

A graphic in the top right corner showing a water cycle with a blue arrow pointing down, a purple arrow pointing left, and a grey arrow pointing up, all within a circular path.

MAG 208 Amendment for the Service Area Expansion of the Liberty Water Palm Valley and Sarival Water Reclamation Facilities WQAC Meeting: Oct 16, 2012

*City of Glendale, AZ
LPSCo dba Liberty Water*

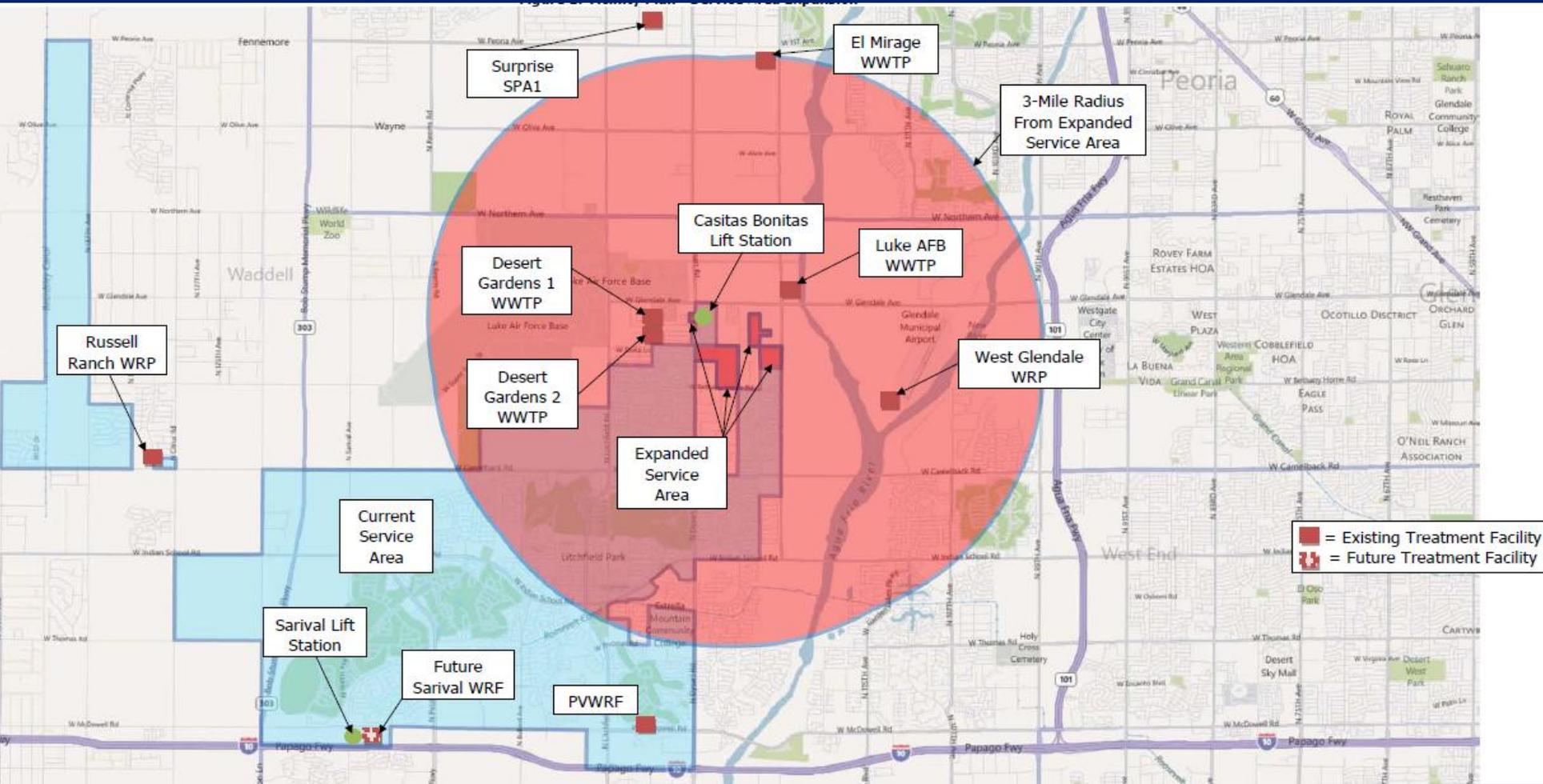
Agenda

-  Overview
-  Vicinity Map
-  Letters of No Objection
-  Flow Projections
-  Infrastructure Capacity
-  Construction/Financing

Overview

- Sponsored by Glendale, AZ / LPSCo
- Proposed Service Area is at northern end of current LPSCo service area
- Sufficient capacity in collections and treatment system
- Approved by ACC
- 0.099mgd estimated flow

Vicinity Map



Letters of No Objection

- Avondale, AZ
- El Mirage, AZ
- **Glendale, AZ**
- Goodyear, AZ
- Litchfield Park, AZ
- Luke AFB
- MCESD
- Peoria, AZ
- Phoenix, AZ
- Youngtown, AZ

Flow Projections

Single Family Property	# of Lots	Density	Projected Population	Projected Flow (gpd)
Bethany Estates North	34	3.2 people / lot	110	11,000
Bethany Estates South	28	3.2 people / lot	90	9,000
Dysart Village	39	3.2 people / lot	125	12,500
Falcon View	64	2.67 people / DU	171	17,100
Riverside Estates (Maryland 40)	80	3.2 people / lot	260	26,000
Subtotal Single Family:	245		756	75,600
Other	Acres	Flow	Projected Population	Projected Flow (gpd)
Dysart Crossings	3	1,500 gal/ac/day	N/A	4,500
Heritage Elementary School	7.1	18,560 gpd	N/A	18,560
Subtotal Commercial/Multi Family:	10.1			23,060
Total Project Wastewater Flow (MGD) =			0.099	

Infrastructure Capacity

Collection System

- Hydraulic modeling verifies d/D of 0.75 is not exceeded under peak flow conditions

Palm Valley WRF

- Expansion to 5.1MGD currently underway
- Signed APP Dated: April 13, 2012

Construction

Partial Infrastructure Exists

Single Family Property	Installed Infrastructure
Bethany Estates North	No*
Bethany Estates South	Yes
Dysart Village	Yes
Falcon View	No*
Riverside Estates (Maryland 40)	No*
Other	Installed Infrastructure
Dysart Crossings	Yes
Heritage Elementary	Yes
*Construction/Financing to be completed by developers and transferred to LPSCo upon acceptance	

Discussion/Questions