



LOCAL AGENCY FORMATION COMMISSION OF NAPA COUNTY
Political Subdivision of the State of California

We Manage Government Boundaries, Evaluate Municipal Services, and Protect Agriculture

CONGRESS VALLEY WATER DISTRICT
MUNICIPAL SERVICE REVIEW AND SPHERE OF INFLUENCE UPDATE
Prepared in accordance with Government Code Sections 56425 and 56430

Revised Final Report
December 2017



LAFCO of Napa County
Overseeing the
logical formation and development
of cities and special districts.

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I. INTRODUCTION

A. Local Agency Formation Commissions

Local Agency Formation Commissions (LAFCOs) are political subdivisions of the State of California and are responsible for administering a section of Government Code known as the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000. LAFCOs are located in all 58 counties in California and delegated regulatory and planning responsibilities to coordinate the logical formation and development of local governmental agencies and their services while protecting agricultural and open space resources.

B. Municipal Service Reviews

As part of the aforementioned Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000, LAFCOs are required to prepare municipal service reviews in conjunction with updating each local agency's sphere of influence ("sphere") every five years as needed. The legislative intent of municipal service reviews is to inform LAFCOs with regard to the availability and sufficiency of governmental services provided within their respective jurisdictions prior to making sphere determinations. Municipal service reviews vary in scope and can focus on a particular agency, service, or geographic region. Municipal service reviews may also lead LAFCO to take other actions under its authority, such as initiating a reorganization involving two or more special districts. All municipal service reviews, however, must include written statements making determinations pursuant to Government Code (G.C.) Section 56340.

C. Sphere of Influence Updates

A central planning responsibility for LAFCO is the determination of a sphere for each city and special district under its jurisdiction. LAFCO establishes, amends, and updates spheres to designate the territory it believes represents the appropriate and probable future service area and jurisdictional boundary of the affected agency. All jurisdictional changes, such as annexations and detachments, as well as outside service extensions, must be consistent with the spheres of the affected local agencies with limited exceptions. In making a sphere determination, LAFCO must prepare written statements pursuant to G.C. Section 56425. The intent in preparing the written statements is to capture the legislative intent of the sphere determination with regard to coordinating the sensible development of each local agency consistent with the anticipated needs of the affected community.

D. Congress Valley Water District

This report represents LAFCO of Napa County's ("Commission") scheduled municipal service review and sphere update for the Congress Valley Water District (CVWD). The report is organized into two principal sections. The first section is an executive summary that includes determinations addressing the factors required for both the municipal service review and sphere update mandates. The second section provides a comprehensive review of CVWD in terms of its formation, population and growth, organizational structure, municipal service provision, and financial standing.

II. EXECUTIVE SUMMARY

A. Municipal Service Review

The municipal service review indicates CVWD has generally established adequate administrative, service, and financial capacities to provide an appropriate level of public water services within the unincorporated Congress Valley community. These capacities appear relatively sufficient to continue providing effective services in the near term based on local needs and conditions. Importantly, the adequacy of these capacities is predicated on CVWD's ability to maintain its current contractual relationship with the City of Napa, which currently provides the District's water supply. CVWD serves an important role in terms of providing reliable water service in support of existing rural residential and agricultural development in Congress Valley.

The following statements address the factors prescribed for consideration as part of the municipal service review process under G.C. Section 56430. These statements are based on information collected and analyzed in the agency review provided on pages 10 to 24.

1. Growth and population projections for the affected area.

- a) CVWD's permanent resident population growth rate over the next five years will generally remain extremely low with the addition of no more than five new residences. These assumptions suggest CVWD's permanent resident population growth rate will minimally increase relative to the previous five years, rising from 3.3% to 4.8%. The substantive result of these assumptions would be a permanent resident population of 261 by 2022.
- b) The County's General Plan Housing Element anticipates a growth rate correlated to the growth of jobs in Napa County. Recent public information provided by the Director of Planning, Building, and Environmental Services established that the County is well below projected housing growth rates. This fact indicates that there is an increasing disparity between planned and actual housing availability in the unincorporated areas. While there are some parcels within CVWD that do not currently contain developed housing units, there are not a significant number of such undeveloped parcels.
- c) CVWD's population density is estimated at 113 residents for every square mile. This amount represents 218% of the average density rate for all unincorporated lands. Comparatively, CVWD's population density represents only 3% of the average density rate for the adjacent incorporated community of the City of Napa. These density estimates suggest CVWD's population characteristics are significantly more aligned with unincorporated Napa County as opposed to the City of Napa.

2. The location and characteristics of any disadvantaged unincorporated communities within or contiguous to the sphere of influence.

- a) No disadvantaged unincorporated communities have been identified within or contiguous to CVWD's sphere.

3. Present and planned capacity of public facilities and adequacy of public services, including infrastructure needs or deficiencies.

- a) The City of Napa provides water supply on a contractual basis within the CVWD service area through 2022. CVWD's water distribution system has been improved to the City of Napa's standards in recent years. The City of Napa's sources of water supply are sufficient to continue to provide service to CVWD's service area and other areas served by the City of Napa.
- b) The Water Supply Contract anticipated that certain areas outside CVWD's sphere would be served by the District. The intended service area is depicted on the map attached to the Water Supply Contract. Based on recent water demands, there is sufficient water supply available to serve all properties located within the Water Supply Contract, including existing and anticipated development.
- c) The Buhman Avenue Study Area has a present need for water service. Adding all or portions of the Buhman Avenue Study Area to CVWD's sphere would allow for annexations and future connections to the District's public water distribution system. Connecting to the water system would likely require a looped water supply system that would enhance system reliability as well as provide the ability to improve and maintain water quality in the southern portion of the service area.
- d) The portion of the Old Sonoma Road Study Area comprising the Carneros Resort and Spa, Carneros Cottages, and Carneros Homes has a present need for water service. Adding these properties to CVWD's sphere may not be feasible based on the Commission's adopted policies due to the designation of the land as agricultural. Any extension of water service under G.C. Section 56133.5 would need to be authorized by the Commission as a separate action in response to a formal request in accordance with G.C. Section 56133.5.

4. Financial ability of agencies to provide services.

- a) Effective January 1, 2018, the water rate charged by the City of Napa within CVWD will be equal to the City of Napa's rate for customers located outside the City of Napa's jurisdictional boundary. Despite this increased charge by the City of Napa, the water rates will remain sufficient to support CVWD's operating expenditures into the immediate future.
- b) CVWD has finished each of the last five fiscal years with operating surpluses reflecting a strong and balanced financial structure. The 2013-2014 fiscal year marked the largest end-of-year surplus at \$59,501.

5. Status and opportunities for shared facilities.

- a) CVWD and the City of Napa each own a water system. The terms of their existing Water Supply Contract, as amended, governs their relationship with respect to their water systems.

6. Accountability for community service needs, including governmental structure and operational efficiencies.

- a) The City of Napa provides water service within CVWD. There are no alternative sources of potable public water service currently available to CVWD. Provision of water service within CVWD's jurisdictional boundary is governed by the terms of the Water Supply Contract between CVWD and the City of Napa. Like all other water customers in unincorporated areas served by the City of Napa, CVWD residents are not eligible to run for office or vote in elections in the City of Napa. The CVWD governing board can work with the City of Napa as a locally elected organization on behalf of its residents on an advocacy basis.
- b) The primary function of CVWD, and the cause for its formation in 1949, was to provide water service to an area of known groundwater deficiency. The existing Water Supply Contract between the City of Napa and CVWD, developed in the late 1980's and amended in 2017, provides water supply availability for the area envisioned by the then Board of Directors of CVWD. As local residents, CVWD's Board has a unique perspective with respect to the needs of their community. The Water Supply Contract service area was established in the current configuration based on these community needs.
- c) CVWD does not currently have a website. CVWD should consider developing a website that would include meeting agendas, minutes, Board of Directors information, Board meeting details, annual budgets, and basic financial statements.
- d) As set forth in the First Amendment to the Water Supply Contract, CVWD, the City of Napa, the County of Napa, and LAFCO should convene no later than 2020 for purposes of determining the appropriate long-term service arrangement for the Congress Valley community. This includes determining whether it would be appropriate for CVWD to initiate dissolution proceedings and transition formal service responsibility to the City of Napa.

7. Relationship with regional growth goals and policies.

- a) Special districts have no authority over land use and hence no direct participation on the policy level that would connect the activities of CVWD with regional growth.

B. Sphere of Influence Update

G.C. Section 56425 requires the Commission to review and update each local agency's sphere every five years as needed. It has been the practice of the Commission to review and update each local agency's sphere in a manner that emphasizes a probable five-year service area. Based on information identified and evaluated in this report, one change to CVWD's sphere appears warranted. The recommended change involves the removal of approximately 10.6 acres of non-jurisdictional lands identified in this report as the Southeast Study Area. This recommended sphere update is supported by the following statements.

1. Present and planned land uses in the area, including agricultural and open-space lands.

- a) The County of Napa General Plan designates all lands within CVWD's sphere as *Agriculture, Watershed and Open Space*. The County has zoned all lands within CVWD's sphere as *Agricultural Watershed*. These designations are consistent with the present and planned land uses in CVWD's sphere.

2. Present and probable need for public facilities and services in the area.

- a) Lands with CVWD's existing sphere currently receive a rural residential level of public water service from the District. The probable need for new public water service includes two distinct categories. First, lands located within CVWD's sphere and outside the District's jurisdictional boundary are expected to eventually annex and connect to the water distribution system. Second, certain lands located outside CVWD's sphere need public water service to supplement or replace existing groundwater supplies that are deficient.
- b) Lands within CVWD's sphere currently receive a rural level of public services from the County of Napa. These services include law enforcement, fire protection, and road maintenance, and are considered adequate to meet the needs of the area. There are no existing plans to extend an urban level of other public services into CVWD. However, additional services that CVWD could potentially provide in the future include sewage collection and disposal, fire protection, emergency medical, storm drainage, land reclamation, and hydroelectric power generation and transmission. These additional services are currently latent and would require Commission approval to activate. CVWD currently does not have any plans or the capacity to supply such services.

3. Present capacity of public facilities and adequacy of public services that the agency provides or is authorized to provide.

- a) CVWD presently provides public water service to the majority of lands within its sphere. CVWD has established adequate service capacities and administrative controls to continue to provide and/or extend new water services within its sphere without constructing significant infrastructure or impacting service to existing customers.

4. The existence of any social or economic communities of interest in the area if the commission determines that they are relevant to the agency.

- a) Lands within CVWD's sphere are part of a distinct community separated from the City of Napa by hills to the north and east. The area shares similar social, economic, geographic, and land use characteristics with the Carneros region located south of the Sonoma Highway. Lands within CVWD's sphere include similar agricultural and rural residential land uses that strengthen communities of interests with the District.

5. The present and probable need for public water service of any disadvantaged unincorporated communities within the existing sphere.

- a) No disadvantaged unincorporated communities have been identified within or contiguous to CVWD's sphere.

III. AGENCY REVIEW

1.0 Agency Profile

District Name:	Congress Valley Water District
Type of District:	County Water District
Principal Act:	CA Water Code Section 30000 (County Water District Act)
Functions/Services:	Agricultural and residential water service
Main Office:	None
Website:	None
District Secretary:	Kiersten Bjorkman
Email:	kierstenlarae@yahoo.com
Phone No.:	(707) 256-0344
Governing Body:	Five Member Board (registered resident-voter system)
Meeting Schedule:	Second Monday of every month at 5:30 p.m.
Meeting Location:	Napa County Land Trust 1700 Soscol Avenue, #20 Napa, CA 94559
Date of Formation:	1949
Principal County:	Napa County
District Boundary:	1,398 acres
District Sphere:	1,580 acres
2016-2017 Budget:	\$112,600
District Board Members:	Roland Cavanagh Cindy Colo Jeanine Layland Ginger Lee Peter Edridge

2.0 Overview

CVWD was formed in 1949 and provides water service through an agreement (“Water Supply Contract” or “the contract”) with the City of Napa (“the City”) to the unincorporated community of Congress Valley; an agricultural and rural residential area located immediately west of the City. CVWD’s formation was directly followed by the City agreeing to provide annual water supplies so long as the District constructed its own distribution system with an intertie to the City. CVWD is an independent special district governed by five elected members residing within the District. Staffing services are limited to one part-time secretary. CVWD’s jurisdictional boundary includes 1,398 acres of unincorporated lands with an estimated resident service population of 249. The adopted operating budget for 2016-2017 is \$112,600 with an unrestricted fund balance of \$704,108 as of June 30, 2016.

2.1 Water Supply Contract

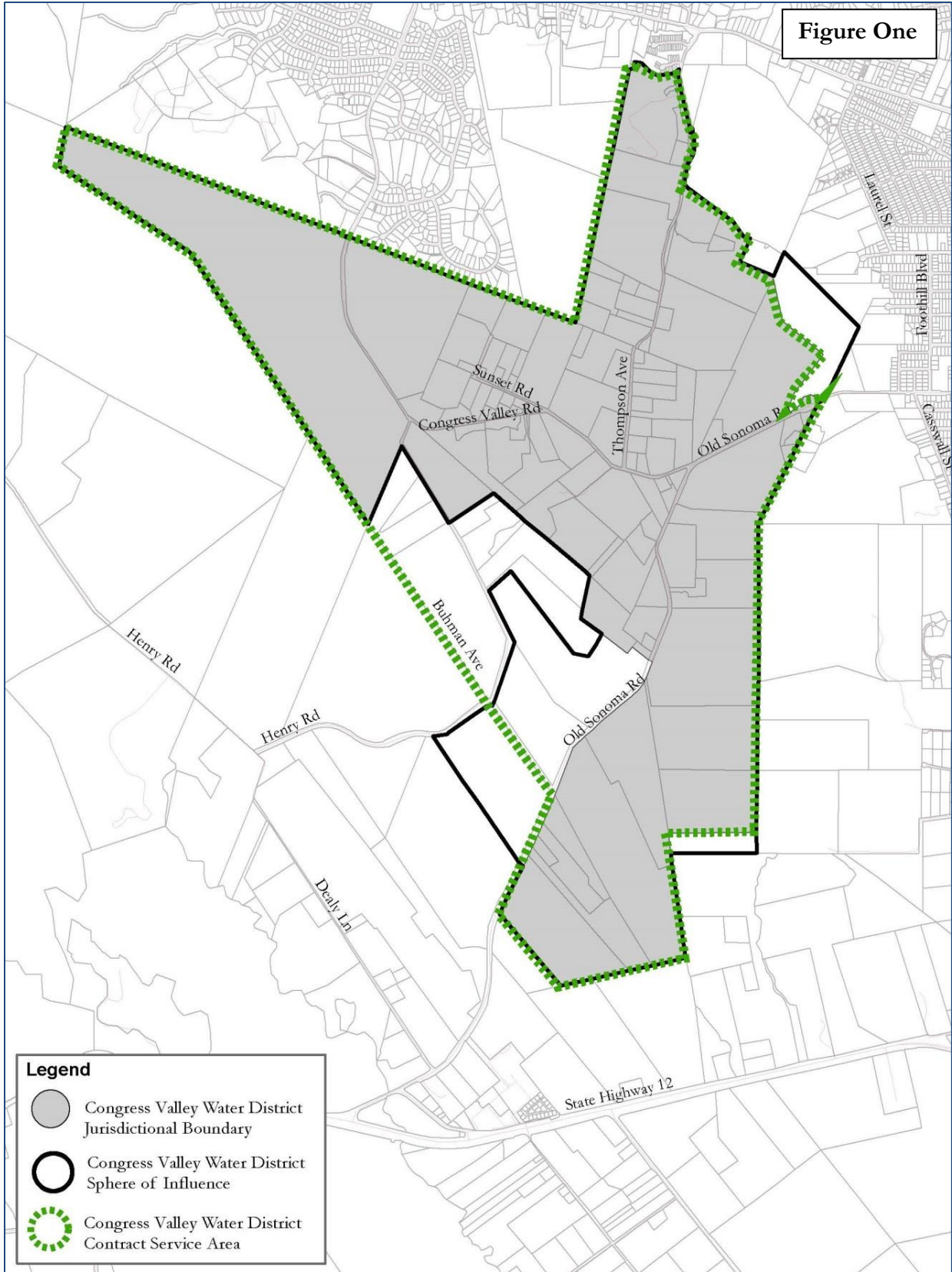
CVWD’s existing Water Supply Contract with the City was finalized in 1987 and coincided with a water distribution system upgrade that was completed in 1989.¹ The contract, which was amended by both parties in May 2017, provides CVWD with an annual allocation of 100 acre-feet of potable water through July 1, 2022, while limiting service to no more than 140 service connections to parcels of legal record at the time the contract was initiated. Water service may only be provided for domestic, agricultural, and winery purposes. The City agrees to charge CVWD a water usage fee concurrent with its rate for outside-city customers.² The City is responsible for the complete operation, maintenance, and eventual replacement of the distribution system as well as direct billing to CVWD customers. The contract specifies, no later than July 1, 2020 (two years prior to the termination of the contract), CVWD shall initiate and facilitate discussions with the City, LAFCO, the County, and others as appropriate to establish a transition plan for the ongoing provision of water service to the properties within the District. Given LAFCO’s schedule for Municipal Service Reviews, it is unlikely that another MSR will be completed prior to those discussions. For that reason, Section 6.5 below includes a discussion of the potential impacts should water service be transitioned to the City, and should CVWD dissolve.

3.0 Adopted Boundaries

CVWD’s adopted boundaries include the District’s jurisdictional boundary, sphere, and service area as defined in its contract with the City. Lands located within these boundaries generally share common economic and social interdependencies that are distinct from the City. Unincorporated lands within CVWD are primarily characterized by agricultural and rural residential uses. Lands to the immediate north of CVWD are incorporated and under the land use authority of the City. These incorporated lands include moderately dense residential uses in the “Browns Valley” neighborhood of the City. The City’s adopted growth boundary, the rural urban limit line, does not include any lands located in CVWD’s boundaries. CVWD’s jurisdictional boundary, sphere, and Water Supply Contract service area are depicted in Figure One on page 12 and summarized below.

¹ The Water Supply Contract between CVWD and the City as amended is included as Appendix A.

² CVWD applied a surcharge on water sales between 1987 and 1998. The District ended this practice following a recommendation by an outside consultant that it amend its rate schedule to be identical to the rate charged by the City to its inside-city customers. The consultant’s recommendation was prompted by a Napa County Grand Jury report highlighting the discrepancy between the two agencies’ water rates. As part of the contract amendments in 2017, the water rate will increase effective January 1, 2018, to be identical to the rate charged by the City to outside-city customers.



3.1 Jurisdictional Boundary

CVWD’s jurisdictional boundary is 2.2 square miles or 1,398 acres in size and includes 113 total assessor parcels. The Commission has approved only one boundary change to CVWD since 1963 involving the addition of 11.5 unincorporated acres; an amount representing less than one percent of the current jurisdictional boundary. This lone annexation occurred in 2010 and involved a developed lot located off of Old Sonoma Road.

CVWD Jurisdictional Boundary	
(Source: Napa LAFCO)	
Total Jurisdictional Acreage.....	1,398
Total Jurisdictional Parcels.....	113

3.2 Sphere of Influence

CVWD’s sphere was adopted by the Commission in 1985. The original sphere spanned 1.7 square miles or 1,090 acres and was the result of the Commission emphasizing three planning factors: service obligations, projected distribution system capacity, and need for future service.³ The Commission adopted its first comprehensive update to CVWD’s sphere in 2008.⁴ This update resulted in an expansion of CVWD’s sphere totaling 491 acres that comprised two distinct areas. The first area – approximately 316 acres in size – consisted of lands already within CVWD’s jurisdictional boundary that had been previously excluded from the sphere due to the capacity limitations associated with the District’s old distribution system.⁵ The second area – approximately 175 acres in size – consisted of lands outside CVWD’s jurisdictional boundary and directly adjacent to the distribution system.⁶ CVWD’s current sphere remains entirely unchanged from the 2008 update and presently encompasses 2.5 square miles or 1,580 acres and includes 118 total assessor parcels. Of this amount, there are four entire non-jurisdictional parcels and one portion of a non-jurisdictional parcel totaling 183 acres currently within the sphere that are eligible for annexation.

CVWD Sphere of Influence	
(Source: Napa LAFCO)	
Total Sphere Acreage.....	1,581
Total Sphere Parcels.....	118

³ The original sphere included all jurisdictional lands with the exception of two parcels located at the western and southern border of CVWD, which were determined to be outside the range and capacity of the distribution system as it existed at that time. Certain parcels outside CVWD were also included based on their close proximity to the distribution system.

⁴ The Commission approved one sphere amendment prior to the 2008 update, but it was later terminated. The approval was made in 1995 and involved two parcels located on the northeast side of Buhman Avenue south of its intersection with Congress Valley Road. Approval was conditioned on the affected property owners entering into an outside service agreement with CVWD. The outside service agreement was not executed within the one year deadline established by the Commission and the amendment was therefore terminated.

⁵ As part of the sphere update in 2008, the Commission added a 10.6-acre portion of a parcel to CVWD’s sphere that was believed to be included in the District’s jurisdictional boundary. Staff has recently confirmed this portion of the parcel is not included in the tax rate area assigned to CVWD. Further, State Board of Equalization records indicate this portion of the parcel is located outside the District’s jurisdictional boundary.

⁶ All but 37 acres included in the second area added to the sphere were also included in the “service area” established as part of CVWD’s Water Supply Contract with the City in 1987. Accordingly, the Commission also took action as part of the update to formally encourage CVWD and the City to review the contract and consider amending the defined service area to include the addition of the affected 37 acres.

3.3 Water Supply Contract Service Area

The primary function of CVWD, and the cause for its formation over half a century ago, was to provide water service to an area of known groundwater deficiency. The Water Supply Contract between the City of Napa and CVWD, developed in the late 1980's, provided water supply availability for the area envisioned by the then Board of Directors of the CVWD. As local residents, CVWD's Board had a unique perspective with respect to the needs of their community. The Water Supply Contract service area was established in the current configuration based on these community needs.

CVWD's Water Supply Contract with the City includes a service area that is distinct from the District's jurisdictional boundary and sphere. The contract service area presently encompasses 2.5 square miles or 1,620 acres and includes 124 total assessor parcels. Of this amount, there are a total of nine parcels located near Buhman Avenue that are currently outside CVWD's boundary and sphere. However, these nine parcels are ineligible for annexation given that they are located outside CVWD's sphere. Further, there are two entire parcels and a portion of a third parcel collectively totaling 92.8 acres currently within the sphere that are located outside the contract service area; all of which were added to the sphere as part of the comprehensive update in 2008. There have been no changes to the service area since it was originally included in the Water Supply Contract.

CVWD/City of Napa Contract Service Area

(Source: Napa LAFCO)

Total Contract Service Area Acreage.....	1,620
Total Contract Service Area Parcels.....	124

3.4 Land Use Authority

Current land uses within CVWD include agriculture (i.e. pasture and vineyards), single-family residences, and wineries. Congress Valley is under the land use authority of the County of Napa, which has designated all lands within CVWD's boundary, sphere, and Water Supply Contract service area as *Agriculture, Watershed, and Open Space*, which requires a minimum parcel size of 160 acres. Further, the County has assigned an *Agricultural Watershed* zoning within the entire area. Notable land use allowances based on these land use regulations without requiring a permit from the County include the following:

- Agriculture
- One single-family dwelling unit per legal lot
- One second unit either attached to, or detached from, an existing legal residential dwelling unit
- One guest cottage
- Wineries and related accessory uses and structures which legally existed prior to July 31, 1974

4.0 Population and Growth

4.1 Population Trends

CVWD’s current resident population is estimated at 249 based on the total number of residential units within the District coupled with household population data published by the California Department of Finance for unincorporated Napa County. The overall resident population within CVWD has risen by 3.3% over the last five years, representing an annual 0.6% population increase. The following table depicts resident population estimates for CVWD over the last five years.

CVWD Resident Population Estimates (CA Department of Finance)					
2013	2014	2015	2016	2017	Trend
241	243	245	247	249	3.3%

The County’s General Plan Housing Element anticipates a growth rate correlated to the growth of jobs in Napa County. In its 2016 Annual Housing Element Progress Report submitted to the California Department of Housing and Community Development, the County reports it has issued permits for a total of 107 housing units during the 2015-2023 Regional Housing Needs Allocation cycle.⁷ While there are some parcels within CVWD that do not currently contain developed housing units, there are not a significant number of such undeveloped parcels. With this in mind, and for purposes of this review, it is reasonable to assume CVWD’s resident population growth rate over the next five years will remain low with the addition of approximately one new single-family residence per year. These assumptions suggest CVWD’s resident population growth rate will minimally increase relative to the previous five years, rising from 3.3% to 3.6%. These projections represent an annual 0.7% population increase over the next five years. The substantive result of these projections would be a resident population of 261 by 2022.

Projected CVWD Population Growth (Napa LAFCO)					
2018	2019	2020	2021	2022	Projected Trend
251	254	256	259	261	3.6%

⁷ The Association of Bay Area Governments issued a 2015-2023 Regional Housing Needs Allocation (RHNA) of 180 total residential units for the County of Napa. Actual permits issued represent 59.4% of the RHNA amount.

4.2 Population Density

CVWD’s population density is estimated at 113 residents for every square mile. This amount represents 218% of the average density rate for all unincorporated lands. Comparatively, CVWD’s population density represents only 3% of the average density rate for the adjacent incorporated community of the City of Napa. These density estimates suggest CVWD’s population characteristics are significantly more aligned with unincorporated Napa County as opposed to the City.

Population Density (CA Department of Finance / Napa LAFCO)			
Category	Population	Land Area (Square Miles)	Density (Pop. / Sq. Mi.)
CVWD	249	2.2	113.2
Unincorporated Napa County	26,907	756.8	35.6
City of Napa	80,576	18.2	4,427.3

5.0 Organizational Structure

5.1 Governance

CVWD’s governance authority is provided under California Water Code, Division 12, Section 30000 – the County Water District Act (“principal act”). CVWD has been governed since its formation in 1949 by a five-member Board whom are elected at large or appointed in lieu of candidate filings by the County Board of Supervisors. All Board members serve staggered four year terms with a President and Vice President annually selected among peers. CVWD elections are based on a registered resident-voter system. The principal act specifies operations can be financed through user charges, general taxes, and voter-approved assessments. Regular meetings are held on the second Monday of each month at 5:30 P.M. at the Napa County Land Trust’s Administrative Office.

5.2 Administration

CVWD appoints an at-will and part-time District Secretary to oversee all agency activities, including providing accounting services and coordinating service requests with the City of Napa. The current District Secretary – Kiersten Bjorkman – operates out of a home office. Legal services are provided by Coombs and Dunlap, LLP.

6.0 Municipal Services

CVWD provides one active service at this time: domestic water service. The following analysis focuses on evaluating the authority, availability, demand, and performance of CVWD’s water services relative to the Commission’s assessment of current and anticipated community needs.

6.1 Authorized Services

CVWD’s active municipal service provision is currently limited to any act necessary to furnish sufficient water in the District for any present or future beneficial use, including the storage, conservation, and operation of water works (Water Code Sections 31020-31022). All other municipal services that CVWD is authorized to provide pursuant to the principal act are latent and would require Commission approval to activate. The following municipal services are currently latent:

- The collection, treatment, and disposal of sewage, waste, and storm water
- Drain and reclaim lands within the district for any beneficial use
- Provide fire protection authorized under the Fire Protection Law of 1987
- Construct, maintain, or operate works or facilities for recreational activities
- Acquire, construct, or operate facilities for the collection and disposal of garbage and waste
- Construct, maintain, or operate hydroelectric power plants

6.2 Water Services

CVWD provides water services by way of a contract arrangement with the City of Napa for water supplies and delivery. It is estimated CVWD currently serves an overall permanent resident population of 249.

Water Supply

CVWD’s water supply is generated from the supply of the City of Napa. Pursuant to its Water Supply Contract with Napa, the District is annually allocated 100 acre-feet of potable water through July 1, 2022. Napa’s water supply is commingled between three sources: Lake Hennessey, Milliken Reservoir, and the State Water Project.

CVWD’s Available Water Supplies				
Amounts Shown in Acre-Feet (Source: Napa Water Division)				
Water Source	Maximum (Assumes 100%)	Normal (Assumes 59%)	Multiple Dry Year (Assumes 38%)	Single Dry Year (Assumes 26%)
City of Napa	100	59	38	26

Treatment Facilities

CVWD does not own, lease, or operate treatment facilities. Water delivered to CVWD is treated by the City. The City provides treatment of raw water drawn from its three surface sources at separate facilities; all of which are entirely owned and operated by the City and connected through a common distribution system. The three water treatment plants’ combined maximum daily output totals 44 million gallons or 135 acre-feet.

Distribution System and Storage Facilities

CVWD’s distribution system receives and delivers potable water generated from the City’s distribution system. CVWD’s system consists of 8 to 12-inch water lines that are served by three connection points to the City’s water distribution system at Old Sonoma Road, Thompson Road, and Stonebridge Drive/Sunset Road. CVWD is located within Napa’s “Browns Valley – Zone Four” in which water supply and pressure is served by the City’s 1.0 million gallon storage capacity B-Tank.

Service Connections

CVWD currently reports there are 99 active connections to the water system. Total connections have increased by three percent over the last five calendar years. The following table summarizes recent and current service connections.

Trend in Napa’s Water Connections					
(Source: Napa Water Division)					
2012	2013	2014	2015	2016	Trend
96	96	97	98	99	3.1%

Recent Water Demands

CVWD currently provides water service to 99 total connections. Of this amount, 92 connections are residential and seven connections are agricultural. CVWD reports its current total water demand for the last completed calendar year was 42.4 acre-feet. This amount marks a 10.1 acre-foot decrease in annual demand over the last five years and represents an overall 19% water savings.⁸ The reduction in water demands appears to be attributable to the City’s water conservation and rebate programs that are also directly applicable to CVWD customers.⁹ Similar to trends in annual water demand, peak day usage has also decreased over the last five years from 0.29 to 0.23 acre-feet with the ratio between peak day and average day demand remaining constant at two-to-one. The following table summarizes recent trends in water demands over the last five years.

Recent Trends in CVWD Water Demands						
Amounts Shown in Acre-Feet						
(Source: Napa Water Division)						
Category	2012	2013	2014	2015	2016	Trends
Annual	52.5	61.6	56.4	46.3	42.4	(19.2%)
Average Day	0.14	0.17	0.15	0.13	0.12	(19.2%)
Average per Capita	0.22	0.25	0.23	0.19	0.17	(22.7%)
Peak Day	0.29	0.34	0.29	0.25	0.23	(19.2%)

⁸ The five-year average annual water demand was 51.8 acre-feet.

⁹ Pursuant to the Water Supply Contract, CVWD agrees to enact and enforce water conservation programs substantially equivalent in effect to such water conservation programs adopted by Napa.

Projected Water Demands

With respect to projecting future demands, and based on the preceding analysis, a reasonable and conservative assumption is to project CVWD’s water demand increasing by 0.7% annually over the next five years. This projection directly corresponds with the amount of new permanent resident population growth anticipated within CVWD and assumes the current ratio between peak day and average day demands will remain constant at two-to-one. The results of these assumptions would be a total annual water demand of 43.9 acre-feet with a peak day demand of 0.24 acre-feet in 2021. The following table summarizes projected water demands over the next five years.

Projected CVWD Water Demands						
Amounts Shown in Acre-Feet (Source: Napa LAFCO)						
Category	2017	2018	2019	2020	2021	Trends
Annual	42.7	43.0	43.3	43.6	43.9	2.8%
Average Day	0.12	0.12	0.12	0.12	0.12	2.8%
Average per Capita	0.17	0.17	0.17	0.17	0.17	(1.7%)
Peak Day	0.23	0.24	0.24	0.24	0.24	2.8%

6.3 Service Needs and Deficiencies

All properties within CVWD with existing water service connections are adequately served based on the previous discussion of available supply, current and future demands, and capacity. However, certain properties located within close proximity of CVWD but outside the District’s sphere have communicated a need for water service. The present need for public water service involving existing land uses near CVWD is further discussed in the sphere update section of this report.

Additionally, and with respect to service needs and deficiencies, no disadvantaged unincorporated communities have been identified within or contiguous to CVWD’s jurisdictional boundary or sphere based on available median household income data provided by the United States Census Bureau.

6.4 Alternative Service Providers

CVWD is located within close proximity to two public water service providers – the City of Napa and the Los Carneros Water District (LCWD). A map depicting the jurisdictional boundaries and spheres of influence for CVWD, the City, and LCWD is included as Figure Two on page 21. A brief summary for each alternative service provider follows.

City of Napa

The City provides a full range of public water services including storage, treatment, and distribution to lands within its jurisdictional boundary as well as to certain lands outside the City’s boundary, as described in the Commission’s Central County Region Municipal Service Review (MSR) adopted in 2014. The Central County Region MSR demonstrates that the City’s administrative controls, as well as public water supplies and capacities, are adequate to meet current and projected demands under normal and multiple dry year conditions into the foreseeable future.¹⁰

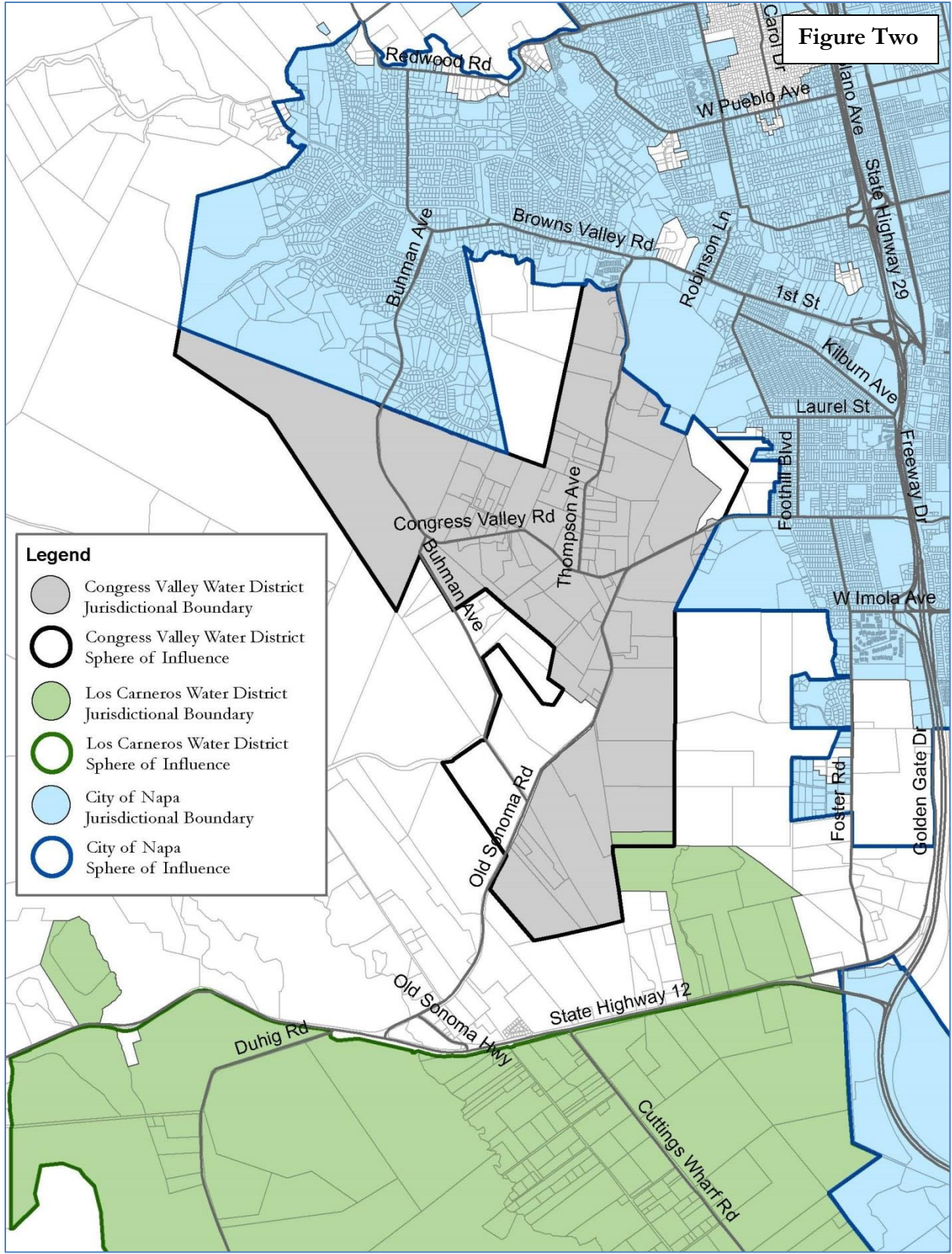
Los Carneros Water District

LCWD was formed in 1978 for the purpose of facilitating an agreement with the Napa Sanitation District (NSD) for the delivery of reclaimed water for agricultural use. The Commission’s most recent Municipal Service Review and Sphere of Influence Update for LCWD was adopted in 2016 and reflects that the agreement between LCWD and NSD provides approximately 1,300 acre-feet of tertiary treated reclaimed water from NSD’s wastewater treatment plant to LCWD customers annually.¹¹

There are two other public agencies empowered to provide water service whose jurisdictions overlap that of CVWD: the Napa County Flood Control and Water Conservation District and Napa County Resource Conservation District. Both of these agencies have elected not to offer water service, and have expressed no intentions of doing so in the foreseeable future.

¹⁰ The Central County Region Municipal Service Review adopted in 2014 can be viewed at http://www.napa.lafco.ca.gov/uploads/documents/MSR_CentralCounty_FinalReport_2014.pdf.

¹¹ The Municipal Service Review and Sphere of Influence Update for LCWD adopted in 2016 can be viewed at http://www.napa.lafco.ca.gov/uploads/documents/LCWD_MSR-SOI_2016.pdf.



6.5 Organizational Alternatives

In the 2014 Municipal Service Review on the Central County Region, LAFCO noted that the service agreement between CVWD and the City of Napa at that time specified that CVWD would voluntarily dissolve and turn over all assets to the City at the conclusion of the agreement in 2017. As noted in Section 2.1 of this report, that agreement was extended through July 1, 2022 with a new requirement that the parties initiate and facilitate discussions involving the City, LAFCO, the County, and others as appropriate to establish a transition plan for the ongoing provision of water service to the properties within CVWD. The plan may include some combination of CVWD initiating dissolution proceedings, the City otherwise taking over the District's water service responsibilities, a longer term commitment by the District to continue providing water service, or another option mutually agreeable by the City and the District.

The City is responsible for providing retail water services to the majority of lands within its incorporated boundary. The City also provides water service to select unincorporated properties as far north as Rutherford, east to Silverado Trail, west to Old Sonoma Road, and south to Soscol Ridge. These unincorporated customers were generally granted water service in exchange for easements in the 1920s for the construction of Napa's first transmission line (Milliken) and during construction of the other two transmission lines – Conn and Jameson – later in the century before becoming restricted to the City's jurisdiction and contractual obligations by the 1980s.

The 2014 Central County Region MSR notes dissolution of CVWD would be problematic given that, based on state law at the time, the City would have lacked a legal basis for continuing provision of water service to District customers. However, since the Central County Region MSR was adopted in 2014, the California legislature has adopted a pilot program, under which LAFCO could authorize the City to extend its water service to the properties already receiving water service from CVWD through an outside service agreement. This pilot program expires January 1, 2021, unless it is extended through future legislation.

As noted in Section 6.4 of this report, the 2014 MSR determines the City's existing water supplies appear collectively reliable in meeting Napa's current and projected annual usage demands under normal and multiple dry year conditions. Further, the 2014 MSR determines the City has been effective in establishing and managing diversified sources of potable water supplies that provide the City with multiple sources of supply to accommodate demands.

7.0 Financial

7.1 Assets, Liabilities, and Equity

CVWD contracts with a private consulting firm to prepare an annual report following the end of each fiscal year summarizing the agency’s overall financial standing. The most recent report was prepared by Charles W. Pillon and includes audited financial statements identifying CVWD’s assets, liabilities, and net position as of June 30, 2016. These audited financial statements provide quantitative measurements in assessing CVWD’s short and long-term fiscal health and are summarized below.

Assets

CVWD’s assets at the end of the 2015-2016 fiscal year totaled \$1.40 million. Assets classified as current with the expectation they could be liquidated into currency within a year represented four-fifths of the total amount with the majority tied to cash and investments.¹² Assets classified as non-current represented the remaining amount with the largest portion associated with depreciable capital assets.¹³

Category	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Current Assets	\$907,337	\$953,636	\$1,017,045	\$1,065,126	\$1,128,081
Non-Current Assets	\$366,393	\$342,639	\$319,165	\$295,690	\$272,215
Total Assets	\$1,273,730	\$1,296,275	\$1,336,210	\$1,360,816	\$1,400,296

Liabilities

CVWD’s liabilities at the end of the 2015-2016 fiscal year totaled \$0.05 million. Current liabilities representing obligations owed within a year accounted for two-fifths of the total amount and primarily tied to debt payments due within the fiscal year. Non-current liabilities accounted for the remaining amount and are entirely tied to long-term debt.

Category	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Current Liabilities	\$19,088	\$20,343	\$20,018	\$21,223	\$21,784
Non-Current Liabilities	\$110,489	\$91,881	\$72,640	\$52,750	\$32,175
Total Liabilities	\$129,577	\$112,224	\$92,658	\$73,973	\$53,959

Equity

CVWD’s equity, or net assets, at the end of the 2015-2016 fiscal year totaled \$1.35 million and represents the difference between the District’s total assets and liabilities. The end of year equity amount incorporates a \$0.94 million balance in unrestricted funds. This unrestricted fund balance is partially attributed to a 6% increase in CVWD’s cash in treasury over the last fiscal year.

Category	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Capital Assets Funds	\$234,695	\$229,479	\$225,146	\$221,445	\$218,393
Restricted Funds	\$221,392	\$208,940	\$196,487	\$203,925	\$192,158
Unrestricted Funds	\$688,066	\$745,632	\$821,919	\$861,473	\$935,786
Total Net Position	\$1,144,153	\$1,184,051	\$1,243,552	\$1,286,843	\$1,346,337

¹² Current assets include cash in treasury (\$1,095,972), taxes receivable (\$10,138), prepaid insurance (\$1,396), and restricted asset – cash – debt service (\$20,575).

¹³ Non-current assets include depreciable assets (\$271,143), and loan administration costs (\$1,072).

CVWD’s financial statements for 2015-2016 reflect a positive change in its fiscal standing as its overall equity, or fund balance, increased by 4.6%. This increase in the overall fund balance is directly attributed to consistent increases in current assets paired with reductions in long-term liabilities over each of the last five years. No significant deficiencies or material weaknesses were identified with respect to CVWD’s financial statements.

Calculations performed assessing CVWD’s liquidity, capital, and profitability indicate the District finished 2015-2016 with sufficient resources to remain operational into the foreseeable future. Specifically, short-term liquidity remained high given CVWD finished the fiscal year with sufficient current assets to cover its current liabilities nearly 52-to-one.¹⁴ CVWD finished the fiscal year with minimal long-term debt as its net assets exceeded its non-current liabilities by a ratio of 42-to-one, reflecting a strong capital structure. An expanded discussion on revenues-to-expenses is provided in the following section.

7.2 Revenue and Expense Trends

A review of CVWD’s available audited revenues and expenses shows the District has finished each of the last five fiscal years with surpluses. CVWD finished the 2015-2016 fiscal year with a positive operating margin as revenues exceeded expenses by a ratio of 2.6-to-one. The 2013-2014 fiscal year marked the largest end-of-year surplus at \$59,501. The 2012-2013 fiscal year marked the smallest end-of-year surplus at \$39,898.

Category	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Revenues	\$87,964	\$84,880	\$99,310	\$85,683	\$97,171
Expenses	\$40,792	\$44,982	\$39,809	\$42,392	\$37,677
Difference	\$47,172	\$39,898	\$59,501	\$43,291	\$59,494

7.3 Adopted Budget

CVWD operates as an enterprise fund with user charges and other related customer fees explicitly intended to cover 100% of all operating costs. CVWD’s adopted budget for the 2016-2017 fiscal year includes \$112,600 in total operating expenses. Budgeted operating expenses have increased by 145% over the last five fiscal years – an increase that is attributed to a \$45,000 increase in professional legal services. Total revenues are budgeted at \$81,498 and primarily expected to be drawn from property tax proceeds. Water capacity (i.e. connection) fees represent the second largest revenue source for CVWD accounting for \$7,683 or 9.4% of the total budgeted amount. The following table depicts CVWD’s budgeted revenues and expenses in each of the last five years.

Category	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Budgeted Revenues	\$78,825	\$78,815	\$75,315	\$77,998	\$81,498
Budgeted Expenses	\$46,000	\$71,100	\$63,700	\$64,700	\$112,600
Difference	\$32,825	\$7,715	\$11,615	\$13,298	(\$31,102)

¹⁴ CVWD also finished with cash reserves sufficient to cover 8.3 years of operating expenses based on the District’s most recent adopted budget.

IV. SPHERE OF INFLUENCE UPDATE

A. Study Areas

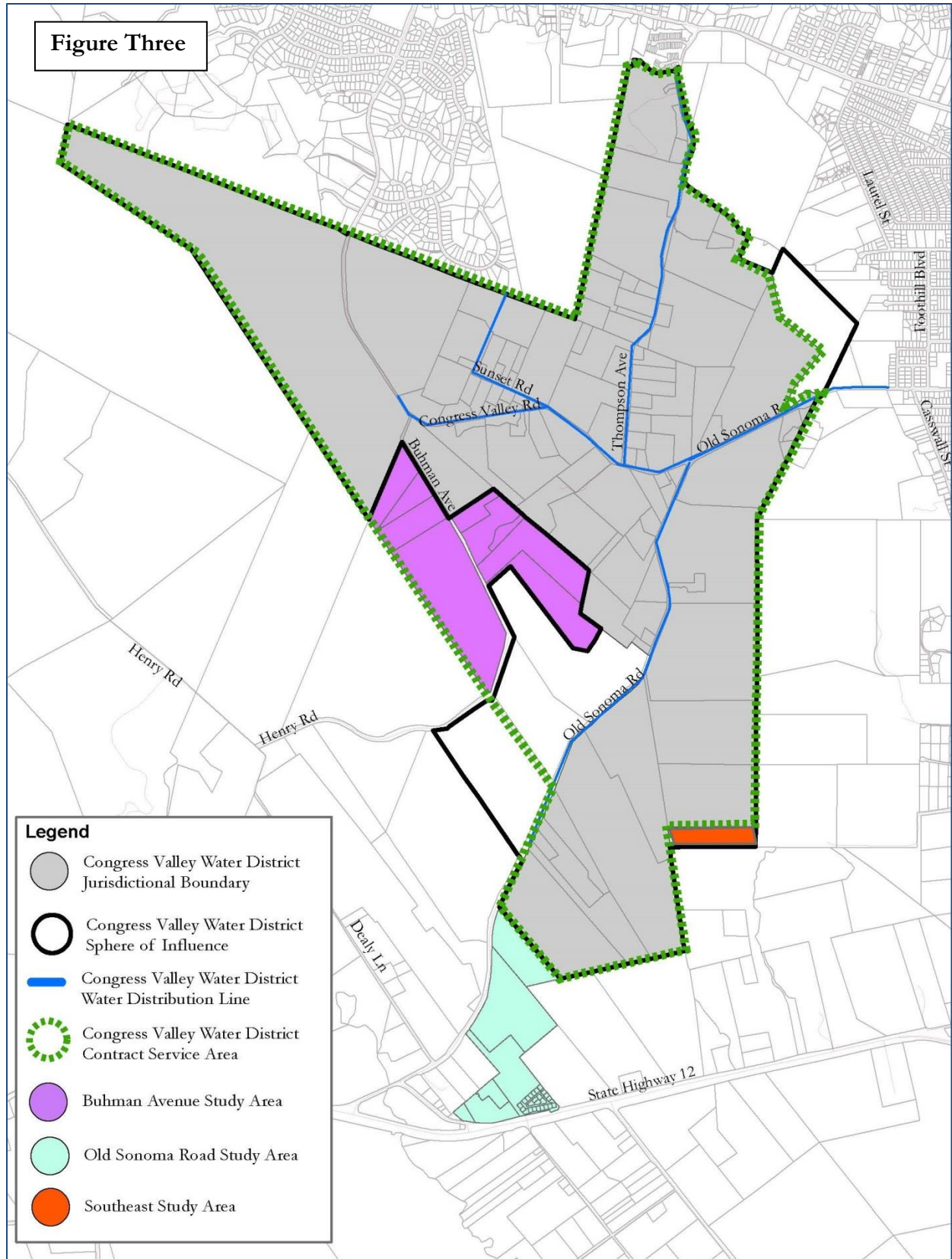
Three study areas were developed by staff in the course of considering areas to add to, or remove from, CVWD's sphere as part of this comprehensive sphere update. The study areas were selected based on the following factors: (1) written request from property owners or CVWD to add the properties to the District's sphere; (2) known water service deficiencies for developed properties in the vicinity of CVWD's sphere; and/or (3) consistency with the Water Supply Contract service area. Inclusion of a study area within CVWD's sphere would enable annexation proposals involving the affected lands to allow for future connection to the water distribution system. Analysis of each study area is organized to address the five planning factors the Commission is required to consider anytime it makes sphere determinations under G.C. Section 56425(e). These planning factors are:

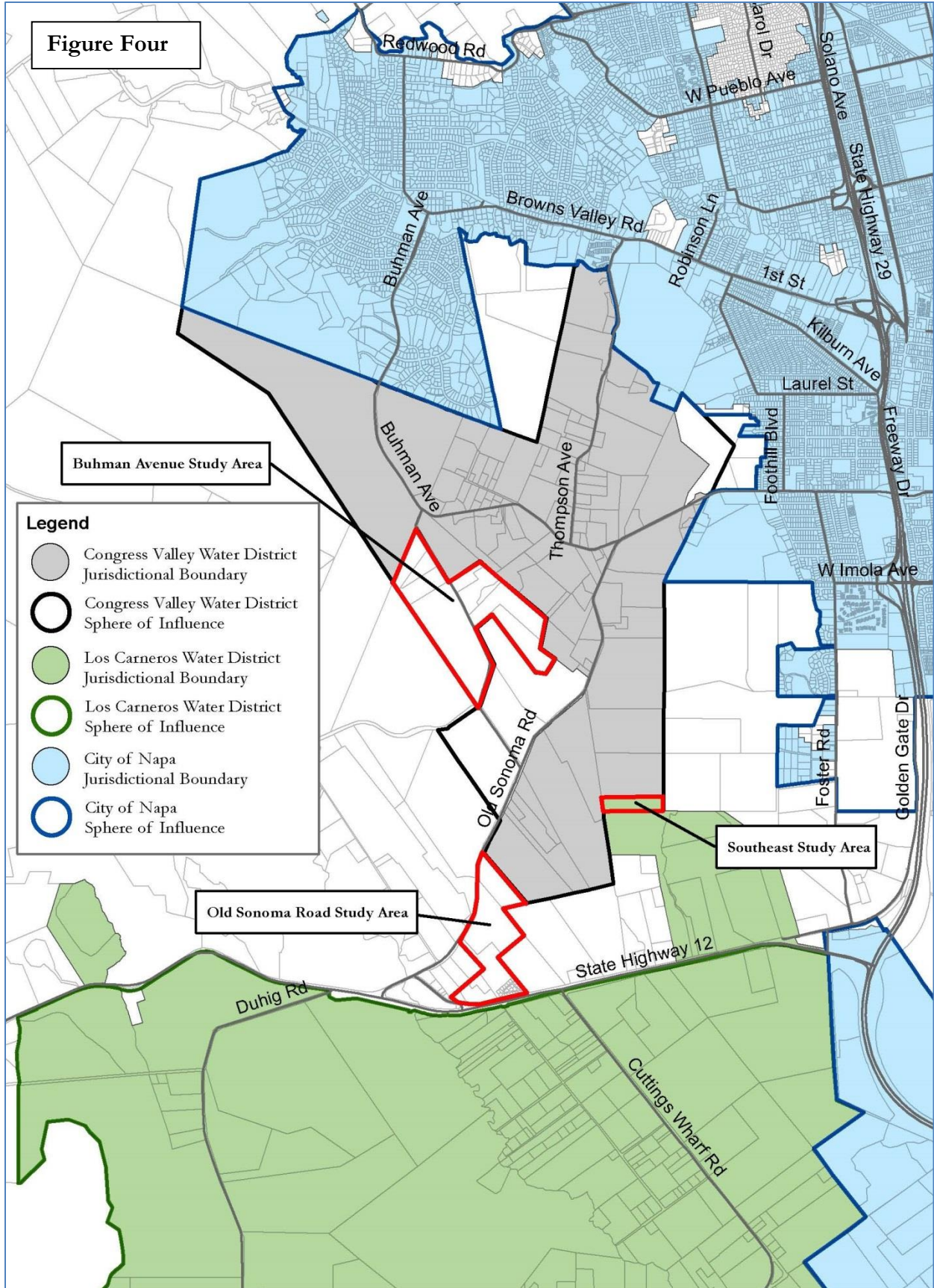
- 1) Present and planned land uses
- 2) Present and probable need for public facilities and services
- 3) Present adequacy and capacity of public services
- 4) Existence of any social or economic communities of interest
- 5) Present and probable need for public services for disadvantaged unincorporated communities

Recommendations are offered for each study area with respect to whether a modification to CVWD's sphere is appropriate at this time. A map depicting CVWD's sphere, water distribution line, contract service area, and the three study areas is included as Figure Three on page 26. Additionally, a map depicting the three study areas along with the jurisdictional boundaries and spheres for CVWD, the City, and LCWD is included as Figure Four on page 27.

It is important to note the Commission's adopted policies relating to special district spheres discourage any expansions of CVWD's existing sphere to promote urban development based on current land use designations of lands located within close proximity to the District. The Commission's General Policy Determinations include two related policies that are particularly relevant to CVWD's sphere.¹⁵ Specifically, General Policy Determinations Section III(D)(1) states it shall be a basic policy of the Commission that the establishment, amendment, or update of a special district's sphere serves to promote urban development, with limited exceptions. General Policy Determinations Section III(D)(3) states land designated for an agricultural or open-space use by the applicable land use authority shall not be approved for inclusion within any special district's sphere for purposes of urban development through the extension of essential public services. As previously identified, all lands located outside CVWD's sphere and within close proximity to the District are designated for agricultural or open-space land uses under the County General Plan.

¹⁵ The Commission's General Policy Determinations are included as Appendix B.





1.0 Buhman Avenue Study Area



Present and Planned Land Use

The Buhman Avenue Study Area comprises nine unincorporated parcels located along Buhman Avenue south of Congress Valley Road. The Buhman Avenue Study Area is approximately 131.6 acres in size and located outside CVWD's jurisdictional boundary but is within the District's Water Supply Contract service area. The County of Napa has assigned an *Agriculture, Watershed, and Open Space* General Plan land use designation and an *Agricultural Watershed* zoning standard for the Buhman Avenue Study Area. Present land uses include planted vineyards on five of the parcels and one rural residence. There are currently no existing plans to further develop any properties within the Buhman Avenue Study Area.

The expansion of CVWD's sphere to include the Buhman Avenue Study Area would enable future annexation and potentially induce further development of the parcels in a manner consistent with the County of Napa's contemplated land use allowances.¹⁶ It is important to note five of the parcels within the Buhman Avenue Study Area are 10 acres or more in size, potentially allowing for the future development of a winery subject to a discretionary use permit being obtained.¹⁷ If the properties do not currently have access to an adequate amount of groundwater to serve a winery, connection to CVWD's water distribution system could potentially remove an existing barrier to winery development. Three of the parcels within the Buhman Avenue Study Area totaling approximately 26.3 acres are collectively referred to as the "Forloine properties" and have a common property owner. One of the three parcels within the Forloine properties includes a single-family residence located at 2205 Buhman Avenue. The other two parcels are undeveloped. Two of the three parcels are 10 or more acres in size. The parcel that is smaller than 10 acres is undeveloped and identified as Assessor Parcel Number 047-030-023.

If the Commission expands CVWD's sphere to include the Buhman Avenue Study Area, additional environmental analysis in the form of an initial study and at minimum a negative declaration would likely need to be prepared to satisfy the requirements of the California Environmental Quality Act (CEQA) based on the potential removal of a barrier to intensified development within the area. However, a CEQA exemption is available for the potential addition of any parcels that are smaller than 10 acres in size.

Present and Probable Need for Public Facilities and Services

There is a present need for public water service within the Buhman Avenue Study Area based on enduring groundwater deficiencies. The Buhman Avenue Study Area was excluded from CVWD's sphere at the time the sphere was established in 1985 after the Commission concluded the area was outside the range and capacity of the distribution system.

CVWD and a representative for the Forloine properties have both submitted written requests for the three Forloine properties to be added to the District's sphere to facilitate future annexation and connection to the District's water distribution system, based on an

¹⁶ Contemplated land uses are limited to agriculture, one single-family residence dwelling unit per legal lot, one second unit, one guest cottage, and wineries.

¹⁷ The minimum parcel size required for development of a winery under the County of Napa's land use authority is 10 acres. In order for a winery to be approved and developed, the property owner would be required to demonstrate the availability of an adequate supply of water.

assertion that the groundwater is deficient in quality and quantity. Parcels within the Buhman Avenue Study Area are located approximately 1,000 to 3,500 feet from the nearest potential point of connection with CVWD's water distribution system.

The Buhman Avenue Study Area currently receives a rural level of other public services from the County of Napa. These services include law enforcement, fire protection, and road maintenance, all of which are considered adequate to meet the needs of the area. There are currently no plans to extend an urban level of other public services into the Buhman Avenue Study Area.

Present Capacity and Adequacy of Public Services

The Water Supply Contract anticipates additional areas will be served by CVWD. The intended service area is depicted on the map attached to the Water Supply Contract. Based on recent water demands, there is sufficient water supply available to serve all properties located within the Water Supply Contract service area, including existing and anticipated development. Adding the Buhman Avenue Study Area to CVWD's sphere would allow for annexation and future connection to the District's public water distribution system.

Based on estimates provided by the County of Napa, current annual water demand within the Forloine properties is approximately 0.3 acre-feet and would increase to 2.7 acre-feet if all three parcels are built out with single-family residences, second units, and guest cottages. CVWD can adequately extend service to the Forloine properties with minimal infrastructure improvements in a manner that would not impact service to existing customers. Annual water demand information for the remaining six parcels is currently unavailable.

As an alternative to CVWD, the City of Napa could potentially provide public water service to the Buhman Avenue Study Area in the future. As described in the Central County Region Municipal Service Review adopted in 2014, the City has established adequate administrative controls as well as public water supplies and capacities to meet current and projected demands into the foreseeable future. The City could accommodate projected water demands associated with the buildout of the Buhman Avenue Study Area without impacting service to existing connections, including in dry-year scenarios. However, LAFCO's policies would not support an amendment to the City's sphere of influence and annexation to the City to include the Buhman Avenue Study Area.

Additionally, utilizing reclaimed irrigation water in the Buhman Avenue Study Area could offset total water demands.¹⁸ However, extending reclaimed water service from LCWD to CVWD or nearby areas would require additional planning activities, which would likely involve engineering studies and analysis of potential environmental impacts. Further, LCWD has communicated the existing system is inadequate to extend service beyond its current jurisdictional boundary. Toward this end, a letter from LCWD is included as Appendix C that identifies challenges associated with further extending reclaimed water service. Therefore, it is unlikely LCWD is a viable alternative service provider at this time.

¹⁸ LAFCO authorization would not be required for LCWD to provide reclaimed irrigation water service outside its jurisdictional boundary and sphere given that the transfer of nonpotable or non-treated water is exempt pursuant to G.C. Section 56133(e)(2).

Social and Economic Communities of Interest

The Buhman Avenue Study Area has strong social and economic ties to CVWD. The Buhman Avenue Study Area is contiguous to CVWD’s jurisdictional boundary and generally shares similar agricultural and rural residential land uses.

Present and Probable Need for Public Services for Disadvantaged Unincorporated Communities

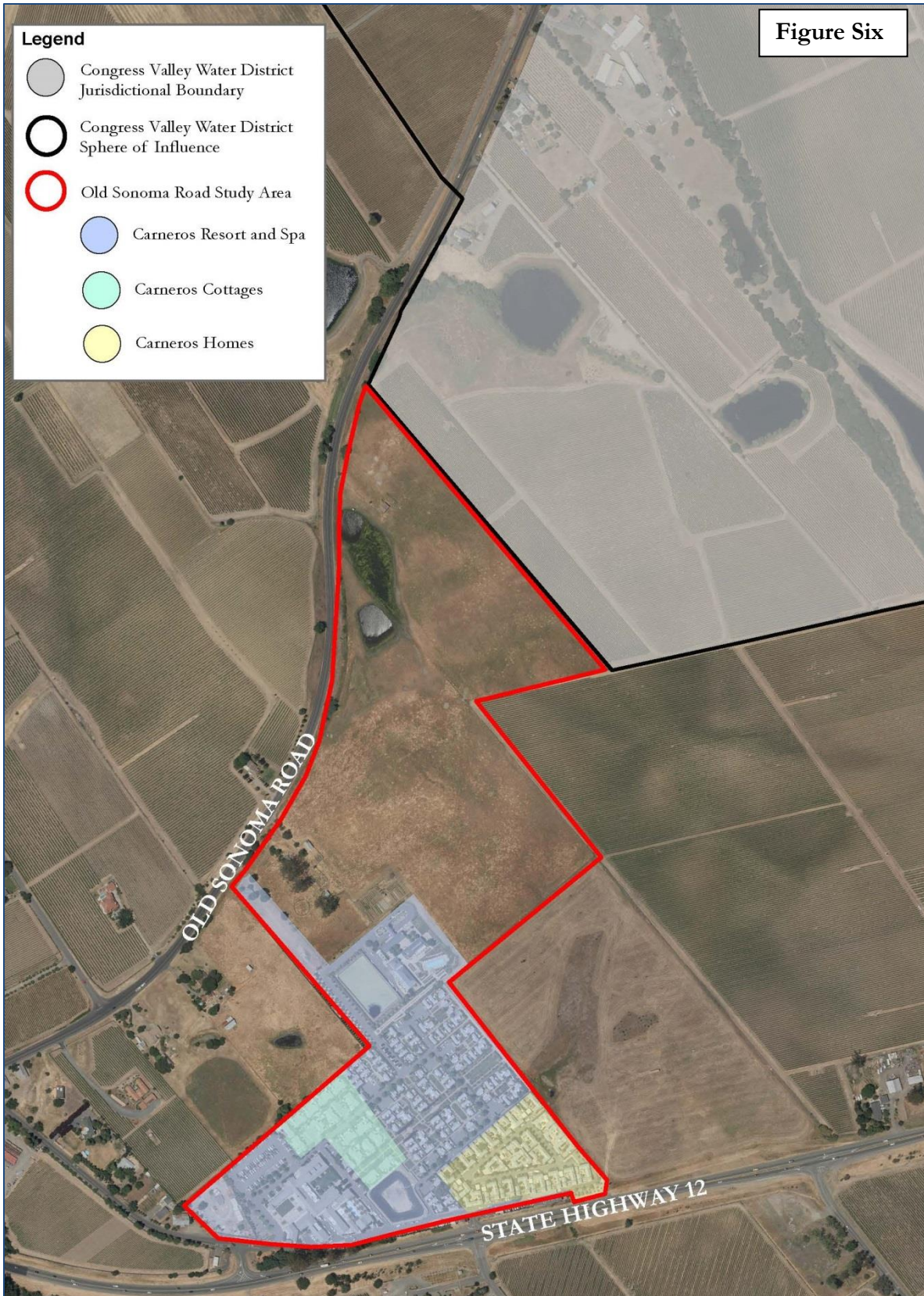
No disadvantaged unincorporated communities meeting the definition under State law have been identified within CVWD’s jurisdictional boundary, sphere, or adjacent areas.

Sphere Recommendation

Any action involving the expansion of CVWD’s sphere to include the Buhman Avenue Study Area requires the Commission to make findings consistent with the requirements of CEQA. Absent an available categorical or statutory exemption, this would likely involve at a minimum the preparation of an initial study and adoption of a negative declaration.¹⁹ Additionally, an expansion of CVWD’s sphere to include any or all of the Buhman Avenue Study Area would arguably be inconsistent with the Commission’s adopted policies relating to lands designated as agriculture and their potential inclusion within special district spheres for purposes of urban development through the extension of essential public services unless the Commission determines an exception is warranted. Based on these factors, it is recommended that the Commission continue to exclude the Buhman Avenue Study Area from CVWD’s sphere.

¹⁹ If the property owners of the parcels that are 10 acres or more in size enter the parcels into easements or deed restrictions that eliminate the potential for winery development, a categorical exemption would be available to the Commission with respect to adding the parcels to CVWD’s sphere.

2.0 Old Sonoma Road Study Area



Present and Planned Land Use

The Old Sonoma Road Study Area comprises 34 unincorporated parcels located along Old Sonoma Road south of Congress Valley Road. The Old Sonoma Road Study Area is approximately 67.0 acres in size and located outside CVWD's jurisdictional boundary and Water Supply Contract service area. Four of the parcels within the Old Sonoma Road Study Area totaling approximately 23.8 acres comprise the Carneros Resort and Spa, which includes 17 fractional ownership homes referred to as the "Carneros Cottages". 28 of the parcels totaling 3.3 acres are referred to as "Carneros Homes" and include 24 residential units. The remaining two parcels total 39.9 acres and are generally undeveloped with the exception of four vacant structures that include a single-family residence, barns, and storage. The County of Napa General Plan includes an *Agricultural Resource* land use designation for the entire Old Sonoma Road Study Area. The County has zoned the Old Sonoma Road Study Area as follows: (1) *Agricultural Watershed* for the two rural residential parcels and a portion of the Carneros Resort and Spa; (2) *Commercial Limited* for the Carneros Cottages and remaining portion of the Carneros Resort and Spa; and (3) *Planned Development* for the Carneros Homes.

An expansion of CVWD's sphere to include the Old Sonoma Road Study Area would support existing commercial and residential land uses, but would be inconsistent with the area's agricultural land use designation under the County of Napa General Plan.²⁰

It is important to note three of the parcels within the Old Sonoma Road Study Area are 10 acres or more in size, potentially allowing for the future development of a winery. If the property owners do not currently have access to an adequate amount of groundwater to serve a winery, connection to CVWD's water distribution system could potentially remove an existing barrier to winery development. If the Commission expands CVWD's sphere to include the Old Sonoma Road Study Area, additional environmental analysis in the form of an initial study and at minimum a negative declaration would likely need to be prepared to satisfy the requirements of CEQA based on the potential removal of a barrier to intensified development within the area.

²⁰ An application for a use permit modification has been submitted to the County that would reconfigure existing uses involving the Carneros Resort and Spa and Carneros Homes. However, there would be no intensification of land uses or service demands. The application is identified by the County as Application No. P15-00190 and is available online at <http://www.countyofnapa.org/Pages/DepartmentContent.aspx?id=4294984267>.

Present and Probable Need for Public Facilities and Services

There is a present need for public water service within the Old Sonoma Road Study Area based on persistent groundwater deficiencies. Specifically, annual water demands within the Old Sonoma Road Study Area currently total approximately 42.2 acre-feet.²¹ Water supplies are derived from (1) the Carneros Inn Mutual Water Company and (2) trucked water from the City of Napa.²² The Carneros Inn Mutual Water Company was established in 2007 and sources its water supply from two groundwater wells. However, the Carneros Inn Mutual Water Company has communicated that groundwater quality and quantity are both inadequate to meet demands associated with existing land uses. Specifically, the project's use permit limits groundwater extraction to approximately 28.0 acre-feet per year. Since the project currently uses approximately 42.2 acre-feet of water per year, there is a structural deficit in the quantity of available water supply, which requires the community to draw on outside sources.

Annual groundwater withdrawals for the Carneros Inn Mutual Water Company to serve the Carneros Resort and Spa, Carneros Cottages, and Carneros Homes total approximately 28.0 acre-feet. To augment groundwater supplies, the Carneros Inn Mutual Water Company reports the Carneros Resort and Spa, Carneros Cottages, and Carneros Homes have annually received between approximately 14.4 and 16.9 acre-feet of trucked water from the City of Napa over the last three years.²³

LAFCO's policies do not support extending CVWD's SOI area to include the Old Sonoma Road Study Area. In the future, however, LAFCO could consider a request to approve an outside service agreement to provide public water service to existing development within the Old Sonoma Road Study Area pursuant to G.C. Section 56133.5. However, under the current Water Supply Contract between the City of Napa and CVWD, the District is not allowed to provide connections for commercial land uses.²⁴

The Old Sonoma Road Study Area currently receives a rural level of other public services from the County of Napa. These services include law enforcement, fire protection, and road maintenance, all of which are considered adequate to meet the needs of the area. There are currently no plans to extend an urban level of other public services into the area.

²¹ Annual water demand data from 2014 to 2016 provided by the Carneros Inn Mutual Water Company and included as Appendix D.

²² Trucked water from the City is considered "bulk water" and is interruptible. Bulk water is treated, potable water supplied to contractors, haulers, and other users through a hydrant meter issued to each customer. The sale of bulk water can be interrupted during a water shortage situation or by change in the City's policy that limits uses.

²³ A private onsite water treatment and storage system is utilized to serve the Carneros Resort and Spa, Carneros Cottages, and Carneros Homes. Groundwater and trucked water are blended to produce water of adequate quality and quantity.

²⁴ The Water Supply Contract between CVWD and the City specifies that the District may only provide water service for domestic, agricultural, and winery connections. A new Water Supply Contract service area map would also be necessary.

Present Capacity and Adequacy of Public Services

Current annual water demand within the Old Sonoma Road Study Area, including both groundwater and trucked water sources, totals approximately 42.2 acre-feet and would increase to 44.0 acre-feet if the two undeveloped parcels are built out with single-family residences, accessory dwellings, and guest cottages. However, if the two undeveloped parcels are built out with wineries, future annual water demands within the Old Sonoma Road Study Area would range from approximately 48.0 to 68.0 acre-feet depending on permitted production and visitation. Given that CVWD's maximum annual water supply is 100 acre-feet, extending water service to the Old Sonoma Road Study Area would eliminate most of CVWD's available water supply and therefore could impact existing and future customers. Further, any future reductions in local water conservation efforts could result in overall water demand increases within CVWD's existing sphere, which would have the direct impact of reducing the District's available water supply. However, it is important to note that connection to CVWD's public water system would provide a benefit to the Congress Valley community in terms of reducing overall pressures on the groundwater aquifer. Additional planning and environmental review is needed to inform the extent of infrastructure improvements and environmental impacts associated with CVWD extending public water service to the Old Sonoma Road Study Area.

As an alternative to CVWD, the City of Napa could potentially provide public water service to the Old Sonoma Road Study Area in the future. As further described in the Central County Region Municipal Service Review adopted in 2014, the City has established adequate administrative controls as well as public water supplies and capacities to meet current and projected demands into the foreseeable future. The City could accommodate projected water demands associated with the buildout of the Old Sonoma Road Study Area without impacting service to existing connections, including in dry-year scenarios. While LAFCO's policies would not support an amendment to the City's sphere of influence and annexation to the City to include the Old Sonoma Road Study Area, LAFCO could consider authorizing the City to provide water service pursuant to G.C. Section 56133.5 following adoption of the determinative statements contained in this report.

Additionally, utilizing reclaimed irrigation water in the Old Sonoma Road Study Area could offset total water demands.²⁵ However, LCWD has communicated the existing system is inadequate to extend service beyond its current jurisdictional boundary. Toward this end, a letter from LCWD is included as Appendix C that identifies challenges associated with further extending reclaimed water service. Therefore, it is unlikely LCWD is a viable alternative service provider at this time.

²⁵ LAFCO authorization would not be required for LCWD to provide reclaimed irrigation water service outside its jurisdictional boundary and sphere given that the transfer of nonpotable or non-treated water is exempt pursuant to G.C. Section 56133(e)(2).

Social and Economic Communities of Interest

The Old Sonoma Road Study Area does not currently share direct social and economic ties with the majority of CVWD. Land uses within the Old Sonoma Road Study Area include a hotel, a restaurant, and relatively high density single-family residences that are distinct from the rural and agricultural characteristics of the Congress Valley community.

Present and Probable Need for Public Services for Disadvantaged Unincorporated Communities

No disadvantaged unincorporated communities meeting the definition under State law have been identified within CVWD's jurisdictional boundary, sphere, or adjacent areas.

Sphere Recommendation

Any future action involving the expansion of CVWD's sphere and/or extension of water service to the Old Sonoma Road Study Area would require the Commission to make findings consistent with the requirements of CEQA. Absent an available categorical or statutory exemption, this would likely involve at a minimum the preparation of an initial study and adoption of a negative declaration. Further, an expansion of CVWD's sphere to include the Old Sonoma Road Study Area would arguably be inconsistent with the Commission's adopted policies relating to lands designated as agriculture and their potential inclusion within special district spheres for purposes of urban development through the extension of essential public services unless the Commission determines an exception is warranted. Inclusion within CVWD's sphere would also be inconsistent with the District's Water Supply Contract service area and contemplated land uses. Based on these factors, it is recommended that the Commission continue to exclude the Old Sonoma Road Study Area from CVWD's sphere.

3.0 Southeast Study Area



Present and Planned Land Use

The Southeast Study Area comprises a portion of an unincorporated parcel located in the southeast portion of CVWD's sphere. The Southeast Study Area is approximately 10.6 acres in size and located outside CVWD's jurisdictional boundary and Water Supply Contract service area. The County of Napa has assigned an *Agriculture, Watershed, and Open Space* General Plan land use designation and an *Agricultural Watershed* zoning standard for the Southeast Study Area. The Southeast Study Area is currently undeveloped and there are no existing plans for development of the property.

Present and Probable Need for Public Facilities and Services

The Southeast Study Area was previously added to CVWD's sphere in 2008 in error as a result of confusion regarding the extent of the District's jurisdictional boundary. The Southeast Study Area is located within the jurisdictional boundary of LCWD but outside LCWD's Assessment District. The Southeast Study Area currently receives a rural level of law enforcement and fire protection services from the County of Napa, which are considered adequate to meet the needs of the area. There is no present or probable need for public facilities or services for the Southeast Study Area.

Present Capacity and Adequacy of Public Services

CVWD's existing water distribution system is inadequate to serve the Southeast Study Area. The nearest potential point of connection is approximately 2,000 feet to the northwest at Old Sonoma Road. Future connection would require annexation and infrastructure improvements that are not currently being contemplated by CVWD or the property owner. In addition, the Southeast Study Area is within LCWD's jurisdictional boundary. LCWD's reclaimed water infrastructure does not currently extend to the Southeast Study Area. However, reclaimed water could be extended in the future if a need for service is established.

Social and Economic Communities of Interest

The Southeast Study Area shares social and economic ties with CVWD to a certain degree. The Southeast Study Area is contiguous to CVWD's jurisdictional boundary and consists of agricultural land uses. However, the Southeast Study Area is undeveloped with no permanent residents and comprises a portion of a larger parcel that is divided by CVWD's existing sphere. The Southeast Study Area was added to CVWD's sphere in 2008 based on erroneous information with respect to the extent of the District's jurisdictional boundary.

Present and Probable Need for Public Services for Disadvantaged Unincorporated Communities

No disadvantaged unincorporated communities meeting the definition under State law have been identified within CVWD's jurisdictional boundary, sphere, or adjacent areas.

Sphere Recommendation

It is recommended the Commission take formal action to remove the Southeast Study Area from CVWD's sphere. This recommendation would recognize current and probable future land uses and service needs within the area. This recommendation would also reconcile a previous error in which the Southeast Study Area was added to CVWD's sphere in 2008 based on confusion regarding the District's jurisdictional boundary.

V. ENVIRONMENTAL REVIEW

A. Municipal Service Review

The municipal service review on CVWD is a project under the California Environmental Quality Act (CEQA) given it may reasonably result in a future indirect physical change to the environment. The municipal service review is categorically exempt from further environmental review under Code of Regulations Section 15306. This exemption applies to basic data collection, research, and resource evaluation activities, which do not result in any serious or major disturbance to any environmental resource. This exemption applies to the municipal service review on CVWD given it is strictly for information gathering purposes that may lead to an action which LAFCO has not approved, adopted, or funded.

B. Sphere of Influence Update

The sphere update for CVWD is a project under CEQA given it may reasonably result in a future indirect physical change to the environment. The sphere update is exempt from further environmental review under Code of Regulations Section 15061(b)(3). This exemption is referred to as the “general rule” and applies to projects in which it can be seen with certainty there is no possibility the action may have a significant effect on the environment. This exemption applies to the sphere update for CVWD given it can be seen with certainty the removal of non-jurisdictional lands comprising the Southeast Study Area from the District’s sphere will not result in any physical changes to the environment.

VI. SOURCES

Primary Agency Contacts

- Kiersten Bjorkman, District Secretary
- Priscillia de Muizon, District Legal Counsel (Coombs & Dunlap, LLP)

Other Agency Contacts

- Phil Brun, City of Napa Deputy Public Works Director
- David Morrison, County of Napa Planning, Building, and Environmental Services Director
- John Stewart, Los Carneros Water District President

Documents

- Association of Bay Area Governments, “Projections and Priorities”, 2013
- Association of Bay Area Governments, “2015-2023 Regional Housing Needs Allocation Progress Report”, 2017
- Carneros Inn Mutual Water Company Annual Report, 2014
- Carneros Inn Mutual Water Company Annual Report, 2015
- Carneros Inn Mutual Water Company Annual Report, 2016
- Central County Regional Municipal Service Review, 2014 (Napa LAFCO)
- County of Napa, “Annual Housing Element Progress Report”, 2016
- “CVWD Baseline Report Sphere of Influence Establishment”, 1985 (Napa LAFCO)
- “CVWD Sphere of Influence Review”, 2008 (Napa LAFCO)
- “CVWD Basic Financial Statements for the Fiscal Years Ended June 30, 2011 and 2012,” (Charles W. Pillon, C.P.A.)
- “CVWD Basic Financial Statements for the Fiscal Years Ended June 30, 2013 and 2014,” (Charles W. Pillon, C.P.A.)
- “CVWD Basic Financial Statements for the Fiscal Years Ended June 30, 2015 and 2016,” (Charles W. Pillon, C.P.A.)
- CVWD, “Budget for Fiscal Year 2012-2013”
- CVWD, “Budget for Fiscal Year 2013-2014”
- CVWD, “Budget for Fiscal Year 2014-2015”
- CVWD, “Budget for Fiscal Year 2015-2016”
- CVWD, “Budget for Fiscal Year 2016-2017”
- Los Carneros Water District Municipal Service Review, 2016 (Napa LAFCO)

Websites

- Association of Bay Area Governments, <http://www.abag.org/>
- California Department of Finance, <http://www.dof.ca.gov/>
- California Special Districts Association, <http://www.csda.net/special-districts/>
- California State Controller’s Office, <http://sco.ca.gov/>
- California State Water Resources Control Board, <http://www.waterboards.ca.gov/>
- United States Census Bureau, <https://www.census.gov/>

WATER SUPPLY CONTRACTBETWEENTHE CITY OF NAPA AND THE CONGRESS VALLEY WATER DISTRICT

The CITY OF NAPA, a municipal corporation in the County of Napa, State of California, hereinafter called "City", agrees to sell, and the CONGRESS COUNTY WATER DISTRICT, a county water district, hereinafter called "District", agrees to buy water under the following terms and conditions:

RECITALS

A. The City is the owner and operator of a water system in the County of Napa, State of California, and is engaged in the supply and distribution of water to customers inside and outside of the corporate limits of said City.

B. The District is the owner and operator of a water system in the County of Napa, State of California, and is engaged in the distribution of water to customers within the boundaries of said District.

C. The District is currently purchasing its water supply from the City under an existing agreement dated October 30, 1951, the term of which having expired has been extended by mutual agreement of the District and City until this replacement agreement is executed.

D. The District has no developed water supply resources and no storage facilities.

Appendix A

E. The District has requested that the City continue to furnish a supply of water to the District, but under different terms and conditions than provided for in the original agreement.

F. The City is willing to furnish a supply of water to the District.

THEREFORE, the parties hereby agree to the following:

1. TERM OF AGREEMENT. This Agreement shall become effective upon its execution by both parties and shall run for a term of thirty (30) years, or to July 1, 2017, whichever shall occur first.

2. SERVICE AREA. The District shall deliver the water furnished under this Contract to consumers only within the territory shown and described on attached "EXHIBIT B", entitled "Congress County Water District Service Area", and no other or additional territory. No water service shall be provided by the District to any parcel within said service area as shown on attached "EXHIBIT B", until said parcel has been annexed to the District.

3. QUANTITY OF WATER. The City shall furnish water to the District, as it may need to supply its customers only in accordance with the terms and conditions of this Agreement, in an amount not to exceed a total of one hundred (100) acre feet in any calendar year, at a reasonable rate of flow at the delivery point or points.

Appendix A

4. CONDITIONS OF SERVICE. The District shall deliver water it receives under this Agreement to a maximum of 140 service connections to serve existing parcels of record as described below and no others, for domestic, agricultural, and winery purposes only. (For the purposes of this Contract, a winery is defined as a facility appurtenant to the manufacture of wine or similar products. Additionally, fifty percent (50%) of the grapes processed must be grown in the service area. Additionally, no items other than the product manufactured at site of the winery may be sold.) The District shall deliver water it receives under this Agreement only to service connections existing or approved on the effective date of this agreement, and to parcels of land existing within the District Service Areas as defined in "EXHIBIT B", on the effective date of this Agreement.

5. ANNEXATION TO CITY. City agrees that if any portion of the District is annexed to the City during the term of this Agreement, City shall annually reimburse the District up to an amount equal to the average annual revenue that would have been derived from the sale of water to that portion of the District so annexed had that portion of the District remained in the District. Such payment shall be applied to any bond redemption, interest payment, or reserve accounts, therefor, which are then an existing obligation of the District. No such payment shall be required, if no such obligations then exist.

6. PRICE AND PAYMENT. The District shall pay to the City the sum of one dollar and twenty-three cents (\$1.23) per one thousand (1,000) gallons. Said quantity rate charge shall be adjusted administratively from time to time, concurrent with adjustments in the quantity rate and service charge applicable

to retail domestic customers inside the City limits. The adjusted quantity rate applicable to the District shall be identical to the quantity rate applicable to retail domestic customers inside the City limits.

7. COLLECTION AND DISBURSEMENT OF FUNDS. City agrees to bill District's customers at the rate specified by the District (subject to change on an annual basis). District's rate structure shall be similar to City's structure. City will collect all proceeds in a fashion consistent with its own procedures and deposit same in a separate account. Periodically the proceeds so collected and deposited shall be released to an entity as directed in writing by District.

Any connection fees, special assessment fees, or mitigation fees designated by the District shall not be collected by City. It shall be the responsibility of the District to collect such fees.

Any work done by City, such as to install new services or to make modifications as requested by District shall be on a fixed fee basis or time and materials basis, as is appropriate. City requires a deposit for such work in accordance with its codes, and the City will collect and retain same.

8. MEASUREMENTS AND CONTROL OF WATER DELIVERED. The water delivered pursuant to this Agreement shall be measured by meters at the points of delivery hereinafter referred to as the customers meter connection. On any new customer meter connection, the city shall install the necessary meters, valves, and appurtenances appropriate to operate and maintain such connection. Said meters, valves, and appurtenances shall be maintained in good repair and replaced when

necessary by the City. Each party shall have the right to test any meter at its own expense, or the parties may share the cost as mutually agreed. City reserves the right to replace any meter at any time.

9. CONSERVATION MEASURES. District agrees to enact and enforce water conservation programs substantially equivalent in effect to such water conservation programs adopted by the City or which may be adopted by the City.

10. QUALITY OF WATER. The quality of water at the point of delivery furnished to the District will be the same as that furnished to other City customers under the permit from the State of California Department of Health Services or its successor agency.

11a. NON-RESPONSIBILITY OF THE CITY. Neither the City nor any of its officers, agents or employees, shall be liable for any loss or damage direct or indirect, arising from shortages in the amount of water to be made available for delivery, interruption of delivery or failure of any kind caused by drought or any other cause beyond the control of the City.

11b. RESPONSIBILITY OF THE CITY. The City shall be responsible, during the term of this Contract, for the complete operation, maintenance (and later replacement) of the District's water system.

City agrees to make the District whole for additional costs incurred in installing the twelve inch (12") waterline stipulate in the section of this Agreement entitled "Responsibility of District".

Appendix A

The amount of the make whole cost is to be determined by multiplying the number of feet of waterline so oversized by the difference in cost obtained by subtracting the contract cost of a twelve inch (12") waterline in this area from a theoretical contract cost for an eight inch (8") waterline in the same work area. The theoretical contract cost is assumed to be the contract cost for eight inch (8") waterline installed elsewhere in the District during the replacement project.

City shall reimburse District within thirty (30) days of submission of each of the successive contract progress payments submitted by District's Contractor during the replacement project, showing the number of feet of the oversized line installed.

City agrees to install, at its cost, a twelve-inch (12") main from the City limits on Old Sonoma Road to the point of connection with the transmission line in Foothill Boulevard when the need for such installation is established.

12a. NON-RESPONSIBILITY OF THE DISTRICT. Neither the District nor any of its officers, agents or employees shall be liable for the control, carriage, handling, use, disposal or distribution of water, nor for any damage of any nature whatsoever, including but not limited to property damages, personal injury or death, arising out of or connected with the same.

12b. RESPONSIBILITY OF THE DISTRICT. It shall be the responsibility of the District to, during year 30, pass title for all improvements and assets of

Appendix A

the District to the City for the sum of one dollar (\$1.00). The Board of Directors of District shall during year 30, initiate proceedings to dissolve the District pursuant to the District Reorganization Act or as it may be amended.

Additionally, District agrees to cause the size of the waterline to be installed in Thompson Avenue, in Congress Valley Road, from Thompson Avenue to Old Sonoma Road, and in Old Sonoma Road, from Congress Valley Road easterly to City's corporate boundary (to the extent that the waterline will be replaced) to be installed as 12-inch waterline. This is herein referred to as the oversized waterline.

Additionally, District will allow City to "wheel" water through said waterline at no additional compensation.

13. BACKFLOW PREVENTION: District agrees to require its water service customers to comply with City's backflow prevention device program.

14. ASSIGNMENTS. No assignment of this Agreement or of any right or obligation of any part hereunder, in whole or in part, can be made without the express written consent of all parties hereto, which consent shall not be unreasonably withheld.

15. MODIFICATIONS. Modification to this Agreement shall be specific amendment, executed by all parties hereto.

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16. APPLICABLE LAW. The law of California then existing shall govern the interpretation of this Contract.

17. NOTICES. All notices required under this Contract shall be sent to:

City of Napa

P.O. Box 660

Napa, CA 94559

Congress County Water District

P.O. Box 3023

Napa, CA 94558

CITY OF NAPA,
a municipal corporation

CONGRESS COUNTY WATER DISTRICT,
a County Water District

By: Brad Weyer
MAYOR

By: Robert A. Oslak
PRESIDENT

ATTEST:

ATTEST:

Pamela Means
CITY CLERK

Dorothy L. Strick
SECRETARY

APPROVED AS TO FORM:

Joe Oran
CITY ATTORNEY

R. Hygg Rock
CONGRESS COUNTY
WATER DISTRICT ATTORNEY

COUNTERSIGNED:

[Signature]
CITY AUDITOR

Paul A. King
DISTRICT AUDITOR

Appendix A

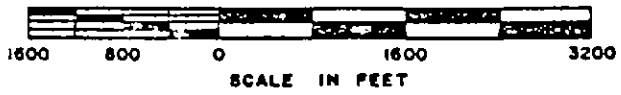
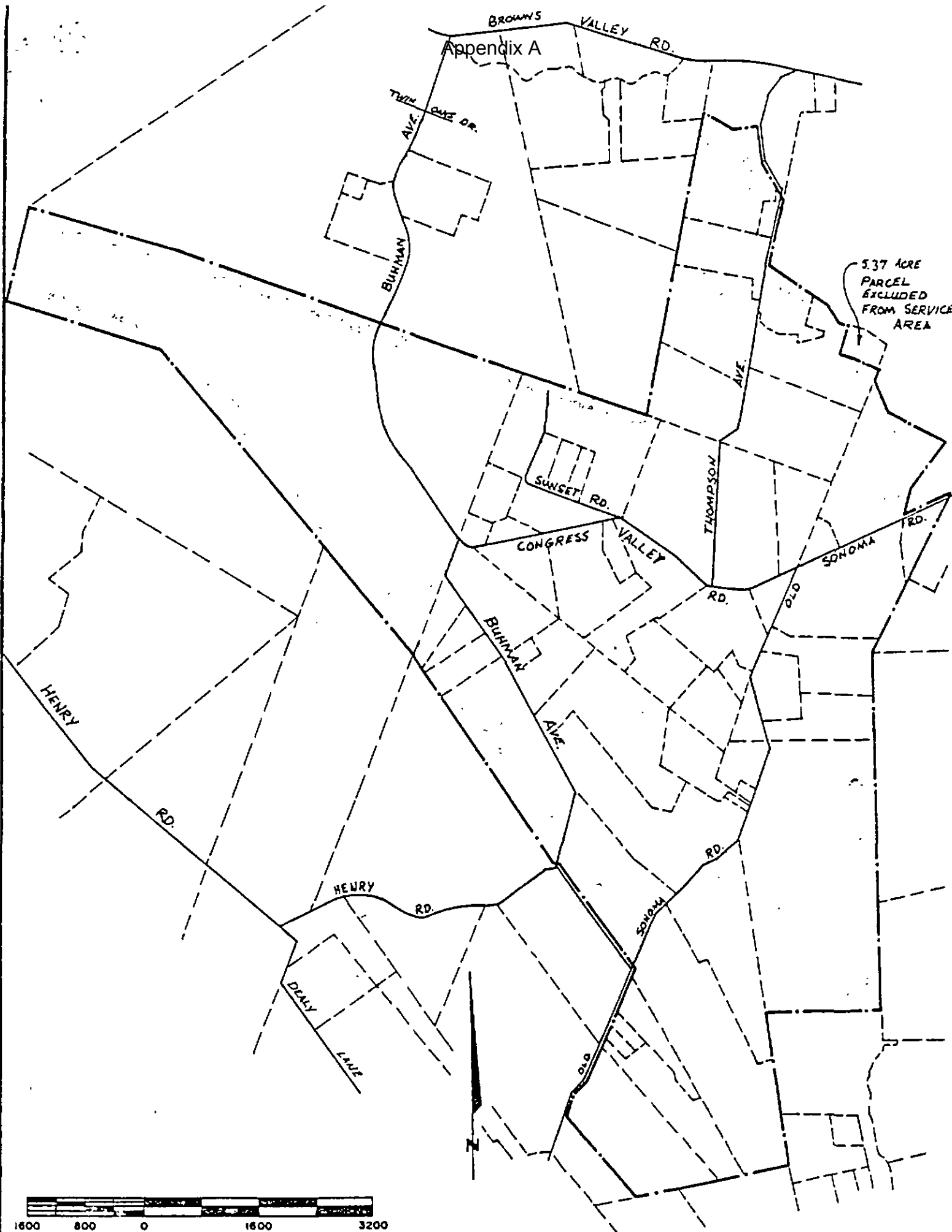


EXHIBIT "B"

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TIME JUN 11:51:20

FORMATTED QUERY LISTING FOR FILE TAXMST.APALIB

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FORMAT NAME RTAXMST

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NO LONGER EXISTS

TOTAL # RECORDS PRINTED 101

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CONGRESS VALLEY WATER DISTRICT
P.O. BOX 3023
NAPA, CALIFORNIA 94558

NOTICE OF DETERMINATION

TO: (X) OFFICE OF PLANNING AND RESEARCH (X) COUNTY CLERK
1400 TENTH STREET, ROOM 121 COUNTY OF NAPA
SACRAMENTO, CA. 95814

PROJECT TITLE: Waterline Rejuvenation FILE # _____
(SCH# 85120302)

PROJECT DESCRIPTION AND LOCATION:

The 1,330 acre District is applying for \$1,000,000 from the 1984 Safe Drinking Water Bond Fund for the replacement of in excess of 20,000 feet of 35 year old two inch (+) galvanized iron pipe. The existing lines would be replaced with eight inch, six inch and 12 inch diameter waterlines. The project also calls for the placement of at least 60 water services and 10 fire hydrants. It lies along Congress Valley and Old Sonoma Roads 1/2 mile southwest of the City of Napa.

THIS IS TO ADVISE THAT THE BOARD OF DIRECTORS HAS APPROVED THE PROJECT AND MADE THE FOLLOWING DETERMINATIONS ON January 22, 1986.

1. THE PROJECT () WILL, (X) WILL NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT.
2. AN () ENVIRONMENTAL IMPACT REPORT, (X) NEGATIVE DECLARATION WAS PREPARED FOR THIS PROJECT PURSUANT TO THE PROVISIONS OF CEQA. A COPY OF THIS DOCUMENT MAY BE EXAMINED AT THE OFFICE OF THE NAPA COUNTY CONSERVATION, DEVELOPMENT AND PLANNING DEPARTMENT.
3. A STATEMENT OF OVERRIDING CONSIDERATIONS () WAS, (X) WAS NOT ADOPTED FOR THIS PROJECT.

CONTACT PERSON: _____ CHUCK W. SHINNAMON
(707) 252-3301

BY Robert a Osterberg
ROBERT OSTERBERG, President

DATE: 22 Jan 86

Appendix A

COUNTY OF NAPA
CONSERVATION, DEVELOPMENT AND PLANNING DEPARTMENT
1195 Third St., Rm. 210
Napa, California 94559
(707) 253-4416/4376

INITIAL STUDY

PROJECT NAME: Congress County Water District
FILE NO: Waterline Revitalization Project

PROJECT DESCRIPTION: The 1,330 acre District is applying for \$1,000,000 from the 1984 Safe Drinking Water Bond Fund for the replacement of in excess of 20,000 feet of 35 year old two inch (+) galvanized iron pipe. The existing lines would be replaced with eight inch, six inch and 12 inch diameter waterlines. The project also calls for the placement of at least 60 water services and 10 fire hydrants. It lies along Congress Valley and Old Sonoma Roads 1/2 mile southwest of the City of Napa.

JURISDICTIONAL BACKGROUND:

Public Plans and Policies

Based on an initial review completed by the Environmental Protection Section, the following findings were made for the purpose of the Initial Study and do not constitute a final finding by the County in regard to the question of consistency.

	YES	NO	N/A
Is the project consistent with:			
a) Regional and Subregional Plans and Policies?	<u>X</u>	---	---
b) LAFCOM Plans and Policies?	<u>X</u>	---	---
c) The County General Plan?	<u>X</u>	---	---
d) Appropriate City General Plans?	<u>X</u>	---	---
e) Adopted Environmental Plans and Goals of the Community?	<u>X</u>	---	---
f) Pertinent Zoning?	<u>X</u>	---	---

Responsible Agencies

Napa County Division of Environmental Health
Napa County Department of Public Works
City of Napa

ENVIRONMENTAL SETTING: Steeply to moderately sloping area (slopes typically 5 - 30%) between an elevation of 100' and 480' MSL. Located ~~west~~ east of the Sonoma notch between Browns Valley and Carneros areas. Foundation material consists of Sonoma Volcanic Series, Domengine sandstone, mudstones and siltstones overlain by soils of shallow alluvium. The project is located within the West Napa Fault Zone. A few landslides have been noted in the hilly portions. Portions of the project lie within the designated floodplain of Carneros Creek. Vegetative cover is primarily grassland and agricultural uses. Existing land uses include scattered single-family residences, vineyards and livestock raising. Surrounding land uses include dense residences easterly in City of Napa, vineyards of the Carneros application southerly and westerly, a wooded ridge and suburban Browns Valley northerly.

Initial Study
Page 2

ENVIRONMENTAL EFFECTS:

Normally Significant Individual Impacts

YES	NO	
	<u>X</u>	(Geology)
<u> </u>		1. Exposure of new site users to substantial life and/or property hazards from geologic processes (eg., severe settlement, sliding, faulting, intense seismically induced ground shaking, seismically-induced ground failures, etc.).
<u> </u>	<u>X</u>	2. Exposure of existing area occupants to substantially increased life and/or property hazards from geologic processes.
<u> </u>	<u>X</u>	3. Damage, destruction or burial of any unique or scientifically important geologic or geomorphologic feature.
	<u>X</u>	(Meteorology)
<u> </u>		4. Substantial modification of climatic or microclimatic conditions (eg., temperature, rainfall, wind, shadow patterns, etc.).
	<u>X</u>	(Hydrology)
<u> </u>		5. Exposure of new site users to substantial life and/or property hazards from flooding (eg., stream flooding, tsunamis, seiches, dam or levee failure, etc.).
<u> </u>	<u>X</u>	6. Exposure of existing area occupants to substantially increased life and/or property hazards from flooding.
<u> </u>	<u>X</u>	7. Substantial temporary construction period increase in erosion and/or sedimentation.
<u> </u>	<u>X</u>	8. Substantial permanent increase in erosion and/or sedimentation.
<u> </u>	<u>X</u>	9. Substantial depletion of groundwater resources or significant interference with groundwater recharge.
	<u>X</u>	(Water Quality)
<u> </u>		10. Substantial degradation of the quality of waters present in a stream, lake, or pond.
<u> </u>	<u>X</u>	11. Substantial degradation of the quality of groundwater supplies.
<u> </u>	<u>X</u>	12. Substantial contamination of a public or private water supply.
	<u>X</u>	(Air Quality)
<u> </u>		13. Exposure of new site users to substantial health hazards from breathing polluted air.
<u> </u>	<u>X</u>	14. Exposure of existing area occupants to substantially increased health hazards from breathing polluted air.
<u> </u>	<u>X</u>	15. Substantial degradation of local or regional air quality.
<u> </u>	<u>X</u>	16. Exposure of new site users or existing area occupants to annoyance from dust and/or highly objectionable odors.
	<u>X</u>	(Noise)
<u> </u>		17. Exposure of new site users to health hazards from noise levels in excess of those recognized as necessary to protect public health and welfare.

* Mitigated (see Mitigation Measures below)

o Cumulatively Significant Only

Appendix A

Initial Study
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YES NO

- * 18. Exposure of existing area occupants to health hazards from noise levels in excess of those recognized as necessary to protect public health and welfare.
- * 19. Exposure of people to high construction noise levels for substantial periods of time.
- 20. Exposure of existing area occupants to annoyance from substantially increased ambient noise levels.

(Ecosystem)

- 21. Substantial reduction in the number of a rare or endangered species of plant or animal or damage or restriction of the habitat of such a species.
- 22. Destruction of or substantial damage to a unique, scarce, or particularly productive biological area (eg., marshes, riparian galleries, vernal pools, etc.).
- 23. Substantial reduction in habitat for plants, fish, and/or wildlife.
- 24. Substantial modification in the number or diversity of plant or animal species present.
- 25. Substantial interference with the movement of a resident or migratory fish or wildlife species.

(Social)

- 26. Disruption or division of an established community.
- 27. Displacement of a large number of people.

(Aesthetic)

- 28. Blockage or substantial degradation of important public or private views.
- 29. Exposure of new site users or existing area occupants to annoyance from increased nighttime light levels or glare.
- 30. Creation of a litter problem.

(Cultural)

- * 31. Destruction of or substantial damage to a recognized archaeological site.
- 32. Destruction of or substantial damage to the historical character of a recognized historical structure, facility, or feature.
- 33. Elimination of or conflict with the established recreational, educational, religious, or scientific uses of the project site or surrounding properties.

(Traffic)

- 34. Exposure of new site users to substantial life and/or property hazards from traffic accidents.
- 35. Exposure of the existing users of the roads providing access to the project site to substantially increased life and/or property hazards from traffic accidents.
- 36. Exposure of the users of the roadways providing access to the project site to annoyance from noticeably increased traffic congestion.

Appendix A

Initial Study

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- | YES | NO | |
|---------------|--------------|--|
| <u> </u> | <u> X </u> | 37. Increase in traffic on the roadways providing access to the project site which is substantial in relation to the existing traffic load and capacity of the street system. |
| <u> </u> | <u> X </u> | 38. Creation of a substantial local parking problem. |
| | | (Energy) |
| <u> </u> | <u> X </u> | 39. Increase in the demand for energy which is substantial in relation to the existing energy demands of the area. |
| <u> </u> | <u> X </u> | 40. Creation of a facility or development which will use fuel or energy in a wasteful manner. |
| <u> </u> | <u> X </u> | 41. Creation of a facility or development which will use substantially higher than average amounts of fuel or energy for transportation purposes. |
| | | (Public Health) |
| <u> </u> | <u> X </u> | 42. Exposure of new site users to substantial health hazards from contaminated drinking water, inadequately treated sewage and/or insect or rodent pests. |
| <u> </u> | <u> X </u> | 43. Exposure of existing area occupants to substantially increased health hazards from contaminated drinking water, inadequately treated sewage and/or insect or rodent pests. |
| <u> </u> | <u> X </u> | 44. Exposure of new site users to substantial life and/or property hazards from fire. |
| <u> </u> | <u> X </u> | 45. Exposure of existing area occupants to substantially increased life and/or property hazards from fire. |
| <u> </u> | <u> X </u> | 46. Exposure of new site users to substantial life and/or property hazards from air crashes. |
| <u> </u> | <u> X </u> | 47. Exposure of existing area occupants and/or existing air or heliport users to substantially increased life and/or property hazards from air crashes. |
| <u> </u> | <u> X </u> | 48. Exposure of new site users or existing area occupants to substantial annoyance from insect or rodent pests. |
| | | (Community Services) |
| <u> </u> | <u> X </u> | 49. Increase in the demand for a community service (eg., sewer, water, fire protection, schools, etc.) which is substantial in relation to the currently existing uncommitted capacity of the agency involved to provide such a service. |
| | | (Commercial Resources) |
| <u> </u> | <u> X </u> | 50. Perclusion of the development of aggregate, rock product, or mineral resources of current or potential importance. |
| <u> </u> | <u> X </u> | 51. Removal of a substantial amount of agricultural or grazing land from current or potential production. |
| | | (Fiscal) |
| <u> </u> | <u> X </u> | 52. Creation of a development to which it would cost the community substantially more to provide services than it would return in taxes. |
| | | (Growth Induction) |
| <u> </u> | <u> X </u> | * 53. Induction of substantial residential, commercial, or industrial development. |

Mandatory Findings of Significance

	YES	NO
Does the project:		
a) Have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	—	<u>X</u>
b) Have the potential to achieve short-term, to the disadvantage of long-term, environmental goals?	—	<u>X</u>
c) Have possible environmental effects which are individually limited but cumulatively considerable?	—	<u>X</u>
d) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	—	<u>X</u>

Impact Discussion (Optional)

- a) From a hydraulic analysis perspective, the waterlines are sized to handle design fire flows rather than sized for domestic flows. For example a comparison of 60 homes at the end of 5000 foot run of line vs. a normal fire flow (at a 60 psi pressure drop) would yield say 250 gpm vs. 1000 gpm and approximately a 4 inch line vs. a 8 inch line, respectively.
- b) In the tentative agreement with the City on a long term water supply contract, the District has agreed that the only parcels eligible for service are those existing at the date the contract is signed and only newly created parcels if they are 40 acres or more in size.
- c) The zoning of the area is AW in which any new parcel would have to be a minimum of 40 acres in size.
- d) The County's General Plan provides for a County-wide growth rate of 1% per year.

MITIGATION MEASURES:

Included By Applicant As Part of Project

See Attachment 1

Identified By This Study

DETERMINATION:

Agency Staff Participating in the Initial Study:

Resource Evaluation:	JAMES O'LOUGHLIN	Date: <u>Oct. 10, 1985</u>
Site Review By:		Date: _____
Planning/Zoning Review By:		Date: _____

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On the basis of this preliminary evaluation:

_____ I find that the project COULD NOT have a significant effect on the environment, and adoption of a NEGATIVE DECLARATION is recommended.

 X I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described above have been added to the project. Adoption of a MITIGATED NEGATIVE DECLARATION is therefore recommended.

_____ I find the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

DATE: _____ BY: JAMES O'LOUGHLIN

Appendix A
ATTACHMENT 1
Mitigation Measures for Congress County
Waterline Revitalization Project

NOISE

1. Limitation of all construction activities proposed to weekdays between 7:30 A.M. and 5:30 P.M.
2. Installation or reinstallation as needed of the state-of-the-art muffler systems required by current law on the construction equipment used. Proper maintenance of said muffler systems shall be provided.
3. Requiring proper maintenance of the construction equipment including mufflers.
4. Selection of construction techniques, staging plans, and equipment designed to produce a minimum amount of noise.
5. Existing truck roads, tractor trails and stream crossings shall be used during the operation to maximum extent possible.

ARCHAEOLOGY

6. For the site NAP516, a testing procedure of borings should be undertaken along the route of the proposed waterline prior to preparation of the construction drawings. These borings would aid in assessing the areal and vertical dimensions of the site only in its relation to proposed waterline location. A sample surface collection should also be made in the area. The surface material should then be compared to material recovered from the borings. If ~~no~~ archaeological materials are found, the District may relocate the proposed waterline to a different route that is found not to contain archaeological materials; or, at its discretion, the District may retain the services of an archaeologist to perform a salvage excavation if the materials are deemed important enough; or the District could retain the services of an archaeologist to be present during the excavation of the trench to assure that any archaeological material or human remains would be handled properly in the event they were discovered during the trenching.

If no materials are found during the testing along the proposed route, all construction shall be ceased only if any archaeological materials are found during excavation. Work could not recommence until a qualified archaeologist has reviewed the materials and developed an appropriate mitigation to cover these materials.

7. Inasmuch as spoils at site ARS 80-18-2 were found under previous testing to have minimal significance, the following shall be the only mitigation measure required. If any archaeological materials are discovered in the course of excavation in the vicinity of site ARS 80-18-2 all work shall stop until such time as a qualified archaeologist is retained to review the material and come up with an appropriate mitigation measure.

HYDROLOGY

8. Restriction of all ground disturbing activities (i.e., grading in areas off improved roads) to the dry season between April 15 and October 15.

Appendix A

9. Replanting of all areas disturbed by grading and construction activities prior to the beginning of the rainy season (by Mid-October) to the satisfaction of the Resource Conversation District. It is recommended that topsoil be stockpiled to be redistributed on cut and fill slopes for more successful revegetation efforts.
10. Use for West Napa Fault crossing and slide area crossing the same techniques as City of Napa, i.e. restrained joint, metal waterline through the risk area crossing as shown on attached sketch.
11. Preliminary design of the project shall be reviewed with the County Public Works Department to assure structural integrity of the County Roads and the traveling safety of the general public during construction.
12. Construction within the County Roads right-of-way shall be under the terms of an encroachment permit issued by County Public Works Department.

4 Dec 1985

DATE

Robert A Osterberg

ROBERT OSTERBERG
President

**FIRST AMENDMENT TO
WATER SUPPLY CONTRACT BETWEEN
THE CITY OF NAPA AND
THE CONGRESS VALLEY WATER DISTRICT
(CITY AGREEMENT NO. 5387)**

THIS FIRST AMENDMENT to the Water Supply Contract (hereinafter "First Amendment") between the CITY OF NAPA, a California charter city (hereinafter referred to as the "City") and CONGRESS VALLEY WATER DISTRICT, a County Water District (formerly the Congress County Water District, and hereinafter referred to as "District") is entered into as of the 23rd day of May, 2017.

RECITALS

- A. On or about July 1987, the City and District entered into the Water Supply Contract (City Agreement No. 5387, hereinafter referred to as "Agreement"), which describes the terms by which the City supplies water to the District.
- B. Pursuant to the Agreement, the District is responsible to initiate proceedings to dissolve the District during the final year of the Agreement, prior to expiration on July 1, 2017.
- C. The District has requested to extend the term of the Agreement in order to allow for the ongoing provision of water service to properties within the District.
- D. Accordingly, the parties now desire to amend the terms of the Agreement to extend the term for a period of five years, and to modify other terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the mutual promises contained in this First Amendment, and for other good and valuable consideration, the parties agree as follows:

ARTICLE 1. TERM

Section 1 of the Agreement is hereby deleted and replaced with the following:

"This Agreement shall become effective upon its execution by both parties. The term of this Agreement shall end on July 1, 2022, unless terminated earlier in accordance with the terms of this Agreement."

ARTICLE 2. ANNEXATION TO CITY

Section 5 of the Agreement is hereby deleted in its entirety. The City and the District hereby agree that the City is not required to make any payment to the District under the terms of former Section 5 of the Agreement.

ARTICLE 3. PRICE AND PAYMENT

Section 6 of the Agreement is hereby deleted and replaced with the following:

“6. PRICE AND PAYMENT.

6a. In return for all water provided by the City to the District, and customers within the District, in accordance with the terms of this Agreement, effective January 1, 2018, the District shall pay the City at the rates and fees in effect for “Outside City” customers, including the fees to cover the City’s costs to install or modify water services. The City shall establish the amount of the “Outside City” rates and fees in accordance with all requirements of State law, including Proposition 218. Each rate and fee identified in this Section 6 (6a through 6d) shall be as defined by resolution adopted by the City Council.

6b. In lieu of the City collecting rates and fees from the District (pursuant to Section 6a), the District hereby authorizes the City to directly bill and collect from each customer within the District the rates and fees that would otherwise be owed by the District, under the terms set forth in Sections 6c through 6e.

6c. The City shall establish an individual account with each customer (property owner or other responsible party) within the District in order to directly bill and collect the Outside City water rates and fees from each customer.

6d. As a condition of the City providing any new or modified water service: (1) the District shall provide written approval to the City, and (2) the customer has paid the City a water capacity fee (formerly called “connection fee”).

6e. Any customer receiving City water under the terms of this Agreement shall be subject to the requirements imposed on any other person receiving City water service in accordance with Napa Municipal Code Title 13.

6f. This Agreement does not prohibit the District from establishing separate fees or charges, in addition to the Outside City water fees and rates described above, to be imposed on customers and collected by the District.”

ARTICLE 4. COLLECTION AND DISBURSEMENT OF FUNDS

Section 7 of the Agreement is hereby deleted in its entirety.

ARTICLE 5. RESPONSIBILITY OF THE CITY

Section 11b of the Agreement is hereby deleted and replaced with the text set forth below. The City and the District hereby agree that the City is not required to make any payment to the District under the terms of former Section 11b of the Agreement.

“The City shall be responsible for the complete operation, maintenance and later replacement of the distribution system serving the properties within the District. The City’s responsibility ends at the meter connection to each property.”

ARTICLE 6. RESPONSIBILITY OF THE DISTRICT

Section 12b of the Agreement is hereby deleted and replaced with the following:

“No later than two (2) years prior to the termination of this agreement, the District shall initiate and facilitate discussions with the City, LAFCO, Napa County and others as appropriate to establish a transition plan for the ongoing provision of water service to the properties within the District. The plan may include some combination of the District’s initiation of dissolution proceedings, the City otherwise taking over the District’s responsibilities to provide water service, a longer term commitment by the District to continue to provide water service, or another option mutually agreeable by the District and the City.

In consideration of the services provided by the City under the terms of this Agreement, the District shall: (i) convey to the City title to all physical system assets of the District, and (ii) pay to the City any “connection fees, special assessment fees, or mitigation fees” collected by the District under the terms of former section 7 of City Agreement No. 5387, to the extent those fees were not spent by the District on physical system assets. The District shall satisfy its obligation under the preceding sentence no later than thirty (30) days prior to the earlier to occur of: (x) termination of this Agreement, or (y) dissolution of the District. The District’s physical system assets estimated to be in place at the end of this Agreement are as described on Exhibit “C,” attached hereto and incorporated herein by reference.

The District hereby authorizes the City to “wheel” water through District pipelines at no additional compensation.

The District shall be responsible for giving notice to property owners within the District of the increase in rates and fees under Proposition 218.”

ARTICLE 7. TERMINATION

Section 18 of the Agreement is hereby added as follows:

Appendix A

Upon thirty (30) days prior written notice to the City, the District may terminate this Agreement. If this Agreement is terminated, the District acknowledges that the City shall have no obligation to provide water service to any property within the District without a subsequent application to the City, and approval by the City Council in accordance with City Charter Section 180(B).

ARTICLE 8. FULL FORCE AND EFFECT


Except as expressly modified by this First Amendment, all terms and conditions contained in the original Agreement (City Agreement No. 5387) shall remain in full force and effect.


IN WITNESS WHEREOF, City and District have executed this First Amendment as of the day and year first above written.

CITY OF NAPA:

CONGRESS VALLEY WATER DISTRICT, A COUNTY WATER DISTRICT:

By: 
(Signature)

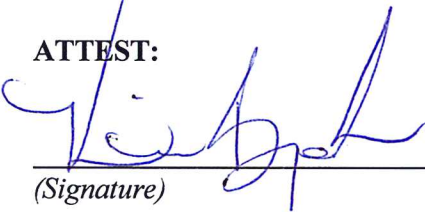
By: 
(Signature)

 Jacques R. LaRochelle, Public Works Director
(Type Name and Title)
Eric B. Whan, Deputy Public Works Director

Timothy Josten, President
(Type Name and Title)

ATTEST:

(Signature)

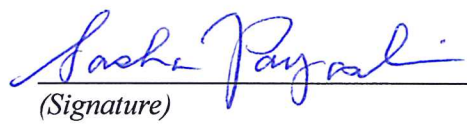
ATTEST:

(Signature)

Dorothy Roberts, City Clerk
(Type Name and Title)

Kiersten Bjorkman, Board Secretary
(Type Name and Title)

COUNTERSIGNED:

COUNTERSIGNED:

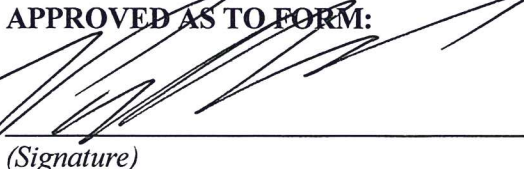

(Signature)

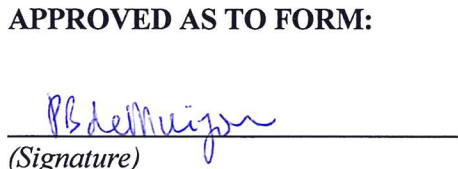

(Signature)

For Desiree Brun, City Auditor
(Type Name and Title)

Janine Layland, Vice President
(Type Name and Title)

SASHA PAYASLIAN, Deputy City Auditor

APPROVED AS TO FORM:

(Signature)

APPROVED AS TO FORM:

(Signature)

Michael Barrett, City Attorney
(Type Name and Title)

Priscillia de Muizon, Attorney
(Type Name and Title)

Appendix A

EXHIBIT C
to First Amendment to the Water Supply Contract Between
The City of Napa and the Congress Valley Water District
(City Agreement No. 5387)

Description of District's Physical System Assets

The Congress Valley Water District's physical system assets estimated to be in place at the end of this Agreement are described as all water pipelines, service lines, valves, fire hydrants, meters and other appurtenances within the District's boundaries that are associated with the conveyance, operation, maintenance, monitoring and/or control of the of water supply from the City of Napa.



LOCAL AGENCY FORMATION COMMISSION OF NAPA COUNTY

General Policy Determinations

(Adopted: August 9, 1972; Last Amended: October 3, 2011)

I. Background

The Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 specifies the Commission's principal objectives are discouraging urban sprawl, preserving open-space and agricultural resources, and encouraging the orderly formation and development of cities and special districts and their municipal services based on local conditions. Regulatory duties include approving or disapproving proposals involving the formation, reorganization, expansion, and dissolution of cities and special districts. The Commission's regulatory actions must be consistent with its adopted written policies and procedures. The Commission must also inform its regulatory duties through a series of planning activities, which includes establishing and updating spheres of influence.

II. General Policies

The intent of these policies is to serve as the Commission's constitution with regards to outlining clear goals, objectives, and requirements in uniformly fulfilling its prescribed duties. The Commission reserves discretion in administering these policies, however, to address special conditions and circumstances as needed.

A) Legislative Declarations

The Commission acknowledges and incorporates into its own policies, the policies of the Legislature regarding the promotion of orderly, well-planned development patterns that avoid the premature conversion of agricultural and open-space lands and ensure effective, efficient, and economic provision of essential public services. The Commission wishes to specifically note the following declarations and policies contained in the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000:

- (1) The Legislature recognizes that the logical formation and determination of local agency boundaries is an important factor in promoting orderly development and in balancing that development with sometimes competing state interests of discouraging urban sprawl, preserving open-space and prime agricultural lands, and efficiently extending government services. (G.C. §56000)
- (2) It is the intent of the Legislature that each commission, not later than January 1, 2002, shall establish written policies and procedures and exercise its powers pursuant to this part in a manner consistent with those policies and procedures, and that encourages and provides planned, well-ordered, efficient urban development patterns with appropriate consideration of preserving open-space lands within those patterns. (G.C. §56300)

Appendix B

- (3) In reviewing and approving or disapproving proposals which could reasonably be expected to induce, facilitate, or lead to the conversion of existing open-space lands to uses other than open-space uses, the commission shall consider all of the following policies and priorities:
 - a) Development or use of land for other than open-space uses shall be guided away from existing prime agricultural lands in open-space use toward areas containing nonprime agricultural lands, unless that action would not promote the planned, orderly, efficient development of an area.
 - b) Development of existing vacant or nonprime agricultural lands for urban uses within the existing jurisdiction of a local agency or within the sphere of influence of a local agency should be encouraged before any proposal is approved which would allow for or lead to the development of existing open-space lands for non-open-space uses which are outside of the existing jurisdiction of the local agency or outside of the existing sphere of influence of the local agency. (G.C. §56377)

B) Commission Declarations

The Commission declares its intent not to permit the premature conversion of designated agricultural or open-space lands to urban uses. The Commission shall adhere to the following policies in the pursuit of this intent, and all proposals, projects, and studies shall be reviewed with these policies as guidelines.

- (1) Use of County General Plan Designations:

In evaluating a proposal, the Commission will use the Napa County General Plan to determine designated agricultural and open-space lands. The Commission recognizes that inconsistencies may occur between the County General Plan and the affected city general plan with respect to agricultural and open-space designations. Notwithstanding these potential inconsistencies, the Commission will rely on the Napa County General Plan in recognition of the public support expressed in both the incorporated and unincorporated areas of Napa County for the County's designated agricultural and open-space lands through enactment of Measure "J" in 1990 and Measure "P" in 2008.
- (2) Location of Urban Development:

The Commission shall guide urban development away from designated agricultural or open-space lands until such times as urban development becomes an overriding consideration as determined by the Commission.

Appendix B

(3) Timing of Urban Development:

The Commission discourages proposals involving the annexation of undeveloped or underdeveloped lands to cities and special districts that provide potable water, sewer, fire protection and emergency response, or police protection services. This policy does not apply to proposals in which the affected lands are subject to a specific development plan or agreement under consideration by a land use authority. This policy does not apply to city annexation proposals in which the affected lands are part of an unincorporated island.

(4) Factors for Evaluating Proposals Involving Agricultural or Open-Space Lands:

The Commission recognizes there are distinct and varying attributes associated with agricultural and open-space designated lands. A proposal which includes agricultural or open-space designated land shall be evaluated in light of the existence of the following factors:

- a) "Prime agricultural land", as defined by G.C. §56064.
- b) "Open-space", as defined by G.C. §56059.
- c) Land that is under contract to remain in agricultural or open-space use, such as a Williamson Act Contract or Open-Space Easement.
- d) Land which has a County General Plan agricultural or open-space designation (Agricultural Resource or Agriculture, Watershed and Open-Space).
- e) The adopted general plan policies of the County and the affected city.
- f) The agricultural economic integrity of land proposed for conversion to urban use as well as adjoining land in agricultural use.
- g) The potential for the premature conversion of adjacent agricultural or open-space designated land to urban use.
- h) The potential of vacant non-prime agricultural land to be developed with a use that would then allow the land to meet the definition of prime agricultural land under the Williamson Act.

(5) Encouragement of Reorganizations:

The Commission encourages reorganization proposals as a means of coordinating actions of local governmental agencies involving, but not limited to, annexation of land to two or more public agencies. The Commission recognizes the usefulness of the reorganization concept as a vehicle designed to simplify and expedite such actions.

III. Policies Concerning Spheres of Influence

It is the intent of the Commission to establish spheres of influence that promote the orderly expansion of cities and special districts to ensure effective, efficient and economic provision of essential public services, including public sewer and water, fire protection and emergency response, and police protection.

A) Legislative Declarations

The Commission acknowledges and incorporates into its own policies, the policies of the Legislature as they relate to spheres of influence. The Commission wishes to specifically note the following declarations and policies contained in the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000:

- (1) "Sphere of influence" means a plan for the probable physical boundaries and service area of a local agency, as determined by the Commission. (G.C. §56076)
- (2) In order to carry out its purposes and responsibilities for planning and shaping the logical and orderly development and coordination of local governmental agencies so as to advantageously provide for the present and future needs of the county and its communities, the Commission shall develop and determine the sphere of influence of each local governmental agency within the county and enact policies designed to promote the logical and orderly development of areas within the sphere. (G.C. §56425(a)).
- (3) The Commission encourages cities and the County to meet and agree to sphere of influence changes. The Commission shall give "great weight" to these agreements to the extent they are consistent with its policies. (G.C. §56425(b) and (c))
- (4) On or before January 1, 2008, and every five years thereafter, the Commission shall, as necessary, review and update each sphere of influence. (G.C. §56425(g))

Appendix B

B) General Guidelines for the Review of Spheres of Influence

It is the intent of the Commission to consider the following factors whenever reviewing a proposal that includes the adoption, amendment, or update of a sphere of influence.

- (1) The Commission incorporates the following definitions:
 - a) An “establishment” refers to the initial development and determination of a sphere of influence by the Commission.
 - b) An “amendment” refers to a limited change to an established sphere of influence typically initiated by a landowner, resident, or agency.
 - c) An “update” refers to a comprehensive change to an established sphere of influence typically initiated by the Commission.
- (2) The Commission discourages proposals from residents, landowners, and agencies proposing amendments to spheres of influence unless justified by special conditions and circumstances.
- (3) The Commission shall consider the following land use criteria in establishing, amending, and updating spheres of influence:
 - a) The present and planned land uses in the area, including designated agricultural and open-space lands.
 - b) Consistency with the County General Plan and the general plan of any affected city.
 - c) Adopted general plan policies of the County and of any affected city that guide future development away from designated agricultural or open-space land.
 - d) Adopted policies of affected agencies that promote infill of existing vacant or underdeveloped land.
 - e) Amount of existing vacant or underdeveloped land located within any affected agency’s jurisdiction and current sphere of influence.
 - f) Adopted urban growth boundaries by the affected land use authorities.

Appendix B

- (4) The Commission shall consider the following municipal service criteria in establishing, amending, and updating spheres of influence:
 - a) The present capacity of public facilities and adequacy of public services provided by affected agencies within the current jurisdiction and the adopted plans of these agencies to improve any municipal service deficiency, including adopted capital improvement plans.
 - b) The present and probable need for public facilities and services within the area proposed for inclusion within the sphere of influence and the plans for the delivery of services to the area.
- (5) The Commission shall endeavor to maintain and expand, as needed, spheres of influence to accommodate planned and orderly urban development. The Commission, however, shall consider removal of land from an agency's sphere of influence if any of the two conditions apply:
 - a) The land is outside the affected agency's jurisdictional boundary but has been within the sphere of influence for 10 or more years.
 - b) The land is inside the affected agency's jurisdictional boundary, but is not expected to be developed for urban uses or require urban-type services within the next 10 years.

C) City Spheres of Influence

The Commission shall adhere to the following policies in the establishment, amendment, or update of a city's sphere of influence.

- (1) Location of Urban Development:
It shall be a basic policy of the Commission is that the sphere of influence shall guide and promote the affected city's orderly urban growth and development.
- (2) Sphere of Influence to Reflect Service Capacities:
A city's sphere of influence should reflect existing and planned service capacities based on information collected by, or submitted to, the Commission.
- (3) Use of County General Plan Agricultural and Open-Space Designations:
The Commission shall use the most recently adopted County General Plan as the basis to identify designated agricultural and open-space lands in establishing, amending, and updating a city's sphere of influence.

Appendix B

- (4) Avoidance of Inclusion of Agricultural and Open-Space Lands:
Land specifically designated as agricultural or open-space lands shall not be approved for inclusion within any city's sphere of influence for purposes of urban development unless exceptions are warranted based on the criteria outlined in Section B(3) and (4).
- (5) Preference for Infill:
The Commission will consider the amount of vacant land within the established sphere of influence of a city when considering amendments and updates. The Commission encourages sphere of influence proposals that promote the infill of existing vacant or underdeveloped land thereby maximizing the efficient use of existing city services and infrastructure as well as discouraging urban sprawl. Conversely, the Commission discourages sphere of influence proposals involving vacant or underdeveloped land that requires the extension of urban facilities, utilities, and services where infill is more appropriate.
- (6) Spheres of Influence as Guides for City Annexations:
A city's sphere of influence shall generally be used to guide annexations within a five-year planning period. Inclusion of land within a sphere of influence shall not be construed to indicate automatic approval of an annexation proposal; an annexation will be considered on its own merits with deference assigned to timing.
- (7) Joint Applications:
When an annexation is proposed outside a city's sphere of influence, the Commission may consider both the proposed annexation and the necessary change in the sphere of influence at the same meeting. The change to the sphere of influence to include the affected territory, however, shall be considered and resolved prior to Commission action on the annexation.
- (8) Cooperative Planning and Development:
Spheres of influence shall be developed by the Commission in cooperation with input from the cities and the County.
 - a) The urban areas as delineated by the spheres of influence or other boundary adopted by the Commission should be recognized and considered as part of planning and development programs of the affected cities as well as any affected special districts and the County.
 - b) The Commission shall encourage cities to first develop existing vacant and underdeveloped infill lands located within their jurisdictions and spheres of influence to maximize the efficient use of available services and infrastructure and discourage the premature conversion of agricultural and open-space lands to urban uses. The Commission shall

Appendix B

encourage the development of vacant or underdeveloped infill lands located within cities' jurisdictions before the annexation of lands requiring the extension of urban facilities, utilities, and services.

- c) No urban development should be permitted by the County to occur on unincorporated lands within a city's sphere of influence. If approval of urban development in such areas is legally required of the County, such development should conform to applicable city standards and be the subject of a joint city-County planning effort.

D) Special District Spheres of Influence

The Commission shall adhere to the following policies in the establishment, review, amendment, or update of a special district's sphere of influence.

- (1) Urbanizing Effect of Services:
It shall be a basic policy of the Commission that the establishment, amendment, or update of a special district's sphere of influence serves to promote urban development with limited exceptions.
- (2) Sphere of Influence to Reflect Service Capacities:
A special district's sphere of influence should reflect existing and planned service capacities based on information collected by, or submitted to, the Commission.
- (3) Exclusion of Agricultural and Open-Space Lands:
Land designated agricultural or open-space by the applicable city or County general plan shall not be approved for inclusion within any special district's sphere of influence for purposes of urban development through the extension of essential public services. Such designations shall be recognized by the Commission as designating the land as non-urban in character in regard to the existing use of the area or its future development potential. The Commission may consider exceptions to this policy based on evidence provided by the affected special district demonstrating all of the following:
 - a) The expansion is necessary in order to provide potable water or sewer to the territory to respond to a documented public health or safety threat.
 - b) The affected special district can provide adequate potable water or sewer service to the affected territory without extending any mainline more than 1,000 feet.
 - c) The expansion will not promote the premature conversion of agricultural or open-space land to urban use.

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- (4) Sphere of Influence as a Guide to Special District Annexations:
A special district's sphere of influence shall generally be used to guide annexations within a five-year planning period. Inclusion of land within a sphere of influence shall not be construed to indicate automatic approval of an annexation proposal; an annexation will be considered on its own merits with deference assigned to timing.
- (5) Joint Applications:
When an annexation is proposed outside a special district's sphere of influence, the Commission may consider both the proposed annexation and the necessary change in the sphere of influence at the same meeting. The change to the sphere of influence to include the affected territory, however, shall be considered and resolved prior to Commission action on the proposed annexation.
- (6) Cooperative Planning and Development Programs:
Spheres of influence shall be developed by the Commission in cooperation with any affected cities and the County.
 - a) The service area of a special district as delineated by the sphere of influence or other boundary adopted by the Commission should be recognized and considered as part of the planning and development programs of any affected district, city, and the County.

IV. Policies Concerning the County Of Napa

A) Location of Urban Development

- (1) Development of an urban character and nature should be located within areas designated as urban areas by the County General Plan in close proximity to a city or special district which can provide essential public services.
- (2) Urban development should be discouraged if it is apparent that essential services necessary for the proposed development cannot readily be provided by a city or special district.
- (3) The Commission shall review and comment, as appropriate, on the extension of services or the creation of new service providers to furnish services into previously unserved territory within unincorporated areas.

B) Use of County Service Areas and Community Services Districts

- (1) In those unincorporated urban areas where essential urban services are being provided by the County, the Board of Supervisors should consider the establishment of county service areas or community services districts so that area residents and landowners pay their fair and equitable share for the services received.

V. Policies Concerning Cities

A) Incorporations

- (1) The Commission discourages proposals to incorporate communities unless substantial evidence suggests the County and any affected special district are not effectively meeting the needs of the community.
- (2) The Commission discourages proposals to incorporate communities involving land that is not already receiving essential public services from a special district.
- (3) Any community proposed for incorporation in Napa County shall have at least 500 registered voters residing with the affected area at the time proceedings are initiated with the Commission as required under G.C. §56043.

B) Outside Service Agreements

- (1) Commission approval is needed for a city to provide new or extended services outside its jurisdictional boundary by contracts or agreements. A Request by a city shall be made by resolution of application and processed in accordance with G.C. §56133.
- (2) The Commission shall incorporate the following definitions in administering these policies:
 - a) “Services” shall mean any service provided by a city unless otherwise exempted under G.C. 56133.
 - b) “New” shall mean the actual extension of a municipal service to previously unserved non-jurisdictional land. Exceptions include non-jurisdictional land in which the city or County has adequately contemplated the provision of the subject service on or before January 1, 2001 as determined by the Commission.
 - c) “Extended” shall mean the intensification of an existing municipal service provided to non-jurisdictional land associated with a land use authority’s redesignation or rezoning after January 1, 2001 as determined by the Commission.
- (3) The Commission shall establish policies and procedures in the review of outside service agreement requests involving a city.

VI. Policies Concerning Special Districts

A) In Lieu of New District Creation

- (1) Where a limited-purpose special district exists and additional services are required for an unincorporated area designated as urban by the County General Plan, the Commission encourages reorganizations to provide the extended services of the existing limited services special district.

B) Preference for Districts Capable of Providing All Essential Services

- (1) All new special districts proposed for formation in the unincorporated urban areas as designated under the County General Plan should be capable of providing essential urban type services which include, but are not limited to, water, sanitation, fire protection, and police protection.

C) Establishing New Services or Divestiture of Existing Service Powers

- (1) Commission approval is required for a special district to establish new services or divest existing service powers within all or parts of its jurisdictional boundary. Requests by a special district shall be made by adoption of a resolution of application and include all the information required and referenced under G.C. §56824.12.
- (2) The Commission incorporates the following definitions in administering these policies:
 - a) “New” shall mean activating a latent service not previously authorized.
 - b) “Divestiture” shall mean deactivating a service power previously authorized.
- (3) The Commission shall consider the effect of the proposal in supporting planned and orderly growth within the affected territory.

D) Outside Service Agreements

- (1) Commission approval is needed for a special district to provide new or extended services outside its jurisdictional boundary by contracts or agreements. Requests made by special districts shall be made by resolution of application and processed in accordance with G.C. §56133.

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- (2) The Commission shall incorporate the following definitions in administering these policies:
 - a) “Services” shall mean any service provided by a special district subject to the jurisdiction of the Commission unless otherwise exempted under G.C. 56133.
 - b) “New” shall mean the actual extension of a municipal service to previously unserved non-jurisdictional land. Exceptions include non-jurisdictional land in which the special district or land use authority has adequately contemplated the provision of the subject service on or before January 1, 2001 as determined by the Commission.
 - c) “Extended” shall mean the intensification of an existing municipal service provided to non-jurisdictional land associated with a land use authority’s redesignation or rezoning after January 1, 2001 as determined by the Commission.
- (3) The Commission shall establish policies and procedures in the review of outside service agreement requests involving a special district.

VII. Policies Concerning Annexations

A) General Policies Concerning Annexations to a City

- (1) Inclusion in Sphere of Influence:

The affected territory shall be included within the affected city sphere of influence prior to issuance of the Executive Officer's certificate of filing for the subject annexation proposal. The Executive Officer may amend both a sphere of influence amendment and annexation application for Commission consideration and action at the same meeting.
- (2) Substantially surrounded:

For the purpose of applying the provisions of the Cortese-Knox-Hertzberg Local Government Reorganization Act, most notably G.C. §56375, the affected territory of an annexation proposal shall be deemed “substantially surrounded” if the following two conditions apply:

 - a) The affected territory lies within the city’s sphere of influence.
 - b) The affected territory is surrounded by no less than 66.6% by the city, as set forth in a boundary description accepted by the Executive Officer.

B) Policies Concerning Island Annexations

- (1) Boundary of Areas Not 100% Surrounded by City:
The outside boundary of an unincorporated island less than 100% surrounded shall be the affected city sphere of influence boundary line.
- (2) Criteria for Determining a Developed Island:
A developed island shall substantially meet all the following criteria:
 - a) The island shall have a housing density of at least 0.5 units per gross acre.
 - b) All parcels within the island can readily receive from the affected city or any affected special district basic essential services including but not limited to police protection, fire protection, potable water and sanitation.
- (3) Policy Regarding Annexations Within an Identified Island Area:
When an annexation proposal includes territory within a developed island, the Commission shall invite the affected city to amend the boundary of the proposed annexation to include the entire island. To the extent permitted by law, the Commission reserves the right to expand the boundaries of the proposed annexation to include the entire island.

C) Policies Concerning Annexation of Municipally-Owned Land

- (1) Restricted Use Lands Owned by Public Agencies:
The Commission shall disapprove annexation of publicly-owned land designated agricultural or open-space or subject to a Williamson Act contract unless the land will be used for a municipal purpose and no suitable alternative site reasonably exists within the affected city's sphere of influence.
- (2) Facilities Exempt from Policy:
Municipal purpose shall mean a public service facility which is urban in nature such as water and sewage treatment facilities and public buildings, but shall not include land which is vacant or used for wastewater reclamation irrigation, a reservoir, or agricultural, watershed or open-space.

D) Concurrent Annexation Policies

It is the intent of the Commission to promote concurrent annexations to cities and special districts whenever appropriate. The Commission may waive its concurrent annexation policies based on unique conditions or circumstances surrounding the annexation proposal which make application of the policy impractical and will not result in the annexation of lands designated agricultural or open-space by the applicable city or County General Plan.

(1) City of Napa and Napa Sanitation District

a) Annexations to the District:

All annexation proposals to the Napa Sanitation District located outside of the City of Napa shall first be required to annex to the City if the affected territory is located within the City's sphere of influence as adopted by the Commission, is located within the City Residential Urban Limit Line (RUL) as adopted by the City, and annexation is legally possible.

b) Annexations to the City:

All 100% consent annexation proposals to the City of Napa located outside of the Napa Sanitation District shall be required to annex to the Napa Sanitation District if the affected territory is located within the District's sphere of influence and if sanitation service is available.

(2) City of American Canyon and American Canyon Fire Protection District

a) Annexations to the District:

All annexation proposals to the American Canyon Fire Protection District located outside of the City of American Canyon shall be required to annex to the City if the affected territory is located within the City's sphere of influence as adopted by the Commission and if annexation is legally possible.

b) Annexations to the City:

All annexation proposals to the City of American Canyon located outside of the American Canyon Fire Protection District shall be required to annex to the District if the affected territory is located within the District's sphere of influence.

(3) County Service Area No. 4

a) Annexations to Cities:

All annexation proposals to a city shall be required to concurrently detach from County Service Area No. 4 unless the affected territory has been, or is expected to be, developed to include planted vineyards totaling one acre or more in size.

Los Carneros Water District

September 7, 2017

Mr. Brendon Freeman, Executive Officer
Local Agency Formation Commission of Napa County
1030 Seminary Street, Suite B
Napa, California 94559

Dear Brendon:

During the August LAFCO meeting, as the Commission was considering the Congress Valley Water District's Municipal Service Review / Sphere of Influence, the Carneros Inn properties were discussed. Well water availability is a documented problem for all of Congress Valley, and to some extent the Carneros area as well. During that discussion, the Commission members inquired about recycled water availability for the Carneros Inn site. The LCWD recycled water project came up.

In your subsequent e-mail to me, you posed several questions about our project, and the process that would be involved to connect to our distribution system.

The LCWD boundary established by LAFCO is immediately south of the Carneros Inn. The Water District territory includes just over 260 parcels. The Assessment District, formed in 2014 to fund a \$16 million construction project to install 9 miles of distribution system for recycled water, includes only 106 of those parcels.

In developing the scope of the project funded by the assessment, we did a lot of outreach to the Water District community between 2008 and 2014, to determine which Land Owners were interested and which Land Owners were not interested. The outreach consisted of two mail surveys, and three Prop 218 protest ballot tabulations.

As we continued in the planning process, we actually chose not to extend the pipeline up Los Carneros Avenue (past Withers Road) because there were only one or two parcels whose Owners expressed interest, and the economics just didn't work out.

Since we didn't feel that it was appropriate to install a pipeline any bigger or any longer than what was minimally necessary to meet the needs of the Land Owners who were mortgaging their property to fund the project, the recycled pipeline was carefully sized to meet only the needs of the participants. In fact, that is why we use a Water Master concept to schedule which Land Owner can use water: how much water, on what day, during what hours of that day, and at what rate of flow.

Right now, we have a list of about a dozen Land Owners who initially chose not to include their land in the Assessment District, who now (ie, once the pipe line was economically installed with a lot of grant funding) are highly interested. The Board's position is that we will wait a couple of years to see what happens when our pipeline system is under full design (water demand) load (to see if the wheels come off the wagon in the corners or not.)

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So, the initial answer is that there is not room for additional folks. Beyond that, there is a limited water allocation to LCWD from the Napa Sanitation District. The Water District's consulting engineers estimate that we need about 800 acre feet of water during the six summer months. NSD has allocated only 400 acre feet of Summer Water to the Water District. Unless additional allocation is received there is no room for additional users.

From an engineering perspective, a pump station could be built to add capacity to the delivery system and accommodate additional users. We had our engineers study that concept to verify that it could happen. They felt that such a pump station would cost in excess of \$1 Million. The Board's position on the pump station is that if the pump station were ever constructed, the construction would be at the sole expense of the newcomers, and the pump station's continued operation and maintenance cost would be solely borne by the newcomers.

The first step for the Carneros Inn would be to approach the LCWD Board with a proposal to be included into the recycled water delivery system. The Water District would consider the concept of connection. NSD would also be involved, since they own and operate the system. My recommendation to the Board would be that the Carneros Inn be added to the list (of the dozen.) And, if the dozen wanted to move ahead, then an Engineering Feasibility Study would need to be done. As a part of that study, a determination of the cost of the work would be developed. An additional assessment district would be needed to fund the Engineering Feasibility Study, Preliminary Design, Final Design, the construction project, construction management, and the ongoing costs associated with a pumping station (operation, maintenance, power and replacement) as well as the cost of buying in to the existing system.



A key element in the answer to the Commissioner's question is that the Carneros Inn collects, treats, and recycles everything it uses as potable water (less any minor evaporative losses from their storage pond, and less any sludge hauled away.) They are already recycling at nearly 100%. And, if they get an easier and more reliable water supply, like the City supply, then they would use more water, and therefore have more water to recycle, which would probably mean a little bit more robust landscape.

Please phone if you have questions or need additional information.

Sincerely,



John W. Stewart, President
Cell = 707.738.4600

SMALL WATER SYSTEM
2014 ANNUAL REPORT TO THE DRINKING WATER PROGRAM
FOR YEAR ENDING DECEMBER 31, 2014
[Section 116530 Health & Safety Code]

WATER SYSTEM INFORMATION	
Water System No.:	CA2800538
Water System Name:	CARNEROS INN
Water System Classification: 	Community Water System
Water System Ownership (See descriptions below):	Privately owned Mutual Water Company or Association
Physical location: (address line 1, address line 2, city, zip)	4048 Sonoma Hwy. NAPA 94559
General Office Phone: (with area code) 	707-299-4936
Web site address:	

Water System Ownership Descriptions:

- Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc.
- State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility
- Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium
- Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment

REPORT SUBMITTED BY: 	
Name:	Dan Philbin
Title:	Director of Facilities
Business phone:	707.246.1636
Cell phone:	
Email address:	dphilbin@thecarnerosinn.com

COMMENTS: 

1. Public Water System Contacts 

[Click here](#) to learn how to Modify, Add and Delete Contacts in the table below.

IMPORTANT: Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.

Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking

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Water will be sent to the email address of the Administrative Contact.

NAME, TITLE & ADDRESS	PHONE TYPE	PHONE NO.	EMAIL	CONTACT TYPE (pick all that apply)	
_ROGAL, KEITH 4048 SONOMA HIGHWAY NAPA CA 94559	Business	707-287-0380	khrogal@rogal.net	** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency

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	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
Dan Philbin	Business	707-299-4936	dphilbin@thecarnerosinn.com --2nd Email Addr-	Administrative	Operator
Director of Facilities	Facsimile	707-299-4999		Financial	Emergency
The Carneros Inn 4048 Sonoma Hwy	Mobile	707-246-1636		Designated Operator In Charge	Water Quality
Napa CA 94559	Emergency	707-246-1636		Owner	Legal
				Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
Greg Flynn	Business	415-835-9700	gflynn@flynnholdings.com --2nd Email Addr-	Administrative	Operator
President	Facsimile	--Fax No--		Financial	Emergency
GF Carneros Tenant, LLC 225 Bush St, Suite 1800	Mobile	--Mob. #--		Designated Operator In Charge	Water Quality
San Francisco Ca 94104	Emergency	--Emer. #--		Owner	Legal
				Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--	--Email Addr-- --2nd Email Addr-	Administrative	Operator
--Title--	Facsimile	--Fax No--		Financial	Emergency
--Address Line 1-- --Address Line 2--	Mobile	--Mob. #--		Designated Operator In Charge	Water Quality
--City-- --ST-- --Zip--	Emergency	--Emer. #--		Owner	Legal
				Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--	--Email Addr--	Administrative	Operator
--Title--	Facsimile	--Fax No--		Financial	Emergency
--Address Line 1--				Designated	

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--Address Line 2--	Mobile	--Mob. #--	--2nd Email Addr-	Operator In Charge	Water Quality
--City-- --ST-- --Zip--	Emergency	--Emer. #--		Owner	Legal
				Funding	Contract Operator

COMMENTS: ?

2. POPULATION SERVED

Population Type	Population ?	Annual Operating Period ?					
		Begin Date		End Date			
		MM	DD	MM	DD		
Residential ¹	30	Method Used to Determine Population: Other		01	01	12	31
Transient ²	175	01	01	12	31		
Nontransient ³	200	01	01	12	31		

MM = month, in 2-digit format DD = day, in 2-digit format

Descriptions:

¹Residential ? – report the number of persons who reside within the water system service area for more than half of the year (excludes transient and nontransient populations). If year-round, the *Begin Date* would be 01/01 and the *End Date* would be 12/31.

²Transient ? – report the number of persons who are at the water system on the 60th busiest day of the year (excludes residential and nontransient populations). Report the *Begin Date* and *End Date* if the Transient use is seasonal.

³Nontransient ? – report the number of the persons who are at the water system for over 6 months per year (excludes residential and transient populations). Report the *Begin Date* and *End Date* if the Nontransient use is seasonal.

List the names of communities served by the system identifying both incorporated and unincorporated areas:

COMMENTS: ?

3. NUMBER OF SERVICE CONNECTIONS *(as of December 31, 2014)*

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:	1
--	---

The total number of Service Connections as of December 31, 2014 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

	Potable Water	Recycled Water

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TYPE	Unmetered	Metered	Total*	Unmetered	Metered	Total*
Do NOT report fire sprinkler connections and fire hydrants. These connections are not counted toward “service connections” for compliance purposes.						
<u>Single-family Residential:</u> single family detached dwellings	0	24	24	24	0	24
<u>Multi-family Residential:</u> duplexes, town homes, condominiums, apartments, and trailer parks	0	17	17	0	0	0
<u>Commercial/Institutional:</u> hotels, schools, prisons, hospitals, nursing homes, dormitories, laundries, retail establishments (malls, shopping centers, retail stores, service shops, restaurants), office buildings, gas stations, and other service connections that do not meet any of the connection type definitions	100	0	100	0	0	0
<u>Industrial:</u> industrial parks, manufacturing, warehouses, utilities, assemblers	0	0	0	0	0	0
<u>Landscape Irrigation:</u> Play fields, golf courses, roadways, median strips, cemeteries, parks and other dedicated landscape connections	0	0	0	0	1	1
<u>Agricultural Irrigation:</u> irrigation of commercially-grown crops and other dedicated agricultural connections	0	0	0	0	0	0
Total Active Connections*	100	41	141	24	1	25

*Calculated field

B. Number of Inactive Connections (all types)	0
Include only service connections that have been physically disconnected (i.e., meter removed) from the water system. All other service connections should be considered as “Active.”	

COMMENTS: [?](#)

4. GROUNDWATER (GW) AND SURFACE WATER (SW) SOURCES [?](#)

GROUNDWATER SOURCES (INCLUDING STANDBY SOURCES)

PSCode ?	Name	Activity ?
2800538-001	ROGAL1	A
2800538-002	PRIUS 08	A
2800538-004	JV06	A

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--	--	--

Add sources not listed above. Describe changes to sources above under "Comments".

PSCode ?	Name	Activity ?	Comments
City of Napa Municipal Water	Trucked water	Water hauled in by licensed water hauling truck	

SURFACE WATER INTAKES

PSCode ?	Name	Activity ?

Add sources not listed above. Describe changes to sources above under "Comments".

PSCode ?	Name	Activity ?	Comments

DISCUSS CHANGES TO ABOVE SOURCES [?](#)

If a STANDBY SOURCE was used in 2014, provide the following information.

Name of the Standby Source used in 2014:	No. of days the Standby Source was in operation:	Were customers notified? (Y/N)	Was DDW or Local County Staff notified? (Y/N)	Describe the reason the Standby Source was used:

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COMMENTS:

5. WATER PRODUCED, PURCHASED AND SOLD

The **Maximum Day** is the day during 2014 with the highest total water usage. Provide the *date* for that day in Column B, then complete Columns C, D and E, indicating how much of the water on that day was from each source.

The **Maximum Month** is the month during 2014 with the highest total water usage. Provide the *month* in Column B, then complete Columns C, D and E, indicating how much of the water during that month was from each source.

Units of Measure for this table: Gallons

Volumes are based on: METERED VOLUMES

A	B	C	D	E	F	G	H	I
	Potable Water						Non-potable (exclude recycled)	Recycled
	Date/ Month	Water Produced from Groundwater (Wells)	Water Produced from Surface Water²	Finished Water Purchased or Received from another PWS⁵	Total Amount of Potable Water^{3*}	Water Sold to Another PWS⁵		
Maximum Day ¹	13/08	47463	0		47463	0		
Maximum Month	08	766648	0		766648	0		
January		260858	0	506000	766858	0	0	99324
February		392346	0	156000	548346	0	0	0
March		478393	0	139000	617393	0	0	0
April		400282	0	345000	745282	0	0	181962
May		716572	0	479000	1195572	0	0	1063434
June		842018	0	459000	1301018	0	0	1087447
July		833453	0	625000	1458453	0	0	1113625
August		766648	0	748000	1514648	0	0	1296681
September		672130	0	540000	1212130	0	0	1100668
October		762085	0	556000	1318085	0	0	953671
November		674824	0	597000	1271824	0	0	264507
December		669725	0	344000	1013725	0	0	0
Annual Total*		7469334	0	5494000	12963334	0	0	7161319
Percent Treated ⁴		100						

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PWS = Public Water System

*Calculated field

Non-potable = water supplies that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation or toilet flushing

¹Only report Maximum Day if it is actually measured or determined from production records. It should not be the average day demand during the maximum month of production.

²Do not include raw water purchased; report only volume of water that was treated.

³(F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. To update, click below

⁴This is the percentage of the total annual volume for Groundwater produced that was provided treatment to meet drinking water standards other than precautionary disinfection.

⁵If water was *Purchased* from or *Sold* to another PWS, complete the table below:

Specify whether water was <i>Purchased</i> or <i>Sold</i>	Name of PWS
Purchased	City of Napa Municipal Water System

If recycled water was *supplied to your customers*, complete the table below:

Specify the level of treatment (e.g., tertiary, disinfected secondary)	Name of Recycled Water supplier
Tertiary	Carneros Inn Waste Water treatment Plant

COMMENTS: ?

6a. WATER RATES

Indicate the type of water rate structure ? used by your water system: Flat Base Rate + Variable Usage Rate

What is your billing frequency ? other

Complete the table below providing specific water rates applied to your customers:

Connection Type	FLAT BASE RATE	UNIFORM USAGE RATE	VARIABLE BASE RATE (provide range)		VARIABLE USAGE RATE (provide range)	
	\$ (Base)	\$ per hcf ?	\$ Low	\$ High	\$ per hcf Low	\$ per hcf High
RESIDENTIAL ?						
Single-family Residential	9.61				8.42	14.68

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Multi-family Residential		10.69				
Do you provide lifeline/low income subsidies? No						
If Yes, provide rates:						
NON-RESIDENTIAL ?						
Commercial/Institutional						
Industrial						
Landscape Irrigation						
Agricultural Irrigation						
Other						
Do you have fire suppression surcharges? No						
If Yes, provide rates:						
Do you have other surcharges? No						
If Yes, provide rates:						

AVERAGE MONTHLY RESIDENTIAL WATER COST: 103\$/mo.

This value can be calculated by dividing your total annual revenues from residential customers by 12 and then dividing a second time by the number of residential service connections. If you are unable to differentiate revenues by type of customer {residential, industrial, agricultural}; then take your total annual revenues from all water rate payments and divide by 12 and then divide by your total number of service connections.

NOTE: If this is not a "Community" Water System; enter N/A. If individual customers do not pay a separate bill for water enter "0".

6b. WATER DELIVERIES

Units of Measure for this table: Gallons

Provide monthly **metered** water deliveries in the table below.

A	B	C	D	E	F	G	H	I	J
	Single-family Residential	Multi-family Residential	Commercial/Institutional	Industrial	Landscape Irrigation	Other	Total Urban Retail ^{1*}	Agricultural	Other PWS
Check if Recycled Water is included:									
January	185010	134400	100000				419410		
February	185010	57800	100000				342810		
March	175830	102800	100000				378630		
April	221230	87700	100000				408930		
May	211070	100600	100000				411670		
June	1050438	245080	98500				1394018		
July	988930	274890	103200				1367020		

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August	1144980	265332	89800				1500112		
September	788684	272850	105530				1167064		
October	840295	220218	79870				1140383		
November	820766	247790	65500				1134056		
December	654779	146340	94200				895319		
Total*	7267022	2155800	1136600	0	0	0	10559422	0	0

PWS = Public Water System

*Calculated field

¹Total Urban Retail = Sum of Columns (B) thru (G), automatically calculated. To update, click below

COMMENTS: [?](#)

7. WATER QUALITY

ANNUAL NITRATE SAMPLING

Regulations require a minimum of **annual** sampling for nitrate. If any nitrate result is $\geq 1/2$ the MCL of 45 mg/L (i.e., a result of ≥ 23 mg/L nitrate) then quarterly monitoring must be initiated.

Did your system conduct monitoring for nitrate during 2014 from each source?	No
--	----

NOTE: If there were any sources that were not monitored because they were offline during 2014, you must contact your local regulatory agency to avoid an enforcement action for failure to monitor.

BACTERIOLOGICAL SAMPLE SITING PLAN

The coliform monitoring regulations require that an updated sample-siting plan be submitted at least every 10 years, and at any time the plan no longer ensures representative monitoring of the system (Section 64422 of Title 22).

Date of current bacteriological sample siting plan:	12/23/2013
---	------------

COMMENTS: [?](#)

8. WATER TREATMENT

Treatment Plant	Required Treatment Plant Operator Classification
Carneros Inn Water Treatment Plant	T1

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If treatment was added or changed in any way in 2014, provide a brief description and identify the water source

TD = Treatment or Distribution operator at any level

NR, N/A, NA = There are no facilities subject to the Certified Treatment Plant Operator requirements

DIRECT ADDITIVES

Are all chemicals used NSF/ANSI Standard 60 certified?	Yes
--	-----

INDIRECT ADDITIVES

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.

Does your water system have procedures to ensure all future equipment and materials meet this standard?	Yes
---	-----

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

COMMENTS: [?](#)

9. CROSS-CONNECTION CONTROL [?](#)

	Total Number in System	Number Installed in 2014	Number Tested in 2014	Number Failed in 2014	Number Repaired/ Replaced
Backflow Assemblies ? on the Service Connections or Meter	0	0	0	0	0
Backflow Assemblies On-site but not on the Service Connections or Meter ?	10	0	0	0	0
Air-gap Separation ?	0	0			

No. of <i>Inactive</i> Backflow Prevention Assemblies ? in water system in 2014 :	0
Date of last cross-connection control survey done on the system:	05/20/2015
Name of designated Cross Connection Control Program Coordinator:	Dan Philbin

Describe any cross-connection incidents [?](#) that occurred during 2014:

COMMENTS: [?](#)

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10. CONSUMER CONFIDENCE REPORT *(does not apply to Transient Noncommunity water systems)*

THE 2014 CCR MUST BE DISTRIBUTED TO YOUR CUSTOMERS AND A COPY SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY JULY 1, 2015. IN ADDITION, PUBLIC WATER SYSTEMS THAT ARE ALSO REGULATED BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION (PUC) MUST MAIL A COPY OF THEIR CCR TO THE PUC BY JULY 1, 2015.

CERTIFICATION MUST BE SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY OCTOBER 1, 2015, STATING THAT THE 2014 CCR HAS BEEN DISTRIBUTED TO CUSTOMERS AND THAT THE INFORMATION IS CORRECT.

The CCR guidance, CCR template, and the certification form can be obtained from the Division of Drinking Water web site at: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml

Indicate the date your 2014 CCR was distributed or will be distributed to your customers:	06/30/2015 mm/dd/yyyy
---	-----------------------

COMMENTS:

11. OPERATOR CERTIFICATION

A. Please list the State certified Water **Treatment Plant Operators** employed by your water system that supervise and direct the operation of your water treatment plants, beginning with the chief operator(s) .

Your Highest Treatment System Classification is: **Classification is Unavailable**

Name	Grade of Operator	Chief or Shift ¹ (C/S)	Operator Number	Expiration Date
Daniel Philbin	T1	C	29513	02/01/17

¹Use "C" for Chief Operator and "S" for Shift Operator. If neither, leave blank.

Do your Chief and Shift Treatment Plant Operators have the minimum level required? **Yes**

B. Please list the State certified Water **Distribution Operators** employed by your water system that supervise and direct the operation of your distribution systems, beginning with the chief operator(s) .

Your Distribution System Classification is: **Classification is Unavailable**

Name	Grade of Operator	Chief or Shift ¹ (C/S)	Operator Number	Expiration Date
Daniel Philbin	D2	C	35156	05/01/16

¹Use "C" for Chief Operator and "S" for Shift Operator. If neither, leave blank.

Do your Chief and Shift Distribution System Operators have the minimum level required? **Yes**

COMMENTS:

12. WATER SYSTEM IMPROVEMENTS

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
 - Adding a new source
 - Changing the status of an existing source (for example, active to standby) or
 - Changing or altering a source, such that the quality or quantity of water supply could be affected
- Any addition or change in treatment, including
 - Design capacity
 - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2014 for which a permit was not obtained, please describe the improvements or modifications below.

Indicate any planned improvements or modifications for 2015.

COMMENTS: 

13. COMPLAINTS REPORTED (WRITTEN OR VERBAL)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	10	10	0	Hydrogen sulfide smell due to sulfate reducing bacteria present in the well water.
Color	4	4	0	Dark or greenish tint related to sulfate reducing bacteria.
Turbidity	2	2	0	Black, cloudiness to water related to sulfate reducing bacteria.
Visible Organisms	0	0	0	
Pressure (High or Low)	0	0	0	
Water Outages	0	0	0	

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Illnesses (Waterborne)	0	0	0	
Other (Specify)	0	0	0	
Total No. of Complaints*	16	16	0	

*Calculated field

COMMENTS: ?

14. SYSTEM PROBLEMS

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken
Service Connection Breaks/ Leaks	0	0	0	
Main Breaks/Leaks	0	0	0	
Water Outages ?	0	0	0	
Boil Water Orders	0	0	0	
Total*	0	0	0	

COMMENTS: ?

15. ONGOING WATER SYSTEM VIOLATIONS

Is your water system operating under USEPA, Division or LPA enforcement for a continuous violation?	No
---	----

If yes, respond to the following:

Type of violation (for example, specify "Nitrate MCL" violation if your wells exceeds the nitrate MCL of 45 mg/L)	
Dates in 2014 that public notification was provided to users	
Corrective action taken in 2014	

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Was bottled water provided to users?	--Pick one--
If yes, how was bottled water provided, for example, direct delivery?	
Describe anticipated schedule to return to compliance	

COMMENTS:

16. WATER CONSERVATION AND DROUGHT PREPAREDNESS

Date of your revised Drought Preparedness Plan, if any:	
If you experienced water shortages in 2014, please estimate the amount of shortfall in millions of gallons:	
Did drought conditions cause you to activate emergency standby wells in 2014?	No
Do you project water shortages in the current calendar year?	No
Did you implement NEW water conservation measures in 2014?	Yes
If you implemented NEW water conservation measures in 2014, please estimate how much water was conserved in millions of gallons (relative to 2013): 1 (MG) 7 % reduction in demand	
Do you anticipate having to go to mandatory rationing in the upcoming year?	No
Are your water sources metered?	Yes
Do you routinely monitor the <i>static</i> water levels in your wells?	Yes
Do you routinely monitor the <i>pumping</i> water levels in your wells?	Yes
Are these levels recovering, declining or steady?:	Steady



Please list any other long term actions you are considering or planning:

COMMENTS:

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states that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violations for each day that the violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in county jail not to exceed one year, or both the fine and imprisonment.

SMALL WATER SYSTEM
2015 ANNUAL REPORT TO THE DRINKING WATER PROGRAM
FOR YEAR ENDING DECEMBER 31, 2015
[Section 116530 Health & Safety Code]

WATER SYSTEM INFORMATION	
Water System No.:	CA2800538
Water System Name:	CARNEROS INN
Water System Classification: 	Community Water System
Water System Ownership (See descriptions below):	Privately owned, non-PUC-regulated (Community Water System)
Physical location: (address line 1, address line 2, city, zip)	4048 Sonoma Hwy. NAPA 94559
General Office Phone: (with area code) 	707-246-1636
Web site address:	www.thecarnerosinn.com

Water System Ownership Descriptions:

- Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc.
- State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility
- Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium
- Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment

REPORT SUBMITTED BY: 	
Name:	Dan Philbin
Title:	Director of Facilities
Business phone:	707.246.1636
Cell phone:	
Email address:	dphilbin@thecarnerosinn.com

COMMENTS:


1. Public Water System Contacts 

[Click here](#) to learn how to Modify, Add and Delete Contacts in the table below.

IMPORTANT: Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.

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Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking Water will be sent to the email address of the Administrative Contact.



PHONE TYPE: Home – if you use your home or personal phone number as your business number, use the HOME phone type instead and leave the BUSINESS phone type blank.
 Only the BUSINESS phone type will appear in Drinking Water Watch (<https://sdwis.waterboards.ca.gov/PDWW/>), which can be viewed by the public, if the General Office phone number is not provided (see Water System Information section under the Intro tab).

NAME, TITLE & ADDRESS	PHONE TYPE	PHONE NO.	EMAIL	CONTACT TYPE (pick all that apply)	
_ROGAL, KEITH 4048 SONOMA HIGHWAY NAPA CA 94559	Business	707-287-0380	khrogal@rogal.net	** Delete Contact **	
	Home			Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
Dan Philbin Director of Facilities 4048 Sonoma Highway Napa CA 94559	Business	7072994936	dphilbin@thecarnerosinn.com	** Delete Contact **	
	Home			Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
Robert Heiser Director of Finance 4048 Sonoma Highway Napa CA 94559	Business	707-299-4987		** Delete Contact **	
	Home			Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact **	
	Home			Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact **	
	Home			Administrative	Operator
	Facsimile			Financial	Emergency

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	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Home			Financial	Emergency
	Facsimile			Designated Operator In Charge	Water Quality
	Mobile			Owner	Legal
	Emergency			Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Home			Financial	Emergency
	Facsimile			Designated Operator In Charge	Water Quality
	Mobile			Owner	Legal
	Emergency			Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Home			Financial	Emergency
	Facsimile			Designated Operator In Charge	Water Quality
	Mobile			Owner	Legal
	Emergency			Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--	--Email Addr--	Administrative	Operator
--Title--	Home	--Fax No--		Financial	Emergency
--Address Line 1-- --Address Line 2--	Facsimile	--Mob. #--	--2nd Email Addr--	Designated Operator In Charge	Water Quality
--City-- --ST-- --Zip--	Mobile			Owner	Legal
	Emergency	--Emer. #--		Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--	--Email Addr--	Administrative	Operator
--Title--	Home	--Fax No--		Financial	Emergency
--Address Line 1-- --Address Line 2--	Facsimile	--Mob. #--	--2nd Email Addr--	Designated Operator In Charge	Water Quality
--City-- --ST-- --Zip--	Mobile			Owner	Legal
	Emergency	--Emer. #--		Funding	Contract Operator
Add Additional Contact				(pick all that apply)	

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--Contact Name--	Business	--Bus. #--	--Email Addr--	Administrative	Operator
--Title--	Home	--Fax No--		Financial	Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	--Mob. #--	--2nd Email Addr-	Designated Operator In Charge	Water Quality
--City-- --ST-- --Zip--	Emergency	--Emer. #--		Owner	Legal
				Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	--Bus. #--	--Email Addr--	Administrative	Operator
--Title--	Home	--Fax No--		Financial	Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	--Mob. #--	--2nd Email Addr-	Designated Operator In Charge	Water Quality
--City-- --ST-- --Zip--	Emergency	--Emer. #--		Owner	Legal
				Funding	Contract Operator
COMMENTS:					

2. POPULATION SERVED

Population Type	Population	Annual Operating Period					
				Begin Date	End Date		
				MM	DD	MM	DD
Residential ¹	30	Method Used to Determine Population: Other		01	01	12	31
Transient ²	175			01	01	12	31
Nontransient ³	200			01	01	12	31

MM = month, in 2-digit format DD = day, in 2-digit format

Descriptions:

¹Residential – report the number of persons who reside within the water system service area for more than half of the year (excludes transient and nontransient populations). If year-round, the *Begin Date* would be 01/01 and the *End Date* would be 12/31.

²Transient – report the number of persons who are at the water system on the 60th busiest day of the year (excludes residential and nontransient populations). Report the *Begin Date* and *End Date* if the Transient use is seasonal.

³Nontransient – report the number of the persons who are at the water system for over 6 months per year (excludes residential and transient populations). Report the *Begin Date* and *End Date* if the Nontransient use is seasonal.

List the names of communities served by the system identifying both incorporated and unincorporated areas:


COMMENTS: ?

3. NUMBER OF SERVICE CONNECTIONS(as of December 31, 2015)

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database: 1

The total number of Service Connections as of December 31, 2015 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
Do NOT report fire sprinkler connections and fire hydrants. These connections are not counted toward "service connections" for compliance purposes.						
<u>Single-family Residential:</u> single family detached dwellings	0	24	24	24		24
<u>Multi-family Residential:</u> Apartments, condominiums, town houses, duplexes and trailer parks	0	17	17	17		17
<u>Commercial/Institutional:</u> Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels	0	100	100		1	1
<u>Industrial:</u> All manufacturing	0	0	0			0
<u>Landscape Irrigation:</u> Parks, play fields, cemeteries, median strips, golf courses	0	0	0		1	1
<u>Agricultural Irrigation:</u> Irrigation of commercially-grown crops	0	0	0			0
Total Active Connections*	0	141	141	41	2	43
 <u>Other:</u> Fire suppression, street cleaning, line flushing, construction meters, temporary meters	0	0	0			0

*Calculated field

B. Number of Inactive Connections (all types)

Include only service connections that have been physically disconnected (i.e., meter removed) from the water system. All other service connections should be considered as "Active."

COMMENTS: ?

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June	587032	531000		1118032			1970023
July	639494	593000		1232494			738344
August	734628	607000		1341628			461953
September	921769	369000		1290769			1095514
October	975419	284000		1259419			538467
November	771608	216000		987608			5053
December	788833	166000		954833			0
Annual Total*	9015268	4891000	0	13906268	0	0	7960032
Percent Treated ⁴							

PWS = Public Water System

*Calculated field. **If you do not have monthly production data to report, please report your Annual Total production in the row for January.**

Non-potable = water supplies that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation or toilet flushing

¹Only report Maximum Day if it is actually measured or determined from production records. It should not be the average day demand during the maximum month of production.

²Do not include raw water purchased; report only volume of water that was treated.

³(F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. To update, click below

⁴This is the percentage of the total annual volume for Groundwater produced that was provided treatment to meet drinking water standards other than precautionary disinfection.

⁵If water was Purchased from or Sold to another PWS, complete the table below:

Specify whether water was <i>Purchased</i> or <i>Sold</i>	Name of PWS
Purchased	City of Napa Municipal Water System

If recycled water was *supplied to your customers*, complete the table below:

Specify the level of treatment (e.g., tertiary, disinfected secondary)	Name of Recycled Water supplier
Tertiary	Carneros Inn Waste Water treatment Plant

COMMENTS: ?

6a. WATER RATES

If you have questions about completing this section of the report ONLY, please contact Kathy.Frevert@Waterboards.ca.gov or call (916) 322-5274.

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For all other inquiries, please contact DRINC@waterboards.ca.gov.



Indicate the type of residential water rate structure used by your water system:

Flat Base Rate + Variable Usage Rate

If tiered, what is the number of tiers?	4
Date of most recent update to the rate structure: MM/DD/YYYY	04/01/2015
Describe the changes that were made in the update:	Rate increase to reflect actual costs
What is your billing frequency other	
What is your new connection fee?	0
Date of most recent update to the new connection fee: MM/DD/YYYY	n/a

Complete the table below providing specific water rates applied to your customers:

Connection Type	FLAT BASE RATE	UNIFORM USAGE RATE	VARIABLE BASE RATE (provide range)		VARIABLE USAGE RATE (provide range)	
	\$ (Base)	\$ per hcf	\$ Low	\$ High	\$ per hcf Low	\$ per hcf High
RESIDENTIAL 						
Single-family Residential	28.82				8.42	14.68
Multi-family Residential	28.82				8.42	14.68
Do you provide lifeline/low income subsidies?			No			
If Yes, provide rates:						
If yes, what percentage of residential customers receive this subsidy?						
NON-RESIDENTIAL 						
Commercial/Institutional	28.82				8.42	14.68
Industrial						
Landscape Irrigation						
Agricultural Irrigation						
Other						
Do you have fire suppression surcharges?			No			
If Yes, provide rates:						
Do you have other surcharges?			No			
What are the other surcharges?						
If Yes, provide rates:						

AVERAGE MONTHLY RESIDENTIAL CUSTOMER WATER BILL IN \$/month USING:

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- a. 6 CCF 28.82
- b. 12 CCF 79.35
- c. 24 CCF 180.29

NOTE: If this is not a "Community" Water System; enter N/A. If individual customers do not pay a separate bill for water enter "0".

6b. WATER DELIVERIES

Units of Measure for this table: Gallons

Provide monthly **metered** water deliveries in the table below.

A	B	C	D	E	F	G	H	I	J
	Single-family Residential	Multi-family Residential	Commercial/Institutional	Industrial	Landscape Irrigation	Other	Total Urban Retail ^{1*}	Agricultural	Other PWS
Check if Recycled Water is included:									
January	194250	99100			0		293350		
February	85911	43200			71225		200336		
March	178859	90100			883517		1152476		
April	136980	111400			909347		1157727		
May	175810	86800			1286589		1549199		
June	167320	109900			1970023		2247243		
July	166930	93600			738344		998874		
August	155410	119600			461953		736963		
September	164880	106600			1095514		1366994		
October	173590	85400			538467		797457		
November	129190	62500			5053		196743		
December	119550	43000			0		162550		
Total*	1848680	1051200	0	0	7960032	0	10859912	0	0

PWS = Public Water System

*Calculated field

¹Total Urban Retail = Sum of Columns (B) thru (G), automatically calculated. To update, click below

COMMENTS:

7. WATER QUALITY

Appendix D

ANNUAL NITRATE SAMPLING

Regulations require a minimum of **annual** sampling for nitrate. If any nitrate result is $\geq 1/2$ the MCL of 45 mg/L (i.e., a result of ≥ 23 mg/L nitrate) then quarterly monitoring must be initiated.

Did your system conduct monitoring for nitrate during 2015 from each source?	Yes
--	-----

NOTE: If there were any sources that were not monitored because they were offline during 2015, you must contact your local regulatory agency to avoid an enforcement action for failure to monitor.

BACTERIOLOGICAL SAMPLE SITING PLAN

The coliform monitoring regulations require that an updated sample-siting plan be submitted at least every 10 years, and at any time the plan no longer ensures representative monitoring of the system (Section 64422 of Title 22).

Date of current bacteriological sample siting plan:	12/23/2013
---	------------

COMMENTS: 

8. WATER TREATMENT


Treatment Plant	Required Treatment Plant Operator Classification
Carneros Inn Water Treatment Plant	Grade 1

If treatment was added or changed in any way in 2015, provide a brief description and identify the water source

TD = Treatment or Distribution operator at any level

NR, N/A, NA = There are no facilities subject to the Certified Treatment Plant Operator requirements

DIRECT ADDITIVES

Are all chemicals used NSF/ANSI Standard 60 certified? 	Yes
--	-----

INDIRECT ADDITIVES

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.

Does your water system have procedures to ensure all future equipment and materials meet this standard?	Yes
---	-----

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

COMMENTS: ?

9. CROSS-CONNECTION CONTROL ?

	Total Number in System	Number Installed in 2015	Number Tested in 2015	Number Failed in 2015	Number Repaired/ Replaced
Backflow Assemblies ? on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Backflow Assemblies On-site but not on the Service Connections or Meter ? (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Air-gap Separation ?	1	0			

No. of <i>Inactive</i> Backflow Prevention Assemblies ? in water system in 2015 :	0
Date of last cross-connection control survey done on the system:	N/A
Cross Connection Control Program Coordinator	
Name:	
Certification Number:	
Business Phone:	Email Address:
Certification or training received:	

Describe any cross-connection incidents ? that occurred during 2015:

COMMENTS: ?

10. CONSUMER CONFIDENCE REPORT ? (does not apply to Transient Noncommunity water systems)

THE 2015 CCR MUST BE DISTRIBUTED TO YOUR CUSTOMERS AND A COPY SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY JULY 1, 2016. IN ADDITION, PUBLIC WATER SYSTEMS THAT ARE ALSO REGULATED BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION (PUC) MUST MAIL A COPY OF THEIR CCR TO THE PUC BY JULY 1, 2016.

CERTIFICATION MUST BE SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY OCTOBER 1, 2016, STATING THAT THE 2015 CCR HAS BEEN DISTRIBUTED TO CUSTOMERS AND THAT THE INFORMATION IS CORRECT.

The CCR guidance, CCR template, and the certification form can be obtained from the Division of Drinking Water web site at: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml

Indicate the date your 2015 CCR was distributed or will be distributed to your customers:	6/15/16 mm/dd/yyyy
---	--------------------

COMMENTS:?

11. OPERATOR CERTIFICATION

A. Please list the State certified Water **Treatment Plant Operators** employed by your water system that supervise and direct the operation of your water treatment plants, beginning with the chief operator(s) ?.

Your Highest Treatment System Classification is: **There are no facilities subject to the Certified Treatment Plant Operator requirements**

If you do not have a Certified Treatment Operator, put "NONE" in **each** column of the first row.

Name	Grade of Operator	Chief or Shift ¹ (C/S)	Operator Number	Expiration Date
Daniel Philbin	T1	C	29513	2/1/2017

¹Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X".

Do your Chief and Shift Treatment Plant Operators have the minimum level required? Yes

B. Please list the State certified Water **Distribution Operators** employed by your water system that supervise and direct the operation of your distribution systems, beginning with the chief operator(s) ?.

Your Distribution System Classification is: **D1**

If you do not have a Certified Distribution System Operator, put "NONE" in **each** column of the first row.

Name	Grade of Operator	Chief or Shift ¹ (C/S)	Operator Number	Expiration Date
Daniel Philbin	D2	C	35156	5/1/19

¹Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X".

Do your Chief and Shift Distribution System Operators have the minimum level required? Yes

COMMENTS:?

12. WATER SYSTEM IMPROVEMENTS

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
 - Adding a new source

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Changing the status of an existing source (for example, active to standby) or

- Changing or altering a source, such that the quality or quantity of water supply could be affected
- Any addition or change in treatment, including
 - Design capacity
 - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2015 for which a permit was not obtained, please describe the improvements or modifications below.

Indicate any planned improvements or modifications for 2016.

COMMENTS: 

13. COMPLAINTS REPORTED (WRITTEN OR VERBAL)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	1	1		Found odor in hot water system at home. Likely cause is sulfate reducing bacteria. Treated homeowner's piping system and hot water heater with ozone
Color				
Turbidity				
Visible Organisms				
Pressure (High or Low)				
Water Outages				
Illnesses (Waterborne)				
Other (Specify)				
Total No. of Complaints*	1	1	0	

*Calculated field

COMMENTS:?

14. SYSTEM PROBLEMS

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken
Service Connection Breaks/ Leaks	2	2	0	Fixed leaking gate valve and ball valve at service connection
Main Breaks/Leaks	0			
Water Outages?	0			
Boil Water Orders	0			
Total*	2	2	0	

COMMENTS:?

15. ONGOING WATER SYSTEM VIOLATIONS

Is your water system operating under USEPA, Division or LPA enforcement for a continuous violation?	No
---	----

If yes, respond to the following:

Type of violation (for example, specify "Nitrate MCL" violation if your wells exceeds the nitrate MCL of 45 mg/L)	
Dates in 2015 that public notification was provided to users	
Corrective action taken in 2015	

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Was bottled water provided to users?	--Pick one--
If yes, how was bottled water provided, for example, direct delivery?	
Describe anticipated schedule to return to compliance	

COMMENTS:

16. WATER CONSERVATION AND DROUGHT PREPAREDNESS

Date of your revised Drought Preparedness Plan, if any:	
If you experienced water shortages in 2015, please estimate the amount of shortfall in millions of gallons:	
Did drought conditions cause you to activate emergency standby wells in 2015?	No
Do you project water shortages in the current calendar year?	No
Did you implement NEW water conservation measures in 2015?	Yes
If you implemented NEW water conservation measures in 2015, please estimate how much water was conserved in millions of gallons: 1 (MG) 5 % reduction in demand	
Do you anticipate having to go to mandatory rationing in the upcoming year?	No
Do you routinely monitor the <i>static</i> water levels in your wells?	Yes
Do you routinely monitor the <i>pumping</i> water levels in your wells?	Yes
Are these levels recovering, declining or steady?:	Steady



Please list any other long term actions you are considering or planning:

COMMENTS:

Disclosure: Be advised that Section 116725 and 116730 of the California Health and Safety Code states that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violations for each day that the violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in county jail


not to exceed one year, or both the fine and imprisonment.

SMALL WATER SYSTEM
2016 ANNUAL REPORT TO THE DRINKING WATER PROGRAM
FOR YEAR ENDING DECEMBER 31, 2016
[Section 116530 Health & Safety Code]

WATER SYSTEM INFORMATION	
Water System No.:	CA2800538
Water System Name:	CARNEROS INN
Water System Classification: 	Community Water System
Water System Ownership (See descriptions below):	Privately owned, non-PUC-regulated (Community Water System)
Physical location: (address line 1, address line 2, city, zip)	4048 Sonoma Hwy NAPA 94559
General Office Phone: (with area code) 	
Web site address:	www.thecarnerosinn.com

Water System Ownership Descriptions:

- Local Government: e.g., city, county, or special district, local school district, junior colleges, county or community parks, etc.
- State or Federal Government: e.g., state or national park, BLM, USFS and COE campgrounds and recreation facilities, state hospitals, State universities and colleges, California Veterans Home, County or District Fairs and Expositions, Caltrans rest stop, military base, other state or federal facility
- Privately owned, non-PUC-regulated (Community Water System): e.g., mobile home park, apartment or condominium
- Privately owned business (non-community): e.g., church, private school, restaurant, amusement park, RV park/campground, motel, ranch/farm, factory, other business establishment

REPORT SUBMITTED BY: 	
Note: Your name and title, email address, and work phone number are disclosable report information that may be obtained through the Public Records Act.	
Name:	Tony Aiello
Title:	Director, Business Development
Work phone:	707-258-0553
Cell phone:	
Email address:	taiello@heritagesystemsinc.com

COMMENTS: 

1. Public Water System Contacts 

[Click here](#) to learn how to Modify, Add and Delete Contacts in the table below.

Appendix D

IMPORTANT: Each water system must have one and only one Administrative Contact AND one and only one Financial Contact. The same person may be both the Administrative and Financial Contacts.

Please provide an email address for the Administrative Contact as most email communication, particularly email blasts, from the Division of Drinking Water will be sent to the email address of the Administrative Contact.



PHONE TYPE: Home – if you use your home or personal phone number as your business number, use the HOME phone type instead and leave the BUSINESS phone type blank.

Only the BUSINESS phone type will appear in Drinking Water Watch (<https://sdwis.waterboards.ca.gov/PDWW/>), which can be viewed by the public, if the General Office phone number is not provided (see Water System Information section under the Intro tab).

NAME, TITLE & ADDRESS		PHONE TYPE	PHONE NO.	EMAIL	CONTACT TYPE (pick all that apply)	
_ROGAL, KEITH 4048 SONOMA HIGHWAY NAPA CA 94559	Business		707-287-0380	khrogal@rogal.net	** Delete Contact **	
	Home				Administrative	Operator
	Facsimile				Financial	Emergency
	Mobile				Designated Operator In Charge	Water Quality
	Emergency				Owner	Legal
					Funding	Contract Operator
	Business				** Delete Contact **	
	Home				Administrative	Operator
	Facsimile				Financial	Emergency
	Mobile				Designated Operator In Charge	Water Quality
	Emergency				Owner	Legal
					Funding	Contract Operator
	Business				** Delete Contact **	
	Home				Administrative	Operator
	Facsimile				Financial	Emergency
	Mobile				Designated Operator In Charge	Water Quality
	Emergency				Owner	Legal
					Funding	Contract Operator
	Business				** Delete Contact **	
	Home				Administrative	Operator
	Facsimile				Financial	Emergency
	Mobile				Designated Operator In Charge	Water Quality
	Emergency				Owner	Legal
					Funding	Contract Operator
	Business				** Delete Contact **	
	Home				Administrative	Operator
	Facsimile				Financial	Emergency
	Mobile				Designated Operator In Charge	Water Quality
	Emergency				Owner	Legal
					Funding	Contract Operator

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	Home			Administrative	Operator
	Facsimile			Financial	Emergency
	Mobile			Designated Operator In Charge	Water Quality
	Emergency			Owner	Legal
				Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Home			Financial	Emergency
	Facsimile			Designated Operator In Charge	Water Quality
	Mobile			Owner	Legal
	Emergency			Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Home			Financial	Emergency
	Facsimile			Designated Operator In Charge	Water Quality
	Mobile			Owner	Legal
	Emergency			Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Home			Financial	Emergency
	Facsimile			Designated Operator In Charge	Water Quality
	Mobile			Owner	Legal
	Emergency			Funding	Contract Operator
	Business			** Delete Contact ** Administrative	Operator
	Home			Financial	Emergency
	Facsimile			Designated Operator In Charge	Water Quality
	Mobile			Owner	Legal
	Emergency			Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
Tony Aiello	Business	707-258-0553	taiello@heritagesystemsinc.com XXXXXX@XXXXX.XXX	Administrative	Operator
Operator	Home	707-337-8860		Financial	Emergency
2471 Solano Ave. Ste. 141. --Address Line 2--	Facsimile	707-255-3151		Designated Operator In Charge	Water Quality
Napa CA 94558	Mobile	707-337-8860		Owner	Legal
	Emergency	707-337-8860		Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
Brett Vieau	Business	707-312-1317	bvieau@carnerosresort.com XXXXXX@XXXXX.XXX	Administrative	Operator
Director of Facilities	Home			Financial	Emergency
4048 Sonoma Hwy. --Address Line 2--	Facsimile	707-299-4999		Designated Operator In Charge	Water Quality
	Mobile	707-312-1317			
	Emergency				

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Napa CA 94559	Emergency	707-312-1317		Owner	Legal
				Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999	XXXXXX@XXXXX.XXX XXXXXX@XXXXX.XXX	Administrative	Operator
--Title--	Home	(999) 999-9999		Financial	Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	(999) 999-9999		Designated Operator In Charge	Water Quality
--City-- --ST-- 99999	Emergency	(999) 999-9999		Owner	Legal
				Funding	Contract Operator
Add Additional Contact				(pick all that apply)	
--Contact Name--	Business	(999) 999-9999	XXXXXX@XXXXX.XXX XXXXXX@XXXXX.XXX	Administrative	Operator
--Title--	Home	(999) 999-9999		Financial	Emergency
--Address Line 1-- --Address Line 2--	Facsimile Mobile	(999) 999-9999		Designated Operator In Charge	Water Quality
--City-- --ST-- 99999	Emergency	(999) 999-9999		Owner	Legal
				Funding	Contract Operator
COMMENTS:					

2. POPULATION SERVED

Population Type	Population	Annual Operating Period					
				Begin Date		End Date	
				MM	DD	MM	DD
Residential ¹	30	Method Used to Determine Population: Other		01	01	12	31
Transient ²	175			01	01	12	31
Nontransient ³	200			01	01	12	31

MM = month, in 2-digit format DD = day, in 2-digit format

Descriptions:

¹Residential – report the number of persons who reside within the water system service area for more than half of the year (excludes transient and nontransient populations). If year-round, the *Begin Date* would be 01/01 and the *End Date* would be 12/31.

²Transient – report the number of persons who are at the water system on the 60th busiest day of the year (excludes residential and nontransient populations). Report the *Begin Date* and *End Date* if the Transient use is seasonal.

³Nontransient – report the number of the persons who are at the water system for over 6 months per year (excludes residential and transient populations). Report the *Begin Date* and *End Date* if the Nontransient use is seasonal.

List the names of communities served by the system identifying both incorporated and unincorporated areas:
Carneros Resort and Spa

COMMENTS:?

3. NUMBER OF SERVICE CONNECTIONS(as of December 31, 2016)

A. Active Service Connections:

Total Active Potable Water Connections currently in Division of Drinking Water database:	1
--	---

The total number of Service Connections as of December 31, 2016 must be reported as either Unmetered or Metered for each Service Connection Type as appropriate.

TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
Do NOT report fire sprinkler connections and fire hydrants. These connections are not counted toward "service connections" for compliance purposes.						
<u>Single-family Residential:</u> single family detached dwellings	0	24	24	24	0	24
<u>Multi-family Residential:</u> Apartments, condominiums, town houses, duplexes and trailer parks	0	17	17	17	0	17
<u>Commercial/Institutional:</u> Retail establishments, office buildings, laundries, schools, prisons, hospitals, dormitories, nursing homes, hotels	0	100	100	0	1	1
<u>Industrial:</u> All manufacturing	0	0	0	0	0	0
<u>Landscape Irrigation:</u> Parks, play fields, cemeteries, median strips, golf courses	0	0	0	0	1	1
<u>Agricultural Irrigation:</u> Irrigation of commercially-grown crops	0	0	0	0	0	0
Total Active Connections*	0	141	141	41	2	43

*Calculated field



TYPE	Potable Water			Recycled Water		
	Unmetered	Metered	Total*	Unmetered	Metered	Total*
<u>Other:</u> Fire suppression, street cleaning, line flushing, construction meters, temporary meters	0	0	0	0	0	0

B. Number of Inactive Connections (all types)

Include only service connections that have been physically disconnected (i.e., meter removed)	0
---	---

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from the water system. All other service connections should be considered as "Active."

COMMENTS: [?](#)

4. GROUNDWATER (GW) AND SURFACE WATER (SW) SOURCES [?](#)

GROUNDWATER SOURCES (INCLUDING STANDBY SOURCES)

PSCode ?	Name	Activity ?
2800538-001	ROGAL1	A
2800538-002	PRIUS 08	A
2800538-004	JV06	A

Add sources not listed above. Describe changes to sources above under "Comments".

PSCode ?	Name	Activity ?	Comments

SURFACE WATER INTAKES

PSCode ?	Name	Activity ?

Add sources not listed above. Describe changes to sources above under "Comments".

PSCode ?	Name	Activity ?	Comments

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Are your water sources metered? Yes

DISCUSS CHANGES TO ABOVE SOURCES

JV06 is a standby well.

If a **STANDBY SOURCE** was used in 2016, provide the following information.

Name of the Standby Source used in 2016:	No. of days the Standby Source was in operation:	Were customers notified? (Y/N)	Was DDW or Local County Staff notified? (Y/N)	Describe the reason the Standby Source was used:

COMMENTS: No standby source was used.

5. WATER PRODUCED, PURCHASED AND SOLD

The **Maximum Day** is the day during 2016 with the highest total water usage. Provide the *date* for that day in Column B, then complete Columns C, D and E, indicating how much of the water on that day was from each source.

Units of Measure for this table: Gallons

Volumes are based on: METERED VOLUMES

A	B	C	D	E	F	G	H	I
	Potable Water						Non-potable (exclude recycled)	Recycled
	Date/ Month	Water Produced from Groundwater (Wells)	Water Produced from Surface Water²	Finished Water Purchased or Received from another PWS⁵	Total Amount of Potable Water^{3*}	Water Sold to Another PWS⁵		
Maximum Day ¹	8/15	62157		15500	77657			
January		626986	0	422000	1048986	0	0	0
February		680231	0	276000	956231	0	0	0
March		1086378	0	345000	1431378	0	0	0
April		623874	0	429000	1052874	0	0	0
May		723190	0	578200	1301390	0	0	0

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June	612902	0	528000	1140902	0	0	0
July	628708	0	603000	1231708	0	0	0
August	785298	0	591000	1376298	0	0	0
September	936206	0	325000	1261206	0	0	0
October	891398	0	256000	1147398	0	0	0
November	718930	0	185000	903930	0	0	0
December	765417	0	142000	907417	0	0	0
Annual Total*	9079518	0	4680200	13759718	0	0	0
Percent Treated ⁴							

PWS = Public Water System

*Calculated field. **If you do not have monthly production data to report, please report your Annual Total production in the row for January and enter "0" for all the other months.**

Non-potable = water supplies that do not enter the drinking water distribution system and are for non-potable uses only such as irrigation or toilet flushing

¹Only report Maximum Day if it is actually measured or determined from production records. It should not be the average day demand during the maximum month of production.

²Do not include raw water purchased; report only volume of water that was treated.

³(F) Total Amount of Potable Water = Sum of Columns (C), (D) and (E), automatically calculated. To update, click below

⁴This is the percentage of the total annual volume for Groundwater produced that was provided treatment to meet drinking water standards other than precautionary disinfection and flouridation.

⁵If water was ***Purchased*** from or ***Sold*** to another PWS, complete the table below:

Specify whether water was <i>Purchased</i> or <i>Sold</i>	Name of PWS
Purchased	City of Napa Municipal Water System

If recycled water was *supplied to your customers*, complete the table below:

Specify the level of treatment (e.g., tertiary, disinfected secondary)	Name of Recycled Water supplier

COMMENTS: 

6a. WATER RATES

Appendix D

If you have questions about completing this section of the report, please contact Kathy.Frevert@Waterboards.ca.gov or call (916) 322-5274.



Indicate the type of residential water rate structure used by your water system:

Flat Base Rate + Variable Usage Rate

If tiered, what is the number of tiers?	4
Date of most recent update to the rate structure: MM/DD/YYYY	04/01/2015
Describe the changes that were made in the update:	0
What is your billing frequency other	
What is your new connection fee?	0
Date of most recent update to the new connection fee: MM/DD/YYYY	01/01/2013

Complete the table below providing specific water rates applied to your customers:

Connection Type	FLAT BASE RATE (FBR)	If FBR + UUR, what is the volume allowed before UUR applies	UNIFORM USAGE RATE (UUR)	VARIABLE BASE RATE (provide range) (VBR)		VARIABLE USAGE RATE (provide range) (VUR)	
	\$ (Base)	HCF	\$ per HCF	\$ Low	\$ High	\$ per HCF Low	\$ per HCF High
RESIDENTIAL 							
Single-family Residential	28.82	0	0	0	0	8.42	14.68
Multi-family Residential	28.82	0	0	0	0	8.42	14.68
Do you provide lifeline/low income subsidies?			No				
If Yes, provide rates:							
If yes, what percentage of residential customers receives this subsidy? (Example: X %)				%			
NON-RESIDENTIAL 							
Commercial/Institutional	28.82	0	0	0	0	8.42	14.68
Industrial	0	0	0	0	0	0	0
Landscape Irrigation	0	0	0	0	0	0	0
Agricultural Irrigation	0	0	0	0	0	0	0
Other							
Do you have fire suppression surcharges?			No				
If Yes, provide rates:							
Do you have other surcharges?			No				
What are the other surcharges?							
If Yes, provide rates:							

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¹Total Urban Retail = Sum of Columns (B) thru (G), automatically calculated. To update, click below

COMMENTS: ?

7. WATER QUALITY

ANNUAL NITRATE SAMPLING

Regulations require a minimum of **annual** sampling for nitrate. If any nitrate result is $\geq 1/2$ the MCL (Maximum Contaminant Level) of 10 mg/l as nitrogen (i.e., a result of ≥ 5 mg/l as nitrogen) then quarterly monitoring must be initiated.

Did your system conduct monitoring for nitrate during 2016 from each source?

Yes

NOTE: If there were any sources that were not monitored because they were offline during 2016, you must contact your local regulatory agency to avoid an enforcement action for failure to monitor.

BACTERIOLOGICAL SAMPLE SITING PLAN

The coliform monitoring regulations require that an updated sample-siting plan be submitted at least every 10 years, and at any time the plan no longer ensures representative monitoring of the system (Section 64422 of Title 22).

Date of current bacteriological sample siting plan:

12/23/2013

COMMENTS: ?

8. WATER TREATMENT

Treatment Plant	Required Treatment Plant Operator Classification
Carneros Inn Water Treatment Plant	T1 and D1

If treatment was added or changed in any way in 2016, provide a brief description and identify the water source
None

TD = Treatment or Distribution operator at any level

NR, N/A, NA = There are no facilities subject to the Certified Treatment Plant Operator requirements

DIRECT ADDITIVES

Are all chemicals used NSF/ANSI Standard 60 certified? ?

Yes

INDIRECT ADDITIVES

As of March 9, 2008, a water system shall not use any chemical, material, lubricant, or product in the production, treatment or distribution of drinking water that comes in contact with the drinking water that does not have certification of meeting NSF/ANSI standard 61.

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Does your water system have procedures to ensure all future equipment and materials meet this standard?	Yes
---	-----

If you have any questions on the requirements related to indirect additives, you may contact your local regulatory agency.

COMMENTS: ?

9. CROSS-CONNECTION CONTROL ?

	Total Number in System	Number Installed in 2016	Number Tested in 2016	Number Failed in 2016	Number Repaired/ Replaced
Backflow Assemblies ? on the Service Connections or Meter (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Backflow Assemblies On-site but not on the Service Connections or Meter ? (Reduced Pressure Principle and Double Check Valve assemblies)	0	0	0	0	0
Air-gap Separation ?	1	0			

No. of <i>Inactive</i> Backflow Prevention Assemblies ? in water system in 2016 :	0
Date of last cross-connection control survey done on the system:	
Cross Connection Control Program Coordinator	
Name:	
Certification Number:	
Business Phone:	Email Address:
Certification or training received:	

Describe any cross-connection incidents ? that occurred during 2016:

COMMENTS: ?

10. CONSUMER CONFIDENCE REPORT ? (does not apply to Transient Noncommunity water systems)

THE 2016 CCR MUST BE DISTRIBUTED TO YOUR CUSTOMERS AND A COPY SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY JULY 1, 2017. IN ADDITION, PUBLIC WATER SYSTEMS THAT ARE ALSO REGULATED BY THE CALIFORNIA PUBLIC UTILITIES COMMISSION (PUC) MUST MAIL A COPY OF THEIR CCR TO THE PUC BY JULY 1, 2017.

CERTIFICATION MUST BE SUBMITTED TO YOUR LOCAL REGULATORY AGENCY BY OCTOBER 1, 2017, STATING THAT THE 2016 CCR HAS BEEN DISTRIBUTED

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TO CUSTOMERS AND THAT THE INFORMATION IS CORRECT.

The CCR guidance, CCR template, and the certification form can be obtained from the Division of Drinking Water web site at: http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/CCR.shtml

Indicate the date your 2016 CCR was distributed or will be distributed to your customers:	06/18/2017 mm/dd/yyyy
---	-----------------------

COMMENTS:

11. OPERATOR CERTIFICATION

A. Please list the State certified Water **Treatment Plant Operators** employed by your water system that supervise and direct the operation of your water treatment plants, beginning with the chief operator(s) .

Your Highest Treatment System Classification is: **There are no facilities subject to the Certified Treatment Plant Operator requirements**

If you do not have a Certified Distribution System Operator, put "NONE" in **each** column of the first row.

Treatment Operator Name (First name Last name)	Grade of Treatment Operator (1, 2, 3, 4, or 5)	Chief or Shift ¹ (C, S or X)	Treatment Operator Number (4 or 5 digits)	Treatment Certification Expiration Date (MM/DD/YYYY)
Tony Aiello	T1	C	34971	01/01/2019

¹Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

Do your Chief and Shift Treatment Plant Operators have the minimum level required? Yes

B. Please list the State certified Water **Distribution System Operators** employed by your water system that supervise and direct the operation of your distribution systems, beginning with the chief operator(s) .

Your Distribution System Classification is: D1

If you do not have a Certified Distribution System Operator, put "NONE" in **each** column of the first row.

Distribution Operator Name (First name Last name)	Grade of Distribution Operator (1, 2, 3, 4, or 5)	Chief or Shift ¹ (C, S or X)	Distribution Operator Number (4 or 5 digits)	Distribution Certification Expiration Date (MM/DD/YYYY)
Tony Aiello	D1	C	42310	05/01/2019

¹Use "C" for Chief Operator and "S" for Shift Operator. If neither, put an "X". Do not leave blank.

Do your Chief and Shift Distribution System Operators have the minimum level required?

Yes

COMMENTS:

12. WATER SYSTEM IMPROVEMENTS

The California Waterworks Standards (Section 64556) require an amended permit for any of the following improvements or modifications:

- Addition of a new distribution reservoir with a capacity of 100,000 gallons or more
- Modification or extension of the existing distribution system using an alternative to the requirements of the California Waterworks Standards (see Sections 64570 through 64578)
- Modification of the water supply by:
 - Adding a new source
 - Changing the status of an existing source (for example, active to standby) or
 - Changing or altering a source, such that the quality or quantity of water supply could be affected
- Any addition or change in treatment, including
 - Design capacity
 - Process
- Expansion of the existing service area by 20 percent or more of the number of service connections specified in your current permit.

If your water system made any improvements or modifications during 2016 for which a permit was not obtained, please describe the improvements or modifications below.

None

Indicate any planned improvements or modifications for 2017.

None at this time

COMMENTS: ?

13. COMPLAINTS REPORTED (WRITTEN OR VERBAL)

Type of Complaint	No. of Complaints Reported by Customers	No. of Complaints Investigated	No. of Complaints reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action taken
Taste and Odor	0	0	0	0
Color	0	0	0	0
Turbidity	0	0	0	0
Visible Organisms	0	0	0	0
Pressure (High or Low)	0	0	0	0
Water Outages	0	0	0	0
Illnesses (Waterborne)	0	0	0	0
Other (Specify)	0	0	0	0
Total No. of Complaints*	0	0	0	

*Calculated field

COMMENTS: ?

14. SYSTEM PROBLEMS

Appendix D

Type of Problem	No. of Problems	No. of Problems Investigated	No. of Problems Reported to the Division of Drinking Water or Local County Staff	Brief Description of Cause and Corrective Action Taken
Service Connection Breaks/ Leaks	0	0	0	0
Main Breaks/Leaks	0	0	0	0
Water Outages?	0	0	0	0
Boil Water Orders	0	0	0	0
Total*	0	0	0	

COMMENTS:

15. ONGOING WATER SYSTEM VIOLATIONS

Is your water system operating under USEPA, Division or LPA enforcement for a continuous violation?	No
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If yes, respond to the following:

Type of violation (for example, specify "Nitrate MCL" violation if your wells exceeds the nitrate MCL of 45 mg/L)	
Dates in 2016 that public notification was provided to users	
Corrective action taken in 2016	
Was bottled water provided to users?	--Pick one--
If yes, how was bottled water provided, for example, direct delivery?	
Describe anticipated schedule to return to compliance	

COMMENTS: ?

16. WATER CONSERVATION AND DROUGHT PREPAREDNESS

Date of your revised Drought Preparedness Plan, if any:	
If you experienced water shortages in 2016, please estimate the amount of shortfall in millions of gallons:	
Did drought conditions cause you to activate emergency standby wells in 2016?	--Pick one--
Do you project water shortages in the current calendar year?	--Pick one--
Did you implement NEW water conservation measures in 2016?	--Pick one--
If you implemented NEW water conservation measures in 2016, please estimate how much water was conserved in millions of gallons: (MG) % reduction in demand	
Do you anticipate having to go to mandatory rationing in the upcoming year?	No
Do you routinely monitor the <i>static</i> water levels in your wells?	Yes
Do you routinely monitor the <i>pumping</i> water levels in your wells?	Yes
Are these levels recovering, declining or steady?:	Steady

Please list any other long term actions you are considering or planning:
None at this time

COMMENTS: ?

Disclosure: Be advised that Sections 116725 and 116730 of the California Health and Safety Code states that any person who knowingly makes any false statement on any report or document submitted for the purposes of compliance may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation for each day that the violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of the violation, or be imprisoned in county jail not to exceed one year, or both the fine and imprisonment.