

ORIGINAL

NEW APPLICATION



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Arizona Corporation Commission
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FENNEMORE CRAIG MAR - 5 2013
A Professional Corporation
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DOCKETED BY [Signature]

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AZ CORP COMMISSION
DOCKET CONTROL

Attorneys for EPCOR Water Arizona Inc.

BEFORE THE ARIZONA CORPORATION COMMISSION

IN THE MATTER OF THE NOTICE OF INTENT OF EPCOR WATER (ARIZONA), INC. TO FILE AN APPLICATION FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY TO PROVIDE WASTEWATER UTILITY SERVICE.

DOCKET NO: SW-01303A-13-0050
NOTICE OF INTENT TO FILE A CC&N APPLICATION TO PROVIDE WASTEWATER UTILITY SERVICE

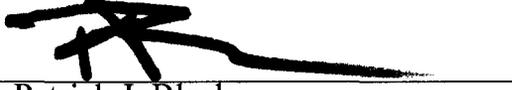
EPCOR Water Arizona Inc. ("EWAZ") provides this notice that it intends to file an application for new certificate of convenience and necessity ("CC&N") to provide wastewater utility service to areas within Maricopa County, Arizona, in accordance with A.A.C. R14-2-602.

The CC&N application will cover approximately 7,800 acres, portions of which overlap EWAZ's current water CC&N. A map depicting the area to be included in the CC&N application is attached hereto as Exhibit A. EWAZ also intends to submit an application to the Maricopa Association of Governments ("MAG") for a Section 208 plan amendment that includes the proposed area. The area sought in the CC&N application will be very similar to the area described in the MAG Section 208 Plan approved in 2002, which states "Within the western portion of the Glendale MPA, Arizona-American Water Company [now known as EPCOR Water Arizona Inc.] is planning a sewer service for an area called the Arizona-American Water Company (AAWC) Service Area. The AAWC

1 is defined on the north by Peoria Avenue, on the west by Perryville Road, on the south by
2 Camelback Road, and on the east by Loop 303 and Reems Road.” Relevant portions of
3 the 2002 MAG 208 Plan are attached hereto as Exhibit B.

4 RESPECTFULLY SUBMITTED this 5th day of March, 2013.

5 FENNEMORE CRAIG, P.C.

6
7 By 
8 Patrick J. Black
9 Jay L. Shapiro
10 2394 E. Camelback Road, Suite 600
11 Phoenix, Arizona 85016
12 Attorneys for EPCOR Water Arizona Inc.

13
14 ORIGINAL and thirteen (13) copies of the
15 foregoing, were filed
16 this 5th day of March, 2013, to:

17 Docket Control
18 Arizona Corporation Commission
19 1200 W. Washington St.
20 Phoenix, AZ 85007

21 COPY hand-delivered/mailed/emailed
22 this 5th day of March, 2013 to:

23 Lyn A. Farmer, Esq.
24 Chief Administrative Law Judge
25 Hearing Divison
26 Arizona Corporation Commission
1200 W. Washington St.
Phoenix, AZ 85007

Janice Alward, Esq.
Chief Counsel, Legal Division
Arizona Corporation Commission
1200 W. Washington St.
Phoenix, AZ 85007

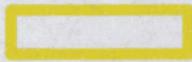
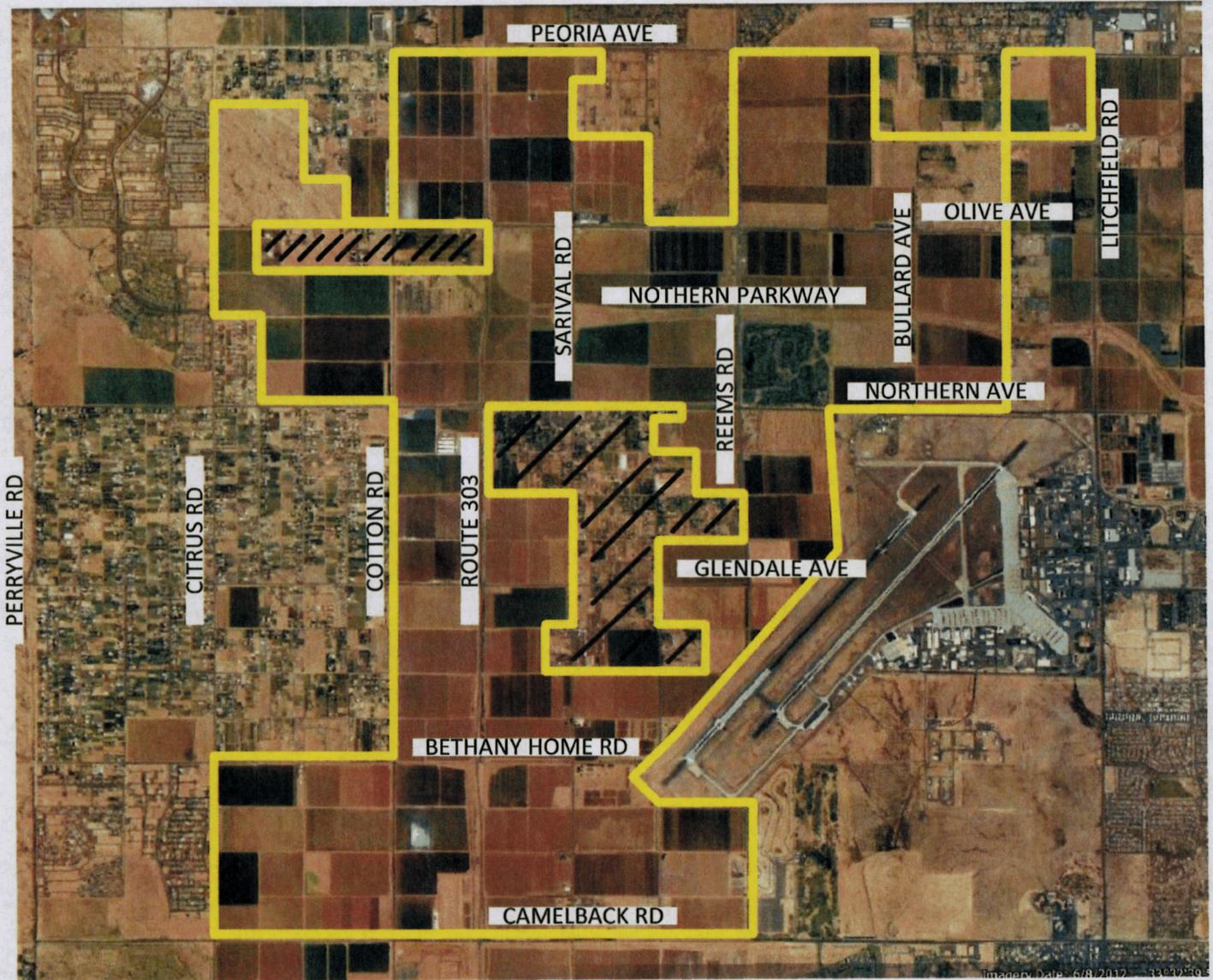
1 Steven M. Olea
2 Director, Utilities Division
3 Arizona Corporation Commission
4 1200 West Washington
5 Phoenix, AZ 85007

6 By: W.M. McEachern

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EXHIBIT A

EXHIBIT A
PROPOSED WASTEWATER CCN AREA



PROPOSED WASTEWATER CCN AREA – APPROXIMATELY 7,800



EXCLUDED AREA

EXHIBIT B

4.2.3.2 Glendale

The City of Glendale provides wastewater collection and treatment service within the incorporated limits of the city. In addition, in the 1980s the city has developed a facilities plan to provide wastewater service to what is referred to as the Western Area; however, the plan has not been implemented. The Western Area is bounded by Glendale's strip annexation. The approximate boundaries are 115th Avenue on the east, Perryville Road on the west, Peoria Avenue from Perryville Road to 1/2 mile east of Litchfield Road, and Northern Avenue from that point to the east. On the south, the Western Area is bounded by Camelback Road, with the exception of the area from Reems Road to 115th Avenue, which has boundaries between Camelback to Bethany Home Road.

The Glendale Planning Area, consisting of Regional Analysis Zones (RAZ) 222, 240, 254, 255, 256, 257, and 258, is depicted on Figure 4.8. The City of Glendale is the designated wastewater management agency for this area.

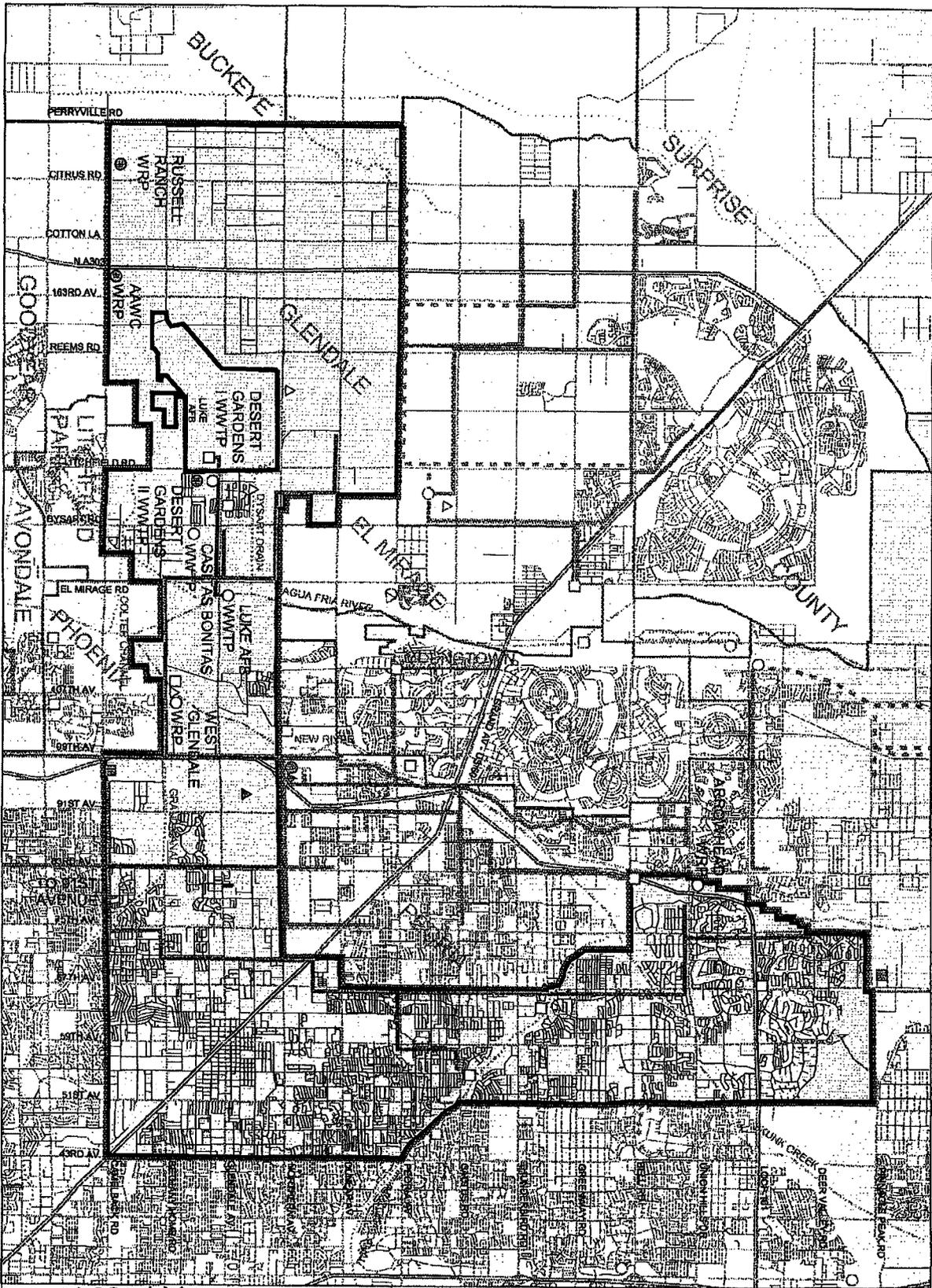
Population and Flow Projections. The MAG Municipal Planning Area (MPA) for Glendale includes the incorporated city and all areas within strip annexations, including Luke Air Force Base (AFB). Because Luke AFB operates and intends to continue to operate its own wastewater system, population and flow projections for the Base are not considered in this discussion. Actual flow data from Glendale indicates their per capita wastewater flow rate is 97 gpd (rather than the 100 gpd often used for planning purposes of flow projections). Table 4.19 presents projected SROG service population and flow, exclusive of Luke AFB.

Year	Population¹ (not including Luke AFB)	Flow¹ (mgd)
2000	202,309	19.71
2005	228,045	22.22
2010	244,045	23.78
2015	260,045	25.34
2020	276,045	26.90

¹ Based upon projected SROG service populations and flow, Appendix C, Influent Conditions of 91st Avenue WWTP 25-year Facilities Master Plan, December 2001.

Existing Collection System. The city's current master study of its sewerage system dates back to 1988. The study reviewed the existing collection system and identified a program of improvements for implementation through year 2010.

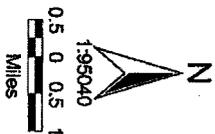
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LEGEND:

- Planning Area Boundary
- Existing Interceptor
- Future Interceptor
- Existing Lift Station
- Future Lift Station
- Existing Treatment Facility
- Future Treatment Facility
- Existing Reuse/Recharge
- Future Reuse/Recharge

Glendale Municipal Planning Area



Mariopa Association of Governments
 208 Water Quality Management Plan
 2002

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FIGURE 4.8

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The Glendale collection system serves the existing incorporated areas of the city and west to 115th Avenue. It currently is divided into two tributary areas, the North Area (north of Skunk Creek) and the South Area (the remainder of the existing system). The North Area approximately corresponds to RAZ 222. The West Area consists of RAZ 254 and 255. The South Area comprises the remainder of the incorporated areas.

Flows collected in the North Area are conveyed primarily by a gravity main to the Arrowhead Ranch Water Reclamation Facility (WRF). Flows from the South Area are collected by interceptors in 67th Avenue, 71st Avenue, Camelback Road, 83rd Avenue, and 99th Avenue. They are then conveyed to the 91st Avenue WWTP through interceptors in 83rd and 99th Avenues. The North Area has two existing pumping stations, and there are two lift stations in the South Area.

Existing Treatment Facilities. Glendale is a member of the Multi-City Subregional Operating Group (SROG) which owns the 91st Avenue Wastewater Treatment Plant. Currently, wastewater generated in the South Area of Glendale is split between the West Area Water Reclamation Facility (WAWRF) and the 91st Avenue WWTP. A lift station at 99th Avenue and Camelback Road diverts 4.3 mgd from the Camelback Interceptor sewer to the WAWRF. The remaining flow continues in the 99th Avenue Interceptor to the 91st Avenue WWTP. Glendale now owns 13.2 mgd of capacity at 91st Avenue.

The area north of Union Hills Drive in Glendale is served by the Arrowhead Ranch Water Reclamation Facility (WRF). The Arrowhead Ranch WRF has been expanded to its ultimate capacity and is a 4.5 mgd facility which includes activated sludge treatment using the bioreactor process, secondary clarifiers, effluent filtration and ultraviolet disinfection. Screenings and sludge are returned to the collection system and transported to the 91st Avenue WWTP. Effluent will be used for urban lakes and irrigation of golf courses, parks, common areas, and street rights-of-way. Excess effluent during winter months will be recharged up to 2.3 mgd.

The Glendale West Area Water Reclamation Facility (WRF) was placed into service in mid-2000. The WRF is fed by a force main from a diversion structure and lift station located on the Camelback Road Trunk Sewer east of 99th Avenue. The 4.3 mgd WAWRF includes screening, grit removal, extended air activated sludge and secondary sedimentation, filtration and ultraviolet (UV) disinfection. The effluent is pumped to an aquifer recharge site that includes recharge basins, vadose-zone recharge wells and seepage trenches. Reuses are to include irrigation of parks, golf courses, street rights-of-way, and other direct reuses within the West Area of the city. Solids are returned to the 99th Avenue interceptor for treatment at the 91st Avenue WWTP.

Desert Gardens Apartments (formerly named Desert Eagle Apartments) located in the western area, has a treatment facility with a design capacity of 52,500 gpd. American Public Service operates a 50,000-gpd WWTP at Casitas Bonitas. The Casitas Bonitas facility will

be shut down and flows within the Glendale MPA currently directed to this facility will be redirected to the Goodyear LPSCo system as identified in the 208 Plan Amendment for Goodyear/LPSCo. Both of these small treatment plants discharge effluent via seepage pits.

Future Wastewater System Development. A portion of the wastewater from the South Area will continue to be discharged to the SROG system. The Glendale West Area Water Reclamation Facility is planned to treat its ultimate capacity of 15 mgd of wastewater from the South Area. The first expansion of the WAWRF is planned within the 2002-2010 period.

The City of Glendale is firmly committed to maximizing the recharge and reuse of treated effluent. The city's goal is to reclaim up to 80 to 85 percent of the total wastewater flow for recharge or reuse.

Wastewater flow projections (annual average flow in mgd for each treatment plant service area) are presented in Table 4.20 based on flow projections from Table 4.19.

Year	SROG Facility (mgd)¹	ARWRF (mgd)²	WAWRF (mgd)²	Total Projected Flow
2000	14.75	2.63	2.33	19.71
2005	11.95	3.49	6.78	22.22
2010	4.96	4.30	14.52	23.78
2015	6.28	4.54	14.52	25.34
2020	7.84	4.54	14.52	26.90

¹ Annual average daily flows. Includes residuals from WRP.
² Annual average effluent flow (local WRP flow less residuals).

The sewerage master study identified a number of collection system improvements to be constructed, principally relief sewers 12 or 15 inches in diameter. The Ocotillo Road relief sewer will be 2.75 miles of 30-inch diameter sewer, required before year 2005.

A new wastewater treatment plant is planned for the Russell Ranch development on a site near Camelback Road and Citrus Road. The treatment facilities will consist of influent pumping and headworks, conventional extended aeration activated sludge with nitrogen removal, tertiary filtration, and UV disinfection. Capacity of the initial facility will be 0.06 mgd with ultimate capacity of 0.40 mgd. Effluent will be recharged or reused for landscape irrigation. Once the plant is constructed and operational, ownership will be taken over by Arizona American Water Company under the Arizona Corporation Commission.

Within the western portion of the Glendale MPA, Arizona American Water Company is planning a sewer service for an area called the Arizona American Water Company (AAWC) Service Area. The AAWC SA is defined on the north by Peoria Avenue, on the west by Perryville Road, on the south by Camelback Road, and on the east by Loop 303 and

Reems Road. A treatment plant of ultimate capacity of 8 mgd (annual average day) is planned to be constructed in phases to match rate of area development, with initial sizing to be 0.5 mgd. Although AAWC is still in the process of evaluating options to select the best location for the plant site within the service area, a possible location is in the northwest quadrant of Camelback Road and Loop 303. The AAWC Water Reclamation Plant is planned to ultimately serve as the regional plant and will replace the initial Russell Ranch WWTP facility, which will be decommissioned after the initial WRP startup and sewer connection is complete. The WRP will consist of process units including preliminary treatment, activated sludge, flow equalization, filtration, disinfection, sludge stabilization or anaerobic digestion, and gravity belt or belt press thickening. Effluent will be recharged or reused for landscape irrigation and sludge will be hauled to landfill.

A new wastewater treatment plant is planned for the Desert Gardens II Apartment Complex on Glendale Avenue west of 135th Avenue. The 60,000 gpd WWTP will consist of a sewage lift station, primary settling, extended aeration, denitrification, clarification, tertiary filtration and disinfection. Sludge disposal will be to State-approved landfill and effluent disposal will be through deep sewage pits. An Aquifer Protection Permit will be required.

Summary of Proposed Improvements

Capital improvements through the year 2010 are summarized below.

Item	Estimated Cost ¹
Glendale West Area WRP Expansion	\$20,000,000
SROG Treatment Plant Upgrades	\$28,300,000
Sewer Line Installation and Rehabilitation	\$18,600,000
New Reuse Lines	\$11,300,000
Total	\$78,200,000

¹ Costs are at current (June 2000) dollars, ENR = 6238.