

MAG 208 Amendment  
for the Service Area Expansion of  
the LPSCo dba Liberty Utilities  
Palm Valley and Sarival Water  
Reclamation Facilities  
WQAC Meeting and Public Hearing:  
Dec 13, 2012

*City of Glendale, AZ*

*Litchfield Park Service Company  
dba Liberty Utilities*



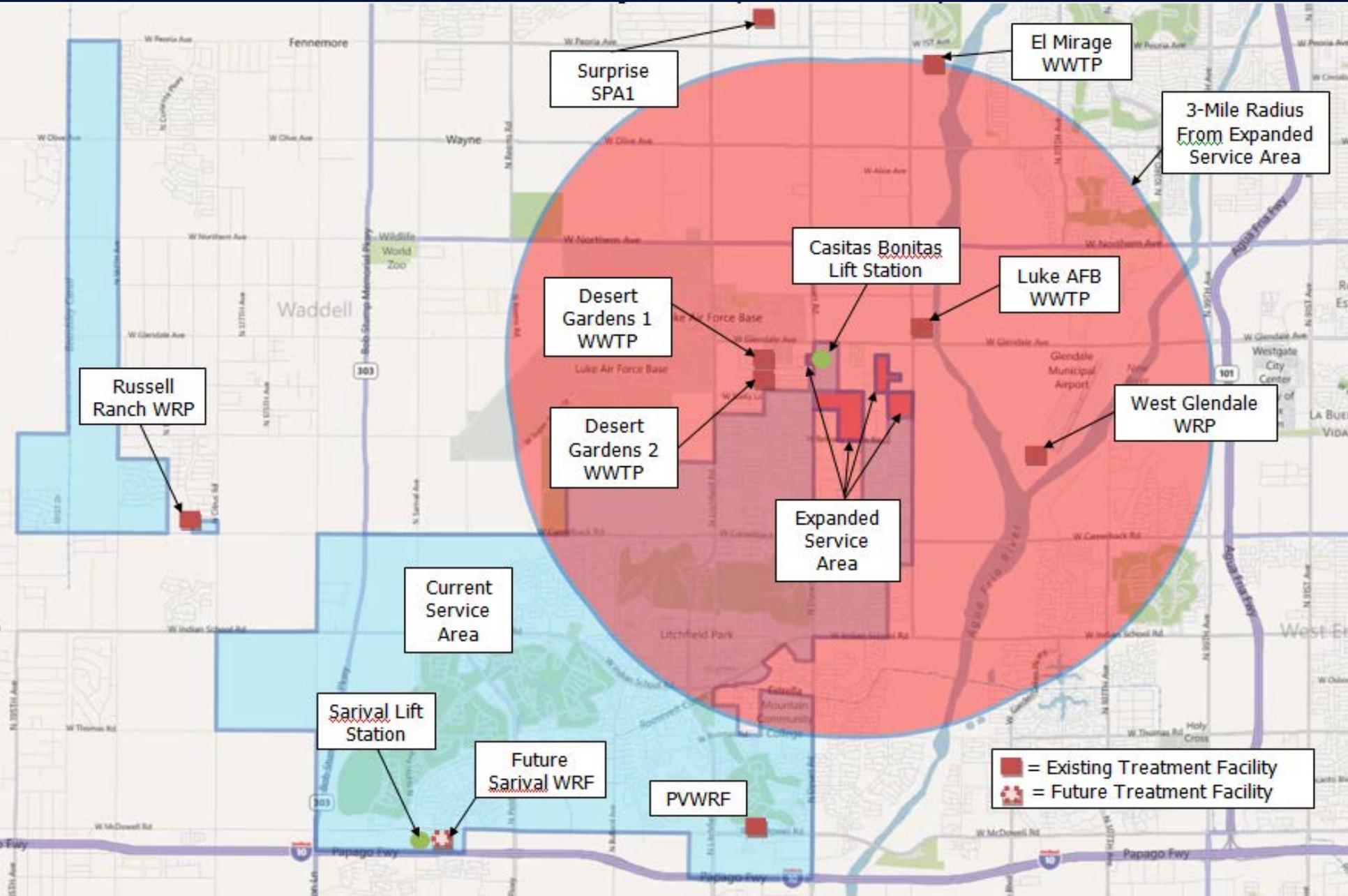
# Agenda

-  Overview
-  Vicinity Map
-  Letters of No Objection
-  Flow Projections
-  Infrastructure Capacity
  - No plant expansion associated with this Amendment
-  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
- Conditionally approved by ACC (awaiting 208 Approval)
- 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		<b>756</b>	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
<b>Total Project Wastewater Flow (MGD) =</b>			<b>0.099</b>	

# 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 under construction
- 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



# Unsewered Island Additional Flows

Single Family Property	# of Lots	Density	Projected Population	Projected Flow (gpd)
Litchfield Vista Views	210	3.2 people / lot	672	67,200
Los Cerros	35	3.2 people / lot	112	11,200
Litchfield Heights North	35	3.2 people / lot	112	11,200
Tierra Buena	86	3.2 people / lot	276	27,600
Future	90	3.2 people / lot	288	28,800
Total Potential Future Connections:	456		1,460	146,000