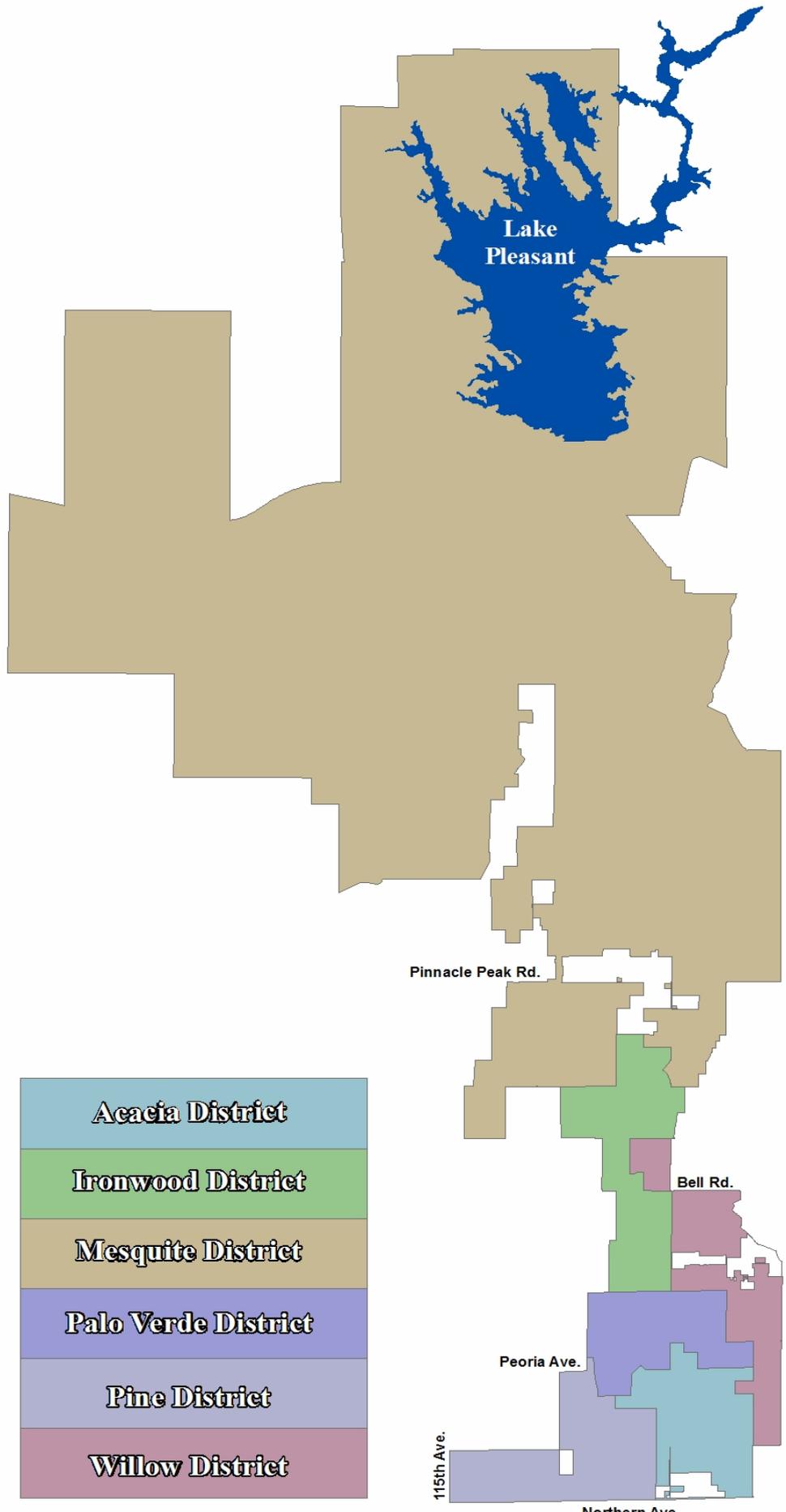


CITY OF PEORIA
FISCAL YEAR 2009

CAPITAL
IMPROVEMENT
PROGRAM

WASTEWATER



Wastewater

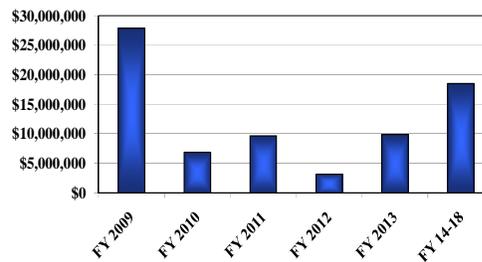


Wastewater

The measure of success when collecting and treating wastewater is when no one so much as wonders how it is done. It takes a complex network of infrastructure to make this operation seamless. In addition to building and operating large water treatment and reclamation facilities, the City of Peoria ensures that infrastructure is in place from an individual residence or commercial establishment, along roadway alignments, to the treatment facility. Facilities within Peoria also can reuse a portion of flows, providing a new, non-potable water resource opportunity.

Wastewater infrastructure is funded primarily through operating revenues from rate payers, as well as revenue bonds, and development impact fees. The Capital Improvement Program for fiscal years 2009-2018 including transmission lines, facility expansions, and lift stations.

**FY 2009 - 2018
Capital Improvement Plan
Total Wastewater
\$75,879,708**



Wastewater

Name	Pg#	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14-18	Total
77th Ave & Jomax Sewer Interceptor	244	\$502,226	\$0	\$0	\$0	\$0	\$0	\$502,226
99th Avenue Wastewater Interceptor Upgrades	245	\$466,008	\$0	\$0	\$0	\$0	\$0	\$466,008
Agua Fria Lift Station/ WRF- North of CAP	246	\$0	\$0	\$0	\$0	\$232,145	\$6,507,157	\$6,739,302
Beardsley Water Reclamation Facility Phase III	247	\$6,282,626	\$2,139,180	\$0	\$250,000	\$5,402,375	\$0	\$14,074,181
Beardsley Water Reclamation Facility Phase IV	248	\$0	\$0	\$0	\$0	\$0	\$6,172,222	\$6,172,222
Beardsley WRF - Monitor Wells and Misc. Upgrades	249	\$290,740	\$0	\$0	\$0	\$0	\$0	\$290,740
Beardsley WRF Recharge Basins: Phase III	250	\$0	\$0	\$0	\$423,720	\$2,071,990	\$0	\$2,495,710
Butler Drive Street Improvements-79th to 81st Aves	251	\$0	\$0	\$0	\$49,998	\$450,000	\$0	\$499,998
Butler Drive Water Reclamation Facility	252	\$14,025,253	\$0	\$0	\$0	\$0	\$0	\$14,025,253
Butler WRF Recharge Wells	253	\$250,000	\$0	\$404,000	\$1,565,500	\$1,540,250	\$1,290,250	\$5,050,000
Deer Valley - 24-inch Sewer/Lk Plst Rd- 91st Ave	254	\$68,122	\$0	\$0	\$0	\$0	\$0	\$68,122
Jomax Water Reclamation Facility First Expansion	255	\$228,173	\$0	\$0	\$0	\$0	\$0	\$228,173
Jomax Water Reclamation Facility Phase 4	256	\$0	\$0	\$0	\$0	\$0	\$1,249,875	\$1,249,875
Jomax WRF Operations Building	257	\$300,000	\$0	\$0	\$0	\$0	\$257,550	\$557,550
Lake Plsnt Pkwy-21/18 inch Sewer/Dynamite-Loop 303	258	\$30,000	\$430,019	\$4,968,208	\$0	\$0	\$0	\$5,428,227
Lift Station Reconditioning	259	\$596,405	\$0	\$0	\$545,400	\$0	\$0	\$1,141,805
Loop 303 Wastewater Line Crossings	260	\$1,336,274	\$0	\$0	\$0	\$0	\$0	\$1,336,274
Miscellaneous Local Wastewater Line Improvements	261	\$275,983	\$101,000	\$101,000	\$101,000	\$101,000	\$505,000	\$1,184,983
Northern Ave and 95th Ave Trunk Sewer Rehab	262	\$871,731	\$4,029,470	\$4,029,470	\$0	\$0	\$0	\$8,930,671
Regional Lift Station - North of Dynamite	263	\$0	\$0	\$0	\$202,000	\$0	\$2,383,600	\$2,585,600
Solar Power Pilot Project	264	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
Tolleson WRF De-Chlorination Facilities	265	\$652,589	\$0	\$0	\$0	\$0	\$0	\$652,589
Tolleson WRF Sludge Basin Cleanup	266	\$413,174	\$0	\$0	\$0	\$0	\$0	\$413,174
Wastewater Expansion Fee Update	267	\$75,000	\$0	\$75,000	\$0	\$75,000	\$150,000	\$375,000
West Agua Fria Wastewater Lines	268	\$792,855	\$151,500	\$67,670	\$0	\$0	\$0	\$1,012,025
<u>Total - Wastewater</u>		\$27,857,159	\$6,851,169	\$9,645,348	\$3,137,618	\$9,872,760	\$18,515,654	\$75,879,708

Wastewater

Summary of Funding Sources

Description of Fund	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14-18	Total
2050 - Water Utility	\$0	\$0	\$0	\$24,999	\$225,000	\$0	\$249,999
2161 - Water Expansion	\$1,233,424	\$0	\$202,000	\$0	\$1,540,250	\$1,270,062	\$4,245,736
2400 - Wastewater Utility	\$5,140,460	\$1,101,000	\$101,000	\$646,400	\$101,000	\$505,000	\$7,594,860
2452 - Water Infrastructure Finance Authority P	\$5,050,000	\$0	\$0	\$0	\$0	\$0	\$5,050,000
2454 - Water/Sewer Revenue Bonds 2000 (WW)	\$13,977,628	\$5,168,650	\$4,029,470	\$0	\$0	\$0	\$23,175,748
2510 - Wastewater Expansion	\$2,455,647	\$581,519	\$5,312,878	\$2,466,219	\$8,006,510	\$16,740,592	\$35,563,365
Total	\$27,857,159	\$6,851,169	\$9,645,348	\$3,137,618	\$9,872,760	\$18,515,654	\$75,879,708

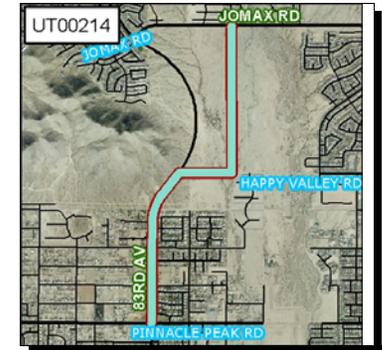
77th Ave & Jomax Sewer Interceptor

Project Number : UT00214

Project Location : Sonoran Mtn Rch -83rd Ave/Pinnacle Peak

Description:

Wastewater interceptor pipelines will be needed to collect the wastewater generated in the service area of the Beardsley Wastewater Reclamation Facility. This project will construct the major collection lines needed to extend the sewer service to those areas of the City located north of Pinnacle Peak Road. The project will be completed in two (2) phases. Phase 1 will included constructing: a) one mile of 12-inch sewer from 75th Ave & Dynamite to Jomax Road, b) half a mile of 18-inch sewer across Jomax to 77th Lane, and c) one mile of 18-inch sewer from 77th Lane & Jomax to Happy Valley Road. Phase 2 will include constructing: a) half a mile of 21-inch sewer across Happy Valley Road to 83rd Ave, and b) one mile of 18-inch sewer down 83rd Ave from Happy Valley Rd to Pinnacle Peak Rd.



Justification:

Wastewater interceptor pipelines will be needed to collect the wastewater generated in the service area of the Beardsley Wastewater Treatment Plant. These major collection pipelines will extend sewer service to those areas of the City north of Pinnacle Peak Road.

Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Carryover-FY08	\$12,344	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,344
Construction	Wastewater Expansion	Carryover-FY08	\$489,882	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$489,882
Total Budget			\$502,226	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$502,226

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$5,769	\$9,230	\$9,230	\$9,230	\$9,230	\$9,230	\$9,230	\$9,230	\$13,051	\$13,051	\$96,481

99th Avenue Wastewater Interceptor Upgrades

Project Number : UT00107

Project Location : 99th Avenue

Description:

Wastewater for the southern portion of the City of Peoria is conveyed to the City of Tolleson Wastewater Treatment Plant in a major wastewater interceptor pipeline located along 99th Avenue. This line has been evaluated and needs some repair and maintenance. Peoria is funding their portion of the identified repairs, which are scheduled to be completed in August of 2008.

Justification:

The 99th Avenue interceptor has capacity which is shared between several municipalities including the City of Peoria. Peoria will pay a portion of this line repairs based on our capacity in the line per the IGA with Phoenix, Glendale, and Tolleson.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Utility	Carryover-FY08	\$4,614	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,614
Construction	Wastewater Utility	Carryover-FY08	\$461,394	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$461,394
Total Budget			\$466,008	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$466,008

Agua Fria Lift Station/ WRF- North of CAP

Project Number :UT00267

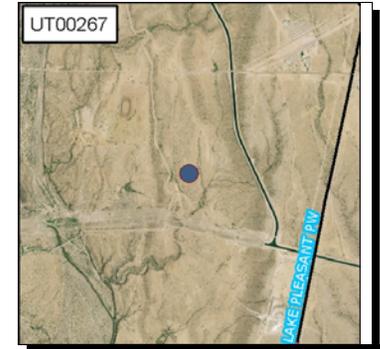
Project Location :Vistancia Area

Description:

This is a new lift station to serve the area of the City located north of the CAP canal and east of the Agua Fria River. The project also includes the construction of linear feet dual 8- inch force mains. As recommended in the 2007 Wastewater Master Plan this site will eventually become a Water Reclamation Facility accordingly land is being purchased in FY14. Northern area lift station identified in the 2007 Wastewater Master Plan. The site will eventually become a WRF. This project also includes the installation of dual 8" force mains.

Justification:

Growth in the northeast area of city. Recommended in the 2007 Wastewater Master Plan.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$2,299	\$0	\$24,823	\$0	\$0	\$0	\$27,122
Construction	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$2,482,334	\$0	\$0	\$0	\$2,482,334
Design	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$229,846	\$0	\$0	\$0	\$0	\$0	\$229,846
Land Acquistion	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$0	\$4,000,000
Total Budget			\$0	\$0	\$0	\$0	\$232,145	\$4,000,000	\$2,507,157	\$0	\$0	\$0	\$6,739,302

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$15,000	\$15,000	\$45,000

Beardsley Water Reclamation Facility Phase III

Project Number :UT00124

Project Location :111th Ave /Beardsley Road

Description:

The existing City of Peoria Beardsley Road Water Reclamation Facility will require expansion to keep pace with the increased wastewater flow which will be generated north of Beardsley Road. The service area of the Beardsley Facility extends from Beardsley Road north to Lake Pleasant and includes all that portion of the City located east of the Agua Fria River. The facility has been planned for several expansions up to an ultimate capacity of sixteen (16) million gallons per day. The original capacity was three (3) million gallons per day. The Phase II expansion added one (1) million gallons per day of capacity and the Phase III expansion will add another two (2) million gallons per day liquid stream for a total plant capacity of six (6) million gallons per day of liquid handling capacity and will be completed in 2 phases. In order to maintain the same level of production in the existing facility, upgrades need to be implemented to modernize existing equipment- these upgrades will be completed in FY09/ FY10. Due to growth in the Beardsley service area, the plant capacity needs to be increased by two million gallons per day. These upgrades will be completed in FY12/ FY13.



Justification:

This Phase III expansion will add another one (2) million gallons per day of liquid treatment capacity, for a total plant capacity of six (6) million gallons per day of liquid handling capacity. This expansion is necessary to meet the service requirements anticipated by the Wastewater Master Plan and to modernize the plant equipment.

Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$2,500	\$54,024	\$0	\$0	\$0	\$0	\$0	\$56,524
Construction	Wastewater Expansion	Base	\$0	\$0	\$0	\$247,500	\$5,348,351	\$0	\$0	\$0	\$0	\$0	\$5,595,851
Arts	Water Expansion	Carryover-FY08	\$8,716	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,716
Construction	Water Expansion	Carryover-FY08	\$871,535	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$871,535
Arts	WIFA Phase II	Base	\$54,024	\$21,180	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,204
Construction	WIFA Phase II	Base	\$5,348,351	\$2,118,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,466,351
Total Budget			\$6,282,626	\$2,139,180	\$0	\$250,000	\$5,402,375	\$0	\$0	\$0	\$0	\$0	\$14,074,181

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$473,704	\$497,359	\$522,259	\$548,372	\$575,790	\$604,580	\$630,000	\$675,000	\$4,527,064

Beardsley Water Reclamation Facility Phase IV

Project Number : UT00213

Project Location : 111th Ave/Beardsley Road

Description:

The existing City of Peoria Beardsley Road Water Reclamation Facility will require expansion to keep pace with the increased wastewater flows, which will be generated by new developments located north of Beardsley Road. The service area of the Beardsley Facility extends from Beardsley Road north to Lake Pleasant and includes all that portion of the City located east of the Agua Fria River. The facility has been planned for several expansions up to an ultimate capacity of sixteen (16) million gallons per day. The Phase III expansion will bring the total liquid handling capacity of the plant up to six (6) million gallons per day. The Phase IV expansion will add another six (6) million gallons per day of liquid and twelve (12) million gallons of solid handling capacity to the plant, for a total plant capacity of twelve (12) millions gallons per day of both liquid and solids handling capacity.



Justification:

This Phase IV expansion will add another six (6) million gallons per day of liquid and solid handling capacity to the plant, for a total plant capacity of twelve (12) millions gallons per day of both liquid and solids handling capacity. This expansion is necessary to meet the service requirements anticipated by the Wastewater Master Plan.

Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$61,111	\$61,111
Design	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,111,111	\$6,111,111
Total Budget			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,172,222	\$6,172,222

Beardsley WRF - Monitor Wells and Misc. Upgrades

Project Number : UT00196

Project Location : 111th Ave/Beardsley Road

Description:

The existing City of Peoria Beardsley Road Water Reclamation Facility will require miscellaneous upgrades to the existing systems to allow for the continued operation of the plant and security upgrades. Also, two (2) additional wells need to be constructed to monitor the existing Recharge Basins at the site. The service area of the Beardsley Facility extends from Beardsley Road north to Lake Pleasant and includes all that portion of the City located east of the Agua Fria River.

Justification:

Upgrades are required to the existing facility systems to allowed for the continued operation of the plant and security upgrades. These upgrades include: Recharge Basin Upgrades=\$200,000; Effluent Pump VFD=\$35,000; Re-use water system for washdown @ headworks=\$31,000; Security gate and controls=\$40,000; Bar screen modifications=\$140,000; Grit Chamber equipment=\$60,000; Storage/Maintenance Building=\$150,000; MSA Sensors (H2S and LEL)=\$10,000; and miscellaneous other=\$334,000. Also two (2) new monitor wells (\$500,000) need to be constructed to monitor the existing recharge basins at the site.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Carryover-FY08	\$2,384	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,384
Construction	Wastewater Expansion	Carryover-FY08	\$238,471	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$238,471
Study	Wastewater Expansion	Carryover-FY08	\$49,885	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$49,885
Total Budget			\$290,740	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$290,740

Beardsley WRF Recharge Basins: Phase III

Project Number :UT00273

Project Location :111th and Beardsley Rd

Description:

This project will construct new recharge basins at the Beardsley Water Reclamation Facility needed to accommodate the plant expansion from 4 million gallons per day (MGD) to 6 MGD being completed by UT00124 (Beardsley WRF Recharge Basins).

Justification:

The Beardsley Water Reclamation Facility process capacity will be expanded from 4 million gallons per day to 6 million gallons per day under UT00124. These new recharge basins will be constructed in parallel with the plant expansion.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$4,237	\$20,720	\$0	\$0	\$0	\$0	\$0	\$24,957
Construction	Wastewater Expansion	Base	\$0	\$0	\$0	\$247,483	\$2,051,270	\$0	\$0	\$0	\$0	\$0	\$2,298,753
Design	Wastewater Expansion	Base	\$0	\$0	\$0	\$172,000	\$0	\$0	\$0	\$0	\$0	\$0	\$172,000
Total Budget			\$0	\$0	\$0	\$423,720	\$2,071,990	\$0	\$0	\$0	\$0	\$0	\$2,495,710

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000

Butler Drive Street Improvements-79th to 81st Aves

Project Number :UT00225

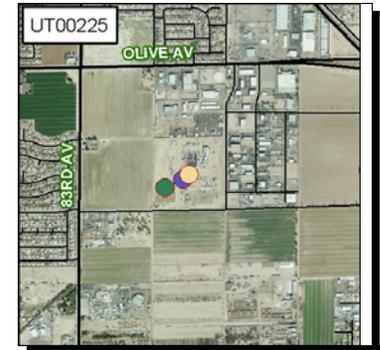
Project Location :Butler WRF

Description:

In order to coordinate with the City's Community Park 2, the Utilities Department will construct the north half of Butler Drive from 79th Avenue to 81st Avenue alignment. The improvements will consist of pavement, curb, gutter, sidewalk and street lights but will not include placing the existing overhead electrical lines underground.

Justification:

The project is necessary to coordinate with the City's Community Park 2.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$247	\$2,227	\$0	\$0	\$0	\$0	\$0	\$2,474
Design	Wastewater Expansion	Base	\$0	\$0	\$0	\$24,752	\$222,773	\$0	\$0	\$0	\$0	\$0	\$247,525
Arts	Water Utility	Base	\$0	\$0	\$0	\$247	\$2,227	\$0	\$0	\$0	\$0	\$0	\$2,474
Design	Water Utility	Base	\$0	\$0	\$0	\$24,752	\$222,773	\$0	\$0	\$0	\$0	\$0	\$247,525
Total Budget			\$0	\$0	\$0	\$49,998	\$450,000	\$0	\$0	\$0	\$0	\$0	\$499,998

Butler Drive Water Reclamation Facility

Project Number : UT00031

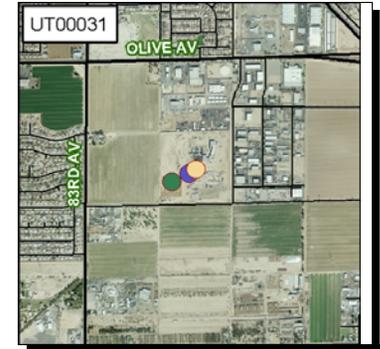
Project Location : 79th Avenue and Butler

Description:

This project includes Conceptual Design, Land Purchase, Final Design and Construction of a 10 Million Gallon per Day Wastewater Reclamation Plant located in the southern area of Peoria. This plant is intended to supplement the available treatment capacity in the Tolleson Wastewater Treatment Plant and will be required as the Southern portion of the City of Peoria builds out. The facility will treat wastewater for beneficial reuse. FY 09 includes monitoring well for overflow point at 101st Avenue and Northern Avenue.

Justification:

This plant is intended to supplement the available treatment capacity in the Tolleson Wastewater Treatment Plant and will be required as the Southern portion of the City of Peoria builds out. The facility will treat wastewater for beneficial reuse.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Construction	Wastewater Utility	Carryover-FY08	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
Arts	WIFA Phase I	Carryover-FY08	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
Construction	WIFA Phase I	Carryover-FY08	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000,000
Arts	WIFA Phase II	Base	\$85,753	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$85,753
Construction	WIFA Phase II	Base	\$8,489,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,489,500
Total Budget			\$14,025,253	\$0	\$14,025,253								

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$783,000	\$5,483,000	\$5,483,000	\$5,483,000	\$5,483,000	\$5,483,000	\$5,450,000	\$5,450,000	\$5,450,000	\$44,548,000

Butler WRF Recharge Wells

Project Number :UT00248

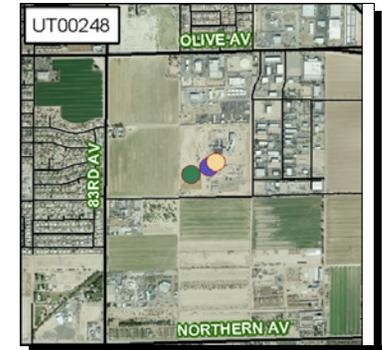
Project Location :Southern Peoria

Description:

This project will design and construct recharge wells on the Butler WRF Plant site and Community Park 2. The recharge wells will enable the Butler Drive WRF to deliver water directly to the aquifer and absorb some of the peaking factors that happen throughout the year, as well as addressing the expected decrease in recharge capacity at the NAUSP recharge facility. The FY09 funds will be used to coordinate the installation of piping for the recharge wells with phase 1 of Community Park 2.

Justification:

This project will address the expected decrease in recharge rate at the NAUSP. Based on historical experience with two other recharge projects, the underground storage facility generally gets permitted at a higher rate than it is operationally capable. In addition, this will help with peaking factors and be able to maximize recharge credits.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$1,250	\$0	\$2,000	\$15,655	\$0	\$6,451	\$0	\$0	\$0	\$0	\$25,356
Construction	Wastewater Expansion	Base	\$123,750	\$0	\$200,000	\$1,549,845	\$0	\$638,674	\$0	\$0	\$0	\$0	\$2,512,269
Arts	Water Expansion	Base	\$1,250	\$0	\$2,000	\$0	\$15,250	\$6,452	\$0	\$0	\$0	\$0	\$24,952
Construction	Water Expansion	Base	\$123,750	\$0	\$200,000	\$0	\$1,525,000	\$638,673	\$0	\$0	\$0	\$0	\$2,487,423
Total Budget			\$250,000	\$0	\$404,000	\$1,565,500	\$1,540,250	\$1,290,250	\$0	\$0	\$0	\$0	\$5,050,000

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000

Deer Valley - 24-inch Sewer/Lk Plst Rd-91st Ave

Project Number : UT00103

Project Location : Deer Valley Road East of Lake Plst Road

Description:

This project provides for the design and construction of a 24-inch sanitary sewer line along Deer Valley Road from Lake Pleasant Road to 91st Avenue. This sewer will be required to provide service to the area located generally north of Deer Valley Road and to intercept wastewater flows at 91st Avenue to relieve the flows in the Beardsley Road wastewater interceptor.

Justification:

This sewer will be required to provide service to the Camino a Lago development and to intercept wastewater flows at 91st Avenue to relieve the flows in the Beardsley Road wastewater interceptor.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Carryover-FY08	\$675	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$675
Construction	Wastewater Expansion	Carryover-FY08	\$67,447	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$67,447
Total Budget			\$68,122	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$68,122

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$3,308	\$3,308	\$3,308	\$3,437	\$3,308	\$3,308	\$3,308	\$3,308	\$4,432	\$4,474	\$35,499

Jomax Water Reclamation Facility First Expansion

Project Number : UT00173

Project Location : El Mirage and Jomax Road

Description:

This is a new wastewater reclamation facility located just north of the Beardsley canal west of the Agua Fria River. The current facility capacity is 0.75 million gallons per day. The plant will need to be expanded to meet both the needs of the Vistancia development and the surrounding areas. The City will contribute funds to build an additional 0.75 million gallons per day of capacity into the facility during each expansion. The additional capacity will accommodate the needs of the growth outside the Vistancia development.

Justification:

This is a new wastewater reclamation plant located just north of the Beardsley canal west of the Agua Fria River. This plant is required to provide for the regional wastewater treatment and reclamation for reuse for a portion of the City located west of the Agua Fria River. The first phase of this plant will be constructed by a developer and will be expanded in the future to serve additional areas.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Water Expansion	Carryover-FY08	\$2,259	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,259
Construction	Water Expansion	Carryover-FY08	\$225,914	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,914
Total Budget			\$228,173	\$0	\$228,173								

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$379,739	\$392,679	\$406,265	\$420,531	\$435,541	\$451,239	\$467,753	\$2,195,378	\$467,753	\$467,753	\$6,084,631

Jomax Water Reclamation Facility Phase 4

Project Number :UT00237

Project Location :El Mirage and Jomax Road

Description:

This project provides for Phase 4 Expansion of the Jomax Water Reclamation Facility (WRF). The Vistancia Community Facility District (VCFD) and Peoria are joint owners of the Jomax WRF which provides wastewater treatment capacity for the portion of the City located west of the Agua Fria River. With the completion of the phase II expansion, the Jomax WRF has a capacity of 2.25 million gallons per day (MGD) with the first two phases complete. Phase 3 will add 0.75 MGD for a total plant capacity of 3.00 MGD and it will be funded exclusively by the VCFD. Phase 4 will add 1.50 MGD to bring the total plant capacity of 4.50 MGD and it will be jointly funded by the VCFD and Peoria (0.25 MGD for VCFD and 1.25 MGD for Peoria).



Justification:

This is a new wastewater reclamation facility located just north of the Beardsley canal, west of the Agua Fria River. This facility is required to provide for the regional wastewater treatment and reclamation needs for the portion of the City located west of the Agua Fria River.

Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,188	\$6,188
Design	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$618,750	\$618,750
Arts	Water Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,187	\$6,187
Design	Water Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$618,750	\$618,750
Total Budget			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,249,875	\$1,249,875

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$185,000	\$185,000

Jomax WRF Operations Building

Project Number :UT00258

Project Location :Jomax WRF

Description:

The project will construct a 6200 square feet operations building at the Jomax WRF. The building will include a control room, laboratories, administrative space, training/conference room and a work shop. This building will replace the temporary trailers being used to house staff at this site. This project is being timed with the next expansion of the treatment plant and the City will fund 60 percent and VCFD 40 percent. The FY09 funds will be used to set up an existing 720 square feet trailer at the site to act as temporary administrative space.

Justification:

Currently city staff is housing our operational staff in a temporary trailer at the site since the completion of the site in 2003.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,550	\$2,550
Design	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$255,000	\$255,000
Arts	Wastewater Utility	Base	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000
Construction	Wastewater Utility	Base	\$297,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$297,000
Total Budget			\$300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$257,550	\$557,550

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$65,000	\$65,000

Lake Plsnt Pkwy-21/18 inch Sewer/Dynamite-Loop 303

Project Number : UT00151

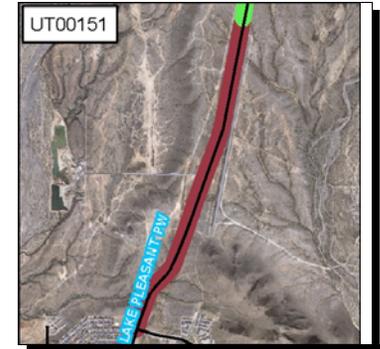
Project Location : Lake Plsnt Pkwy Dynamite to Loop 303

Description:

This project includes the design and construction of a 21/18-inch sanitary sewer line along Lake Pleasant Road from Dynamite to Loop 303. This sewer will be required to provide service to the Lake Pleasant Roadway Corridor and the northerly areas of the City located east of the Agua Fria River. The project is being coordinated with the construction of Lake Pleasant Parkway from Dynamite Road to Loop 303.

Justification:

Major collection pipelines and lift stations are required to convey and deliver wastewater to the appropriate treatment facility. These sewer lines are City-wide facilities and will carry large volumes of wastewater for several miles.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$297	\$4,257	\$49,190	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,744
Construction	Wastewater Expansion	Base	\$0	\$0	\$4,919,018	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,919,018
Design	Wastewater Expansion	Base	\$29,703	\$425,762	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$455,465
Total Budget			\$30,000	\$430,019	\$4,968,208	\$0	\$5,428,227						

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$8,865	\$8,865	\$8,865	\$8,865	\$8,865	\$8,865	\$8,952	\$62,142

Lift Station Reconditioning

Project Number :UT00116

Project Location :Various

Description:

The City owns and operates sanitary sewer lift stations located at various locations. These stations deliver raw sewage to our Water Reclamation facilities. This project provides funds to upgrade the lift station equipment as it becomes obsolete. The FY08/ FY09 funds will be used to add an emergency generator and upgrade the pumps at the 101st Avenue/ Northern lift station site.

Justification:

The money in 2009 is allocated to upgrade of the electrical system and other site improvements at the lift station located at Northern and 101st Avenue.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Utility	Base	\$2,382	\$0	\$0	\$5,400	\$0	\$0	\$0	\$0	\$0	\$0	\$7,782
Arts	Wastewater Utility	Carryover-FY08	\$3,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,250
Construction	Wastewater Utility	Base	\$265,773	\$0	\$0	\$495,000	\$0	\$0	\$0	\$0	\$0	\$0	\$760,773
Construction	Wastewater Utility	Carryover-FY08	\$325,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$325,000
Design	Wastewater Utility	Base	\$0	\$0	\$0	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000
Total Budget			\$596,405	\$0	\$0	\$545,400	\$0	\$0	\$0	\$0	\$0	\$0	\$1,141,805

Loop 303 Wastewater Line Crossings

Project Number : UT00254

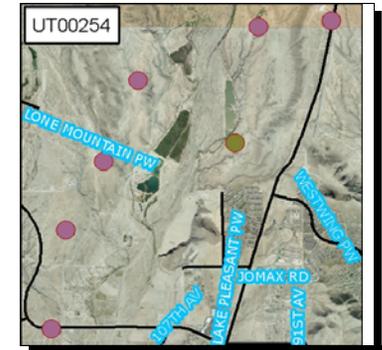
Project Location : Loop 303- Dynamite

Description:

This project will coordinate the design and construction of sewer lines at the major intersection of Loop 303.

Justification:

In the future, each of the sewer sections constructed will become part of the City's regional sewer system. Coordinating the construction of these segments with the Loop 303 construction will save the City much larger expense in the future.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$12,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,300
Arts	Wastewater Expansion	Carryover-FY08	\$930	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$930
Construction	Wastewater Expansion	Carryover-FY08	\$1,079,265	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,079,265
Design	Wastewater Expansion	Base	\$243,779	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$243,779
Total Budget			\$1,336,274	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,336,274

Miscellaneous Local Wastewater Line Improvements

Project Number : UT00191

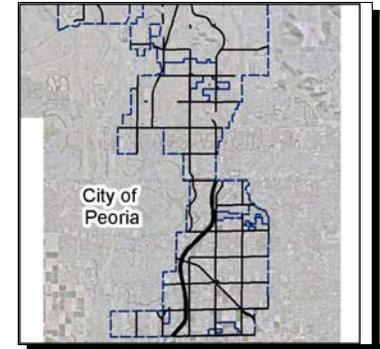
Project Location : Various Locations

Description:

This project will provide funding to repair and upgrade the City's existing wastewater collection system to ensure its continued operation. These funds will also be used to construct sewer extensions to coordinate with new street improvement project.

Justification:

The existing City wastewater collection system needs to be repaired to ensure its continued operation.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Utility	Base	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$10,000
Arts	Wastewater Utility	Carryover-FY08	\$1,733	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,733
Construction	Wastewater Utility	Base	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$1,000,000
Construction	Wastewater Utility	Carryover-FY08	\$173,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$173,250
Total Budget			\$275,983	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	\$101,000	\$1,184,983

Northern Ave and 95th Ave Trunk Sewer Rehab

Project Number : UT00167

Project Location : Northern Ave - 83rd to 99th, 95th Ave. - Peoria to N

Description:

The trunk sewer lines on Northern Avenue (99th Avenue to 83rd Avenue) and 95th Avenue (Northern Avenue to Peoria Avenue) have been identified as having considerable deterioration. This project will fund the design and construction needed to repair the lines.

Justification:

This project will provide for the rehabilitation of the sanitary sewer trunk lines on Northern Avenue and 95th Avenue that have considerable amounts of deterioration.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Utility	Base	\$8,631	\$9,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$18,531
Construction	Wastewater Utility	Base	\$0	\$990,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$990,100
Construction	Wastewater Utility	Carryover-FY08	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
Design	Wastewater Utility	Base	\$463,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$463,100
Arts	WIFA Phase II	Base	\$0	\$29,990	\$39,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$69,890
Construction	WIFA Phase II	Base	\$0	\$2,999,480	\$3,989,570	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,989,050
Total Budget			\$871,731	\$4,029,470	\$4,029,470	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,930,671

Regional Lift Station - North of Dynamite

Project Number :UT00247

Project Location :North Peoria

Description:

This project will construct a new regional lift station located north of the Dynamite Road alignment to serve the portion of the City located east of the Agua Fria River. This will be a major collection site for wastewater flows for development located north of Dynamite Road and south of the CAP. The FY12 funds will be used to purchase the site and the FY 14/ FY15 funds will be used to complete the design and construction, which include force mains from the site.

Justification:

A Regional Lift Station will be necessary to take flows from North of Dynamite Road and put into a pipeline that feeds to Beardsley Water Reclamation Facility. This is due to elevation changes in the North part of the City.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$2,000	\$21,600	\$0	\$0	\$0	\$23,600
Construction	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$2,160,000	\$0	\$0	\$0	\$2,160,000
Design	Wastewater Expansion	Base	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Land Acquisition	Wastewater Expansion	Base	\$0	\$0	\$0	\$202,000	\$0	\$0	\$0	\$0	\$0	\$0	\$202,000
Total Budget			\$0	\$0	\$0	\$202,000	\$0	\$202,000	\$2,181,600	\$0	\$0	\$0	\$2,585,600

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000	\$45,000	\$45,000	\$135,000

Solar Power Pilot Project

Project Number :UT00265

Project Location :Beardsley WRF

Description:

This project is for the installation of a 50 KW solar generating facility at the Beardsley WRF operations building. This project will provide supplemental power for the building to ultimately reduce power usage and minimize the carbon footprint of the facility.

Justification:

Current APS rebates will result in \$125,000 payback in the initial year of the project and an electric savings in excess of \$8,000 per year.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Study	Wastewater Utility	Base	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000
		Total Budget	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000

Tolleson WRF De-Chlorination Facilities

Project Number :UT00163

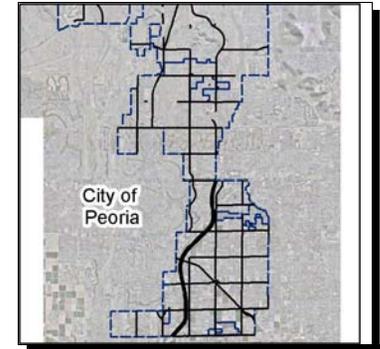
Project Location :Tolleson

Description:

This project is an upgrade to the City of Tolleson Wastewater Reclamation Facility. The work involves the construction of a facility to remove chlorine from the treated effluent prior to discharge.

Justification:

The City of Peoria is a 53% owner of theTolleson Wastewater Reclamation Facility. This project is an upgrade to the City of Tolleson Wastewater Reclamation Facility. The work involves the construction of a facility to remove chlorine from the treated effluent prior to discharge.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Utility	Carryover-FY08	\$4,427	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,427
Construction	Wastewater Utility	Carryover-FY08	\$648,162	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$648,162
Total Budget			\$652,589	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$652,589

Tolleson WRF Sludge Basin Cleanup

Project Number :UT00161

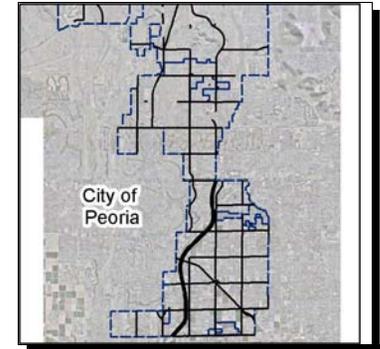
Project Location :Tolleson

Description:

This project is an upgrade to the City of Tolleson Wastewater Reclamation Facility. The work involves the removal of an existing sludge basin.

Justification:

The City of Peoria is a 53% owner of theTolleson Wastewater Reclamation Facility. The work involves the removal of an existing sludge basin. This is required in order to stay in compliance with the permit issued by the Maricopa Department of Environmental Quality. The work is necessary to maintain the existing plant capacity.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Construction	Wastewater Utility	Carryover-FY08	\$413,174	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$413,174
		Total Budget	\$413,174	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$413,174

Wastewater Expansion Fee Update

Project Number : UT00029

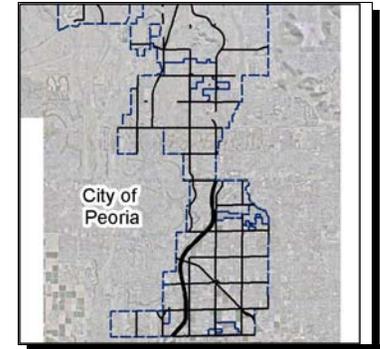
Project Location : Various Locations

Description:

This project will provide funds to hire a consultant to update the wastewater expansion fees. This is a task that needs to be done every two years to ensure the fees cover the cost of the CIP program. Work will be coordinated with Engineering and Finance Departments.

Justification:

The Wastewater Expansion Fees are updated every two (2) years to ensure that the fees cover the CIP program.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Study	Wastewater Expansion	Base	\$75,000	\$0	\$75,000	\$0	\$75,000	\$0	\$75,000	\$0	\$75,000	\$0	\$375,000
		Total Budget	\$75,000	\$0	\$75,000	\$0	\$75,000	\$0	\$75,000	\$0	\$75,000	\$0	\$375,000

West Agua Fria Wastewater Lines

Project Number :UT00171

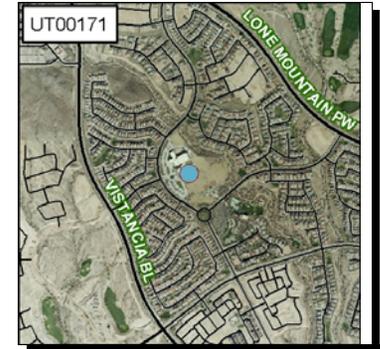
Project Location :Jomax and El Mirage Road

Description:

This project provides for additional collection capacity in the wastewater system in the Vistancia area. The Vistancia Utilities Master Plan identifies specific wastewater collection mains that can be increased above Vistancia's requirements, which will support growth by providing wastewater collection to new developments in the surrounding areas.

Justification:

This project provides for additional collection capacity in the wastewater system in the Vistancia area. These lines are part of the wastewater master plan and will be used to convey wastewater to the wastewater reclamation plant.



Category	Funding Source	Carryover / Base	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Arts	Wastewater Expansion	Base	\$0	\$1,500	\$670	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,170
Construction	Wastewater Expansion	Base	\$0	\$150,000	\$67,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$217,000
Construction	Wastewater Expansion	Carryover-FY08	\$28,285	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,285
Arts	Wastewater Utility	Base	\$7,570	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,570
Construction	Wastewater Utility	Base	\$757,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$757,000
Total Budget			\$792,855	\$151,500	\$67,670	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,012,025

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Total Operating Impacts:	\$0	\$0	\$0	\$21,987	\$21,987	\$21,987	\$21,987	\$3,993	\$3,993	\$3,993	\$99,927