

**City of Coalinga  
Water Management Plan  
2011 Criteria**

**Date of first draft – June 14, 2013  
Date of final draft – June 25, 2015**

## **Index**

|              |   |
|--------------|---|
| Section 1:   | Description of the City of Coalinga .....                         |
| Section 2:   | Inventory of Water Resources.....                                 |
| Section 3:   | Best Management Practices for Agricultural Contractors (N/A)..... |
| Section 4:   | Best Management Practices for Urban Contractors .....             |
| Section 5:   | City Water Inventory Tables.....                                  |
|              |   |
| Attachment A | City Maps .....   |
| Attachment B | City Rules and Regulations.....                                   |
| Attachment C | Measurement Device Documentation .....                            |
| Attachment D | City Water Rates & Sample City Water Bills.....                   |
| Attachment E | City Water Shortage Plan.....                                     |
| Attachment F | Groundwater Management Plan.(N/A).....                            |
| Attachment G | Groundwater Banking Plan .(N/A).....                              |
| Attachment H | Notices of City Education Programs and Available Services.....    |
| Attachment I | 2012 Annual Potable Water Quality Report.....                     |

## **Section I: Description of the District**

*District Name:* City of Coalinga

*Contact Name:* Timothy R. O'Neal

*Title:* Chief Plant Operator

*Telephone:* (559) 935-2981

*E-mail:* [toneal@coalinga.com](mailto:toneal@coalinga.com)

*Web Address* [www.coalinga.com](http://www.coalinga.com)

### **Coalinga Water System – Sacramento Delta to Point of Service**

Raw water destined for Coalinga flows from the Sacramento-San Joaquin Delta southerly in either the Delta-Mendota Canal or the Central Valley Project California Aqueduct to the O'Neil Forebay, then on southerly in the California Aqueduct to the point of origination of the Coalinga Canal, approximately 15 miles northeast of the City of Coalinga where Highway 145 crosses over the California Aqueduct. After leaving the California Aqueduct, the water is carried in the Coalinga Canal approximately 12 miles south to the City of Coalinga water treatment plant intake. A raw water pump station then lifts the water from the Coalinga Canal to the City's conventional surface water treatment plant. After the water flows through the City's conventional filtration treatment plant, the treated water is pumped by a filtered-water pump station into a 27-inch diameter pipeline in Palmer Avenue. Approximately 2 miles west of the water treatment plant, the flow tees at Calaveras Avenue. The water eventually finding its way to the City of Coalinga community, continues west another mile and a half to the 2.8-MG Palmer Avenue Reservoir. The water leaving the Palmer Avenue Reservoir flows through approximately 8 miles of 27-inch and 24-inch transmission mains to the 7.6-MG Derrick Avenue Reservoir. After leaving the Derrick Avenue Reservoir, the water then flows through a 30-inch transmission main into the City of Coalinga distribution system. Water going to the Pleasant Valley State Prison and State Mental Hospital travels south in the 12-inch Calaveras Avenue pipeline to the 5-MG Calaveras Avenue Reservoir and then, after flowing through the Calaveras Reservoir, continues south in Calaveras Avenue another 3.5 miles to Jayne Avenue and then east a little over a mile to the prison and hospital.

The City also provides treated water to two oil company users (Chevron and AERA Energy) and a cogeneration facility (Coalinga CoGen). Chevron takes service from several locations along Gayle and Derrick Avenues and from the Northwest Reservoir. The 0.2-MG Northwest Reservoir is located north of Coalinga on Derrick Avenue and is fed by the Derrick Booster Pump Station consisting of two 75-HP pumps.

AERA Energy takes service from the 0.5-MG Oil King Reservoir, located a little over 3 miles north of Palmer Avenue on the west side of Highway 33/198. The Oil King Booster Pump Station, consisting of two 200-HP pumps, takes water from the Palmer Avenue 27-inch pipeline upstream of the Palmer Avenue Reservoir and lifts it to the Oil King Reservoir.

The City also serves several residential customers east of Coalinga and south of Jayne Avenue through the “Rural System” and a few low-demand industrial/commercial customers outside of town along the various transmission lines.

The City’s existing water treatment and distribution system consists of the following:

- A 12-MGD surface-water treatment plant that takes water from the California Aqueduct via the Coalinga Canal.
- A filtered-water booster pump station that lifts the treated water in a series of 24-, 27- and 30-inch transmission mains leading to Coalinga.
- Primary storage reservoirs, including the 2.8-MG Palmer Avenue reservoir, the 7.6-MG Derrick Avenue reservoir, and the 5-MG Calaveras Avenue reservoir. Nearly all of the water consumed within the City flows through the Derrick reservoir while the Calaveras reservoir is the primary storage for water flowing to the Pleasant Valley State Prison.
- Several supplies to various oil companies and other rural customers outside of the City, including the 0.5-MG Oil King booster pumping station and reservoir and the Derrick booster pump station that feeds the 0.2 MG Northwest reservoir.
- The City distribution system consisting of water mains ranging in size from 4 to 16 inches.

## A. History

1. Date district formed: \_\_\_\_\_ Date of first Reclamation contract: October 28, 1968

Original size (acres): NA Current year (last complete calendar year): 2012

### 2. Current size, population, and irrigated acres

|                                       | (enter data year)                   |
|---------------------------------------|-------------------------------------|
| Size NA                               | NA                                  |
| Population served (urban connections) | 4964 connections, 19,362 population |
| Irrigated acres                       | NA                                  |

### 3. Water supplies received in current year

| Water Source                       | AF   |
|------------------------------------|------|
| Federal urban water (Tbl 1)        | 5859 |
| Federal agricultural water (Tbl 1) |      |

|  |      |
|--|------|
| <i>State water (Tbl 1)</i>               | 0    |
| <i>Other Wholesaler (define) (Tbl 1)</i> | 0    |
| <i>Local surface water (Tbl 1)</i>       | 0    |
| <i>Upslope drain water (Tbl 1)</i>       | 0    |
| <i>District groundwater (Tbl 2)</i>      | 0    |
| <i>Banked water (Tbl 1)</i>              | 0    |
| <i>Transferred water (Tbl 1)</i>         | 0    |
| <i>Recycled water (Tbl 3)</i>            | 0    |
| <i>Other (define) (Tbl 1)</i>            | 0    |
| <i>Total</i>                             | 5859 |

4. Annual entitlement under each right and/or contract

|                                     | <i>AF</i> | <i>Source</i> | <i>Contract #</i>   | <i>Availability period(s)</i> |
|-------------------------------------|-----------|---------------|---------------------|-------------------------------|
| <i>Reclamation Urban AF/Y</i>       | 10000     |               | 14-06-200-4173A-IR1 | March 1 through Feb 28/29     |
| <i>Reclamation Agriculture AF/Y</i> | 0         |               |                     |                               |
| <i>Other AF/Y</i>                   | 0         |               |                     |                               |
| <i>Other AF/Y</i>                   | 0         |               |                     |                               |

5. Anticipated land-use changes. For Ag contractors, also include changes in irrigated acres.

NA

6. Cropping patterns (Agricultural only)

List of current crops (crops with 5% or less of total acreage) can be combined in the 'Other' category.

| <i>Original Plan (enter date)</i> |              | <i>Previous Plan (enter date)</i> |              | <i>Current Plan</i>   |              |
|-----------------------------------|--------------|-----------------------------------|--------------|-----------------------|--------------|
| <i>Crop Name</i>                  | <i>Acres</i> | <i>Crop Name</i>                  | <i>Acres</i> | <i>Crop Name</i>      | <i>Acres</i> |
|                                   |              |                                   |              |                       |              |
|                                   |              |                                   |              |                       |              |
|                                   |              |                                   |              |                       |              |
|                                   |              |                                   |              |                       |              |
|                                   |              |                                   |              |                       |              |
|                                   |              |                                   |              |                       |              |
|                                   |              |                                   |              |                       |              |
|                                   |              |                                   |              |                       |              |
| <i>Other (&lt;5%)</i>             |              | <i>Other (&lt;5%)</i>             |              | <i>Other (&lt;5%)</i> |              |
| <i>Total</i>                      |              | <i>Total</i>                      |              | <i>Total</i>          |              |

(See Planner, Chapter 3, Addendum D for list of crop names)

7. Major irrigation methods (by acreage) (Agricultural only)

| <i>Original Plan (enter date)</i> |              | <i>Previous Plan (enter date)</i> |              | <i>Current Plan</i>      |              |
|-----------------------------------|--------------|-----------------------------------|--------------|--------------------------|--------------|
| <i>Irrigation Method</i>          | <i>Acres</i> | <i>Irrigation Method</i>          | <i>Acres</i> | <i>Irrigation Method</i> | <i>Acres</i> |
| Level Basin                       |              | Level Basin                       |              | Level Basin              |              |
| Furrow                            |              | Furrow                            |              | Furrow                   |              |
| Sprinkler                         |              | Sprinkler                         |              | Sprinkler                |              |
| Low-volume                        |              | Low-volume                        |              | Low-volume               |              |

|              |  |              |  |              |  |
|--------------|--|--------------|--|--------------|--|
| Multiple     |  | Multiple     |  | Multiple     |  |
|              |  |              |  |              |  |
| <i>Other</i> |  | <i>Other</i> |  | <i>Other</i> |  |
| <i>Total</i> |  | <i>Total</i> |  | <i>Total</i> |  |

## B. Location and Facilities

See Attachment A for maps containing the following: incoming flow locations, turnouts (internal flow), and outflow (spill) points, conveyance system, storage facilities, operational loss recovery system, district wells and lift pumps, water quality monitoring locations, and groundwater facilities.

### 1. Incoming flow locations and measurement methods

| <i>Location Name</i>           | <i>Physical Location</i>                 | <i>Type of Measurement Device</i>  | <i>Accuracy</i> |
|--------------------------------|--|------------------------------------|-----------------|
| Coalinga Water Treatment Plant | LAT 36°12'37.17"N<br>LONG 120°14'48.04"W | Venturi meters with flow recorders |                 |
|                                |  |                                    |                 |
|                                |  |                                    |                 |

### 2. Current year Agricultural Conveyance System

| <i>Miles Unlined - Canal</i> | <i>Miles Lined - Canal</i> | <i>Miles Piped</i> | <i>Miles - Other</i> |
|------------------------------|----------------------------|--------------------|----------------------|
|                              |                            |                    |                      |

### 3. Current year Urban Distribution System

| <i>Miles AC Pipe</i> | <i>Miles Steel Pipe</i> | <i>Miles Cast Iron Pipe</i> | <i>Miles - Other</i> |
|----------------------|-------------------------|-----------------------------|----------------------|
| 15                   | 24                      | 0                           | 34.5 (PVC)           |

### 4. Storage facilities (tanks, reservoirs, regulating reservoirs)

| <i>Name</i>         | <i>Type</i> | <i>Capacity (AF)</i> | <i>Distribution or Spill</i> |
|---------------------|-------------|----------------------|------------------------------|
| Palmer Reservoir    | Reservoir   | 8.6                  | Distribution                 |
| Calaveras Reservoir | Reservoir   | 15.4                 | Distribution                 |
| Derrick Reservoir   | Reservoir   | 23.4                 | Distribution                 |
| Northwest Reservoir | Reservoir   | .6                   | Distribution                 |
| Oil King Reservoir  | Reservoir   | 1.5                  | Distribution                 |

### 5. Description of the agricultural spill recovery system and outflow points.

### 6. Agricultural delivery system operation (check all that apply)

| <i>Scheduled</i> | <i>Rotation</i> | <i>Other (describe)</i> |
|------------------|-----------------|-------------------------|
|                  |                 |                         |

### 7. Restrictions on water source(s)

| <i>Source</i> | <i>Restriction</i> | <i>Cause of Restriction</i> | <i>Effect on Operations</i> |
|---------------|--------------------|-----------------------------|-----------------------------|
|               |                    |                             |                             |

|      |                    |         |  |
|------|--------------------|---------|--|
| USBR | Lowered Allocation | Drought |  |
|      |                    |         |  |

8. *Proposed changes or additions to facilities and operations for the next 5 years*  
Addition of 8.6 AF Storage Reservoir

### **C. Topography and Soils**

1. *Topography of the district and its impact on water operations and management*

2. *District soil association map (Agricultural only)*  
See Attachment A, District Soils Map

3. *Agricultural limitations resulting from soil problems (Agricultural only)*

| <i>Soil Problem</i>            | <i>Estimated Acres</i> | <i>Effect on Water Operations and Management</i> |
|--------------------------------|------------------------|--|
| Salinity                       |                        |  |
| High-water table               |                        |  |
| High or low infiltration rates |                        |  |
| Other (define)                 |                        |  |

**D. Climate**

1. *General climate of the district service area*

| STATION           | STATION_NAME      | DATE     | Total<br>Precipitation | Monthly<br>Mean<br>Max<br>Temp | Monthly<br>Mean<br>Min<br>Temp |
|-------------------|-------------------|----------|------------------------|--------------------------------|--------------------------------|
| GHCND:USC00041864 | COALINGA CA<br>US | 20120101 | 158                    | 183                            | 23                             |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120201 | 5                      | 194                            | 36                             |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120301 | 275                    | 203                            | 57                             |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120401 | 0                      | 223                            | 79                             |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120501 | 0                      | 311                            | 138                            |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120601 | 0                      | 344                            | 167                            |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120701 | 0                      | 371                            | 196                            |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120801 | 0                      | 397                            | 208                            |
| GHCND:USC00041864 | COALINGA CA<br>US | 20120901 | 0                      | 370                            | 186                            |
| GHCND:USC00041864 | COALINGA CA<br>US | 20121001 | 3                      | 288                            | 133                            |
| GHCND:USC00041864 | COALINGA CA<br>US | 20121101 | 36                     | 214                            | -9999                          |

Weather station ID GHCND:USC00041864

Data period: Year 1/1/2012 to Year 12/31/2012

ET Station ID \_\_\_\_\_ Average annual frost-free days: 360

2. *Impact of microclimates on water management within the service area* **NA**

## E. Natural and Cultural Resources

### 1. Natural resource areas within the service area

| <i>Name</i> | <i>Estimated Acres</i> | <i>Description</i> |
|-------------|------------------------|--------------------|
|             |                        |                    |
|             |                        |                    |

### 2. Description of district management of these resources in the past or present

### 3. Recreational and/or cultural resources areas within the service area

| <i>Name</i> | <i>Estimated Acres</i> | <i>Description</i> |
|-------------|------------------------|--------------------|
|             |                        |                    |
|             |                        |                    |

## F. Operating Rules and Regulations

### 1. Operating rules and regulations

See Attachment B, District Rules and Regulations (water related)

### 2. Water allocation policy (Agricultural only)

See Attachment B, Page (insert page number here)

Summary -

### 3. Official and actual lead times necessary for water orders and shut-off (Agricultural only)

See Attachment B, Page (insert page number here)

Summary -

### 4. Policies regarding return flows (surface and subsurface drainage from farms) and outflow (Agricultural only)

See Attachment B, Page (insert page number here)

Summary -

### 5. Policies on water transfers by the district and its customers

See Attachment B, Page (insert page number here)

Summary -

## G. Water Measurement, Pricing, and Billing

### 1. Agricultural Customers - **None**

Refer to BMP A.1. Information on water measurement for agricultural contractors is completed under BMP A.1 on page 4-15.

**2. Urban Customers**

- a. Total number of connections 4964
- b. Total number of metered connections 4964
- c. Total number of connections not billed by quantity 0
- d. Percentage of water that was measured at delivery point 100%
- e. Percentage of delivered water that was billed by quantity 0
- f. Measurement device table

| <i>Meter Size and Type</i> | <i>Number</i> | <i>Accuracy* (+/-percentage)</i> | <i>Reading Frequency (Days)</i> | <i>Calibration Frequency (Months)</i> | <i>Maintenance Frequency (Months)</i> |
|----------------------------|---------------|----------------------------------|---------------------------------|---------------------------------------|---------------------------------------|
| 5/8-3/4"                   | 0             |                                  | 30                              |                                       |                                       |
| 1"                         | 4627          |                                  | 30                              |                                       |                                       |
| 1 1/2"                     | 152           |                                  | 30                              |                                       |                                       |
| 2"                         | 114           |                                  | 30                              |                                       |                                       |
| 3"                         | 30            |                                  | 30                              |                                       |                                       |
| 4"                         | 24            |                                  | 30                              |                                       |                                       |
| 6"                         | 8             |                                  | 30                              |                                       |                                       |
| 8"                         | 2             |                                  | 30                              |                                       |                                       |
| 10"                        | 0             |                                  | 30                              |                                       |                                       |
| Compound                   | 0             |                                  | 30                              |                                       |                                       |
| Turbo                      | 0             |                                  | 30                              |                                       |                                       |
| Water Fixed costs          | 5             |                                  | 30                              |                                       |                                       |
| Mtl Hlth 2x2" meters       | 1             |                                  | 30                              |                                       |                                       |
| Mtl Hlth 2x6" meters       | 1             |                                  | 30                              |                                       |                                       |
| <b>Total</b>               | <b>4964</b>   |                                  | <b>30</b>                       |                                       |                                       |

\*Documentation verifying the accuracy of measurement devices must be submitted with Plan and included as Attachment C.

**3. Agricultural and Urban Rates**

- a. Current year agricultural and /or urban water charges - including rate structures and billing frequency

See Attachment B, Page (insert page number here), for current year rate ordinance

- b. Annual charges collected from agricultural customers

|                         |
|-------------------------|
| Fixed Charges <b>NA</b> |
|-------------------------|

| <i>Charges<br/>(\$ unit)</i> | <i>Charge units<br/>\$/acre, etc.</i> | <i>Units billed during year<br/>acres, etc.</i> | <i>\$ collected<br/>(\$ times units)</i> |
|------------------------------|---------------------------------------|---|--|
|                              |                                       |   |  |

| <b>Volumetric charges NA</b> |                                     |  |  |
|------------------------------|-------------------------------------|--|--|
| <i>Charges<br/>(\$ unit)</i> | <i>Charge units<br/>\$/AF, etc.</i> | <i>Units billed during year<br/>AF, etc.</i> | <i>\$ collected<br/>(\$ times units)</i> |
|                              |                                     |  |  |
|                              |                                     |  |  |
|                              |                                     |  |  |

*annual charges collected from urban customers*

| <b>Fixed Charges Urban Residential and Commercial</b> |  |  |  |
|---|--|--|--|
| <i>Charges<br/>(\$ unit)</i>                          | <i>Charge units<br/>(\$/meter size) etc.</i> | <i>Units billed during year<br/>(by meter size) etc.</i> | <i>\$ collected<br/>(\$ times units)</i> |
| \$19.64   | \$19.64/ 1"                                  |  | \$773269.08                              |
| \$78.50   | \$78.50/1.5"                                 |  | \$67465.43                               |
| \$297.22  | \$297.22/2"                                  |  | \$172336.36                              |
| \$667.38  | \$667.38/3"                                  |  | \$102109.14                              |
| \$1186.68   | \$1186.68/4"                                 |  | \$142401.6                               |
| \$2671.68   | \$2671.68/6"                                 |  | \$128240.64                              |
| \$4750.02   | \$4750.02/8"                                 |  | \$14250.06                               |
| \$5276.96   | \$5276.96/10"                                |  | 0  |

| <b>Volumetric charges - Urban Residential</b> |  |   |  |
|---|--|---|--|
| <i>Charges<br/>(\$ unit)</i>                  | <i>Charge units<br/>(\$/HCF), etc.</i> | <i>Units billed during year<br/>HCF, Kgal, etc.</i> | <i>\$ collected<br/>(\$ times units)</i> |
| Tier 1<br>\$1.35/<br>Thousand<br>Gallon       | Up to 10,000 g/mo                      |   | \$830,352.29                             |
| Tier 2<br>\$1.65/<br>Thousand<br>Gallon       | 10,001 - 30,000 g/mo                   |   |  |
| Tier 3 \$2.00<br>/ Thousand<br>Gallon         | Above 30,000 g/mo                      |   |  |

| Volumetric charges -                                 |  |   |  |
|--|--|---|--|
| <i>Charges<br/>(\$ unit)</i>                         | <i>Charge units<br/>(\$/HCF), etc.</i> | <i>Units billed during year<br/>HCF, Kgal, etc.</i> | <i>\$ collected<br/>(\$ times units)</i> |
| Urban<br>Commercial<br>\$1.45/<br>Thousand<br>Gallon | Thousand Gallons                       | 399,615,169 gallons                                 | \$523,597.16                             |
| Rural<br>\$1.41/<br>Thousand<br>Gallon               | Thousand Gallons                       | 157,093,193   | \$217,637.09                             |
| Construction<br>\$2.78/<br>Thousand<br>Gallon        | Thousand Gallons                       | 9,775,543   | \$27,176.00                              |
| PVSP and<br>CSH<br>\$1.76/<br>Thousand<br>Gallon     | Thousand Gallons                       | 287,126,055   | \$499,650.41                             |

See Attachment C Page (insert page number here), District Sample Bills

c. *Describe the contractor's record management system*

City of Coalinga utilizes computer software named Springbrook Software for billing of all utility services. Utility services billed are water, gas, sewer, garbage and street sweeping every month. All rates approved by City Council are entered and updated into billing software. All water is billed by consumption registered on the meter each month. Water meters are read each month by Public Works department. Water meters in the City of Coalinga are read in cubic feet then converted into gallons by software. All meters in the City are not identical as far as measuring per cubic foot. The majority of meters read in 100's of cubic feet whereas there are meters reading in 10's or single cubic feet. For these occurrences, there is a special multiplier

programmed in the billing software per meter to convert consumption into correct number of gallons.

The timeline for billing starts with set up of accounts. City's billing clerk sets up accounts by entering new and shut off requests made during each month. A customer desiring services from the City has to apply in person with proper identification plus landowner documentation or rental agreement identifying occupant of the property. The City does allow facsimile requests provided all documentation is provided if new customer is not able to personally come in to City Hall. When a customer requests service, a welcoming packet with billing and service information is provided. Before starting each month, the billing clerk enters changes to ensure they are registered in the system before reading begins. Each month on the 1<sup>st</sup> business day, a Public Works maintenance worker starts reading the first day's routes. The City's water and gas meters are included in 23 routes to read within eight to ten business days. A monthly reading schedule spans from the 1<sup>st</sup> through the 15<sup>th</sup> of each month. The City utilizes meter reading software named ReadCenter to read electronically. The billing software, Springbrook, and reading software, ReadCenter, work together for billing of both water and gas meter consumption. All customer billing data is set up in Springbrook. The water meter data is downloaded into files by routes used by ReadCenter. From ReadCenter, Public Works maintenance workers upload the data into handheld devices in order to obtain water meter reads. After reading is completed, the meter reads are downloaded into ReadCenter. The utility billing clerk uploads the water meter reads into Springbrook software. There is verification conducted each month by billing clerk to check for any obvious and possible mis-read meters. This is performed to adequately bill correctly for consumption. In a typical month, this process of verifying water and gas reads occurs as routes have been read during the month. The utility billing clerk has until the 22<sup>nd</sup> through the 25<sup>th</sup> of each month to complete the review of all water and gas reads before preparing for billing.

Before billing occurs by the end of each month, a shut off process occurs for unpaid utility bills. When a customer does not pay utility bills by the 25<sup>th</sup> of each month, a 5% late fee is assessed on the charges outstanding and a 10-Day Notice is generated. The 10-Day Notice is mailed notifying the customer the unpaid charges need to be paid by the 15<sup>th</sup> of the following month to avoid service being turned off. If payment is not paid by the 15<sup>th</sup> of the following month, a \$10.00 processing fee plus a Final Notice is sent to the customer. The Final Notice is mailed notifying the customer the past due amount is due by the 21<sup>st</sup> of the month to avoid service being turned off. If payment is not made by the 21<sup>st</sup>, the following business day service is turned off for non-payment of past due amount including late fees. There is a \$45.00 shut-off/reconnection fee assessed on accounts whose service has been turned off. In order to reconnect services for the customer, all past due amounts will need to be paid before reconnection is approved.

The utility billing clerk prepares monthly billing by using Springbrook approximately on the 27<sup>th</sup> day of each month after 10-Day notices are generated. The City of Coalinga outsources the printing and mailing of 10-Day Notices and utility bills to Dataprose, Inc. The Final Notices are printed and mailed by the City of Coalinga. The outsource company, Dataprose, receives a data file from the City in order to print 10-Day Notices and utility bills. Dataprose provides City of Coalinga with files in pdf format of all 10-Day Notices and utility bills in order to access by City of Coalinga Finance staff. In some instances, when a customer requests a copy of their utility bill staff will access these files to provide a copy to the customer. A regular utility bill will display the water and gas readings by identifying either water or gas, previous reading and

reading date, current reading and reading date, plus resulting consumption in cubic feet. The charges will display total water charges for water consumption plus water meter fixed rate. Also, total gas charges for gas consumption plus monthly fixed rate. The other charges for sewer, garbage and street sweeping will display as they pertain for each account. There are some accounts that do not bill for all services depending on the setup of each address.

When billing is generated, utility billing clerk prints a billing register, trial balance and aging report each month. The reports are filed by month and reviewed by management periodically. The aging report is utilized by utility billing clerk to start collection process on old accounts. Finance staff will send reminder letters before submission to the collection agency, Kings Credit Services. Accounts that are deemed uncollectible, past 90 days, by which City cannot locate customer they are sent to Kings Credit Services for collection.

Currently, a utility bill does not display historic data only current consumption and charges. When a customer inquires about their consumption, Finance staff will print their historic use with billing information. The City of Coalinga currently has historical meter reading data starting fiscal year 2001-2002, when Springbrook software was activated. At this time, rates are provided to existing customers per inquiry and when new customers request service. At this time, City of Coalinga has begun since year 2013 working on updating format of utility bills presented to customers. The utility bill will be including detailed view for all metered service charges. For water charges, bill will include detail charge for fixed rate and consumption. If a residential customer, the water charge is based on a tiered rate structure. The new detailed bill will include this breakdown within each tier if applicable along with total sum of all components to equal total water charges. For each respective other type of customer with billing rates for commercial, rural, Pleasant Valley Prison and Coalinga State Hospital, water charges will detail according to the rate structure. These latter types of customers have a fixed rate and one consumption rate per 1,000 gallons for each component of water charges per month. Currently, the expected time frame to complete this update to City of Coalinga's utility bills is end of calendar year 2014.

## **H. Water Shortage Allocation Policies**

### *1. Current year water shortage policies or shortage response plan - specifying how reduced water supplies are allocated*

See Attachment D, page (insert page number here), District Water Shortage Plan

The City does not have a District Water Shortage Plan at this time. Staff is in the process of creating a plan.

### *2. Current year policies that address wasteful use of water and enforcement methods*

See Attachment B, page (insert page number here)

The City Council in March 19, 2009 approved Stage 1 of the Water Conservation Ordinance to be enacted which remained in effect until March 6, 2014. City Staff comprising two individuals of the Code Enforcement Division were charged with administration and enforcement of the ordinance.

The City Council on March 6, 2014:

- Enacted Stage 2 of the Water Conservation Ordinance
- Authorized hiring of two water conservation assistants
- Passed Resolution No. 3636 - A moratorium on Permits for New Pools, Spa's, Hot Tub's, Decorative Fountain's, or Water Feature's during the drought.

**I. Evaluate Policies of Regulatory Agencies Affecting the Contractor and Identify Policies that Inhibit Good Water Management. **None known.****

**Section II: Inventory of Water Resources**

**A. Surface Water Supply**

1. *Surface water supplies in acre feet, imported and originating within the service area, by month (Table 1).*

See Chapter 5, Water Inventory Tables, Table 1

2. *Amount of water delivered to the district by each of the district sources for the last 10 years*

See Chapter 5, Water Inventory Tables, Table 8.

**B. Groundwater Supply**

1. *Groundwater extracted by the district and delivered, by month (Table 2)*

See Chapter 5, Water Inventory Tables, Table 2

2. *Groundwater basin(s) that underlies the service area*

| <i>Name</i> | <i>Size (Square Miles)</i> | <i>Usable Capacity (AF)</i> | <i>Safe Yield (AF/Y)</i> |
|-------------|----------------------------|-----------------------------|--------------------------|
|             |                            |                             |                          |
|             |                            |                             |                          |

3. *Map of district-operated wells and managed groundwater recharge areas*

See Attachment A, for District Map of Groundwater Facilities

**NA**

4. *Description of conjunctive use of surface and groundwater (Please review Guidebook definition of conjunctive use)*

**NA**

5. *Groundwater Management Plan*

See Attachment F, Groundwater Management Plan

**NA**

6. *Groundwater Banking Plan*

See Attachment G, Groundwater Banking Plan

**NA**

**C. Other Water Supplies**

1. "Other" water used as part of the water supply – Describe supply

See Chapter 5, Water Inventory Tables, Table 1

NA

### D. Source Water Quality Monitoring Practices

1. Potable Water Quality (Urban only)

See Attachment H – District Annual Potable Water Quality Report: City of Coalinga Consumer Confidence Report 2012

2. Agricultural water quality concerns: Yes \_\_\_\_\_ No \_\_\_\_\_  
(If yes, describe)

3. Description of the agricultural water quality testing program and the role of each participant, including the district, in the program

4. Current water quality monitoring programs for surface water by source (Agricultural only)

| <i>Analyses Performed</i> | <i>Frequency</i> | <i>Concentration Range</i> | <i>Average</i> |
|---------------------------|------------------|----------------------------|----------------|
|                           |                  |                            |                |
|                           |                  |                            |                |
|                           |                  |                            |                |
|                           |                  |                            |                |

*Current water quality monitoring programs for groundwater by source (Agricultural only)*

| <i>Analyses Performed</i> | <i>Frequency</i> | <i>Concentration Range</i> | <i>Average</i> |
|---------------------------|------------------|----------------------------|----------------|
|                           |                  |                            |                |
|                           |                  |                            |                |
|                           |                  |                            |                |
|                           |                  |                            |                |

### E. Water Uses within the District

1. Agricultural

See Chapter 5, Water Inventory Tables, Table 5 - Crop Water Needs

2. Types of irrigation systems used for each crop in current year

| <i>Crop name</i> | <i>Total Acres</i> | <i>Level Basin - acres</i> | <i>Furrow - acres</i> | <i>Sprinkler – acres</i> | <i>Low Volume - acres</i> | <i>Multiple methods - acres</i> |
|------------------|--------------------|----------------------------|-----------------------|--------------------------|---------------------------|---------------------------------|
|                  |                    |                            |                       |                          |                           |                                 |
| <b>TOTAL</b>     |                    |                            |                       |                          |                           |                                 |

3. *Urban use by customer type in current year*

| <i>Customer Type</i>        | <i>Number of Connections</i> | <i>AF</i> |
|-----------------------------|------------------------------|-----------|
| <i>Single-family</i>        | 4363                         | 1919      |
| <i>Multi-family</i>         |                              |           |
| <i>Commercial</i>           | 511                          | 1226      |
| <i>Industrial</i>           |                              |           |
| <i>Institutional</i>        | 4                            | 881       |
| <i>Landscape irrigation</i> |                              |           |
| <i>Wholesale</i>            |                              |           |
| <i>Recycled</i>             |                              |           |
| <i>Other (Rural)</i>        | 80                           | 475       |
| <i>Other (specify)</i>      |                              |           |
| <i>Other (specify)</i>      |                              |           |
| <i>Unaccounted for</i>      |                              |           |
| <b>Total</b>                | 4958                         | 4501      |

4. *Urban Wastewater Collection/Treatment Systems serving the service area*

| <i>Treatment Plant</i>                       | <i>Treatment Level (1, 2, 3)</i> | <i>AF</i> | <i>Disposal to / uses</i> |
|--|----------------------------------|-----------|---------------------------|
| Coalinga Waste Water Treatment Plant         | 1                                | 880       | Agriculture               |
|  |                                  |           |                           |
|  | <b>Total</b>                     | 880       |                           |
| Total discharged to ocean and/or saline sink |                                  |           |                           |

5. *Groundwater recharge in current year (Table 6)*

| <i>Recharge Area</i> | <i>Method of Recharge</i> | <i>AF</i> | <i>Method of Retrieval</i> |
|----------------------|---------------------------|-----------|----------------------------|
|                      |                           |           |                            |
|                      |                           |           |                            |
|                      |                           |           |                            |
|                      | <b>Total</b>              |           |                            |

6a. *Transfers and exchanges into the service area in current year – (Table 1) NA*

| <i>From Whom</i> | <i>To Whom</i> | <i>AF</i> | <i>Use</i> |
|------------------|----------------|-----------|------------|
|                  |                |           |            |
|                  |                |           |            |
|                  |                |           |            |
|                  | <b>Total</b>   |           |            |

6b. *Transfers and exchanges out of the service area in current year – (Table 6) NA*

| <i>From Whom</i> | <i>To Whom</i> | <i>AF</i> | <i>Use</i> |
|------------------|----------------|-----------|------------|
|                  |                |           |            |
|                  |                |           |            |
|                  |                |           |            |
|                  | <b>Total</b>   |           |            |

7. *Wheeling, or other transactions in and out of the district boundaries – (Table 6)*

| <i>From Whom</i> | <i>To Whom</i> | <i>AF</i> | <i>Use</i> |
|------------------|----------------|-----------|------------|
|                  |                |           |            |
|                  |                |           |            |
|                  |                |           |            |
|                  | Total          |           |            |

8. *Other uses of water*

| <i>Other Uses</i> | <i>AF</i> |
|-------------------|-----------|
|                   |           |
|                   |           |

**F. Outflow from the District (Agricultural only)**

See Facilities Map, Attachment A, for the location of surface and subsurface outflow points, outflow measurement points, outflow water-quality testing locations

1. *Surface and subsurface drain/outflow*

| <i>Outflow point</i> | <i>Location description</i> | <i>AF</i> | <i>Type of measurement</i> | <i>Accuracy (%)</i> | <i>% of total outflow</i> | <i>Acres drained</i> |
|----------------------|-----------------------------|-----------|----------------------------|---------------------|---------------------------|----------------------|
|                      |                             |           |                            |                     |                           |                      |
|                      |                             |           |                            |                     |                           |                      |
|                      |                             |           |                            |                     |                           |                      |
|                      |                             |           |                            |                     |                           |                      |

| <i>Outflow point</i> | <i>Where the outflow goes (drain, river or other location)</i> | <i>Type Reuse (if known)</i> |
|----------------------|--|------------------------------|
|                      |  |                              |
|                      |  |                              |
|                      |  |                              |
|                      |  |                              |

2. *Description of the Outflow (surface and subsurface) water quality testing program and the role of each participant in the program*

3. *Outflow (surface drainage & spill) Quality Testing Program*

| <i>Analyses Performed</i> | <i>Frequency</i> | <i>Concentration Range</i> | <i>Average</i> | <i>Reuse limitation?</i> |
|---------------------------|------------------|----------------------------|----------------|--------------------------|
|                           |                  |                            |                |                          |
|                           |                  |                            |                |                          |
|                           |                  |                            |                |                          |
|                           |                  |                            |                |                          |

*Outflow (subsurface drainage) Quality Testing Program*

| <i>Analyses Performed</i> | <i>Frequency</i> | <i>Concentration Range</i> | <i>Average</i> | <i>Reuse limitation?</i> |
|---------------------------|------------------|----------------------------|----------------|--------------------------|
|                           |                  |                            |                |                          |
|                           |                  |                            |                |                          |
|                           |                  |                            |                |                          |
|                           |                  |                            |                |                          |

4. Provide a brief discussion of the District’s involvement in Central Valley Regional Water Quality Control Board programs or requirements for remediating or monitoring any contaminants that would significantly degrade water quality in the receiving surface waters.

*Districts included in the drainage problem area, as identified in “A Management Plan for Agricultural Subsurface Drainage and Related Problems on the Westside San Joaquin Valley (September 1990),” should also complete **Water Inventory Table 7 and Addendum C (include in plan as Attachment J)***

**G. Water Accounting (Inventory)**

Go To Chapter 5 for Agricultural Water Inventory Tables and Instructions.

Go To Chapter 6 for Urban Water Inventory Tables and Instructions.

**Section III: Best Management Practices (BMPs) for Agricultural Contractors**

**No Agricultural Contractors (Critical BMPs Listed Below are N/A)**

1. *Measure the volume of water delivered by the district to each turnout with devices that are operated and maintained to a reasonable degree of accuracy, under most conditions, to +/- 6%*

- a. *Number of delivery points (turnouts and connections)* \_\_\_\_\_
- b. *Number of delivery points serving more than one farm* \_\_\_\_\_
- c. *Number of measured delivery points (meters and measurement devices)* \_\_\_\_\_
- d. *Percentage of delivered water that was measured at a delivery point* \_\_\_\_\_
- e. *Total number of delivery points not billed by quantity* \_\_\_\_\_
- f. *Delivery point measurement device table*

| <i>Measurement Type</i> | <i>Number</i> | <i>Accuracy* (+/- %)</i> | <i>Reading Frequency (Days)</i> | <i>Calibration Frequency (Months)</i> | <i>Maintenance Frequency (Months)</i> |
|-------------------------|---------------|--------------------------|---------------------------------|---------------------------------------|---------------------------------------|
| <i>Orifices</i>         |               |                          |                                 |                                       |                                       |
| <i>Propeller meter</i>  |               |                          |                                 |                                       |                                       |
| <i>Weirs</i>            |               |                          |                                 |                                       |                                       |

|                         |  |  |  |  |  |
|-------------------------|--|--|--|--|--|
| <i>Flumes</i>           |  |  |  |  |  |
| <i>Venturi</i>          |  |  |  |  |  |
| <i>Metered gates</i>    |  |  |  |  |  |
| <i>Acoustic doppler</i> |  |  |  |  |  |
| <i>Other (define)</i>   |  |  |  |  |  |
| <i>Total</i>            |  |  |  |  |  |

\*Documentation verifying the accuracy of measurement devices must be submitted with Plan and included in Attachment C.

2. Designate a water conservation coordinator to develop and implement the Plan and develop progress reports

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Provide the job description and minimum qualifications

3. Provide or support the availability of water management services to water users  
See Attachment H, Notices of District Education Programs and Services Available to Customers.

**a. On-Farm Evaluations**

- 1) On farm irrigation and drainage system evaluations using a mobile lab type assessment

|                        | <i>Total in district</i> | <i># surveyed last year</i> | <i># surveyed in current year</i> | <i># projected for next year</i> | <i># projected 2<sup>nd</sup> yr in future</i> |
|------------------------|--------------------------|-----------------------------|-----------------------------------|----------------------------------|--|
| <i>Irrigated acres</i> |                          |                             |                                   |                                  |  |
| <i>Number of farms</i> |                          |                             |                                   |                                  |  |

- 2) Timely field and crop-specific water delivery information to the water user

**b. Real-time and normal irrigation scheduling and crop ET information**

**c. Surface, ground, and drainage water quantity and quality data provided to water users**

**d. Agricultural water management educational programs and materials for farmers, staff, and the public**

|                |                            |                       |
|----------------|----------------------------|-----------------------|
| <i>Program</i> | <i>Co-Funders (If Any)</i> | <i>Yearly Targets</i> |
|----------------|----------------------------|-----------------------|

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

See Attachment H for samples of provided materials and notices

*e. other*

4. *Pricing structure - based at least in part on quantity delivered*

Adopt a water pricing structure based on the measured quantity delivered

5. *Evaluate and improve efficiencies of district pumps*

Describe the program to evaluate and improve the efficiencies of the contractor's pumps.

|                   | <i>Total in district</i> | <i># surveyed last year</i> | <i># surveyed in current year</i> | <i># projected for next year</i> |
|-------------------|--------------------------|-----------------------------|-----------------------------------|----------------------------------|
| <i>Wells</i>      |                          |                             |                                   |                                  |
| <i>Lift pumps</i> | 14                       | 0                           | 0                                 | 14                               |

**B. Exemptible BMPs for Agricultural Contractors**

*(See Planner, Chapter 2, Addendum B for examples of exemptible conditions)*

1. *Facilitate alternative land use*

| <i>Drainage Characteristic</i>                        | <i>Acreage</i> | <i>Potential Alternate Uses</i> |
|---|----------------|---------------------------------|
| <i>High water table (&lt;5 feet)</i>                  |                |                                 |
| <i>Poor drainage</i>                                  |                |                                 |
| <i>Groundwater Selenium concentration &gt; 50 ppb</i> |                |                                 |
| <i>Poor productivity</i>                              |                |                                 |

Describe how the contractor encourages customers to participate in these programs.

2. *Facilitate use of available recycled urban wastewater*

| <i>Sources of Recycled Urban Waste Water</i> | <i>AF/Y Available</i> | <i>AF/Y Currently Used in District</i> |
|--|-----------------------|--|
|  |                       |  |
|  |                       |  |

3. *Facilitate the financing of capital improvements for on-farm irrigation systems*

| <i>Program</i> | <i>Description</i> |
|----------------|--------------------|
|                |                    |
|                |                    |
|                |                    |

4. *Incentive pricing*

Describe incentive rate structure and purpose.

5. a) *Line or pipe ditches and canals*

| <i>Canal/Lateral (Reach)</i> | <i>Type of Improvement</i> | <i>Number of Miles in Reach</i> | <i>Estimated Seepage (AF/Y)</i> | <i>Accomplished/Planned Date</i> |
|------------------------------|----------------------------|---------------------------------|---------------------------------|----------------------------------|
|                              |                            |                                 |                                 |                                  |
|                              |                            |                                 |                                 |                                  |
|                              |                            |                                 |                                 |                                  |

b) *Construct/line regulatory reservoirs*

| <i>Reservoir Name</i> | <i>Location</i> | <i>Describe improved operational flexibility and AF savings</i> |
|-----------------------|-----------------|---|
|                       |                 |   |
|                       |                 |   |

6. *Increase flexibility in water ordering by, and delivery to, water users*

See Attachment I, contractor 'agricultural water order' form

7. *Construct and operate district spill and tailwater recovery systems*

| <i>Distribution System Lateral</i> | <i>Annual Spill (AF/Y)</i> | <i>Quantity Recovered and reused (AF/Y)</i> |
|------------------------------------|----------------------------|---|
|                                    |                            |   |
|                                    |                            |   |
|                                    |                            |   |
| <b>Total</b>                       |                            |   |

| <i>Drainage System Lateral</i> | <i>Annual Drainage Outflow (AF/Y)</i> | <i>Quantity Recovered and reused (AF/Y)</i> |
|--------------------------------|---------------------------------------|---|
|                                |                                       |   |
|                                |                                       |   |
|                                |                                       |   |
| <b>Total</b>                   |                                       |   |

Describe facilities that resulted in reduced spill and tailwater

8. *Plan to measure outflow.*

*Total # of outflow (surface) locations/points* \_\_\_\_\_

*Total # of outflow (subsurface) locations/points* \_\_\_\_\_

*Total # of measured outflow points* \_\_\_\_\_

*Percentage of total outflow (volume) measured during report year* \_\_\_\_\_

*Identify locations, prioritize, determine best measurement method/cost, submit funding proposal*

| <i>Location &amp; Priority</i> | <i>Estimated cost (in \$1,000s)</i> |
|--------------------------------|-------------------------------------|
|                                |                                     |

|  | <i>Year 1</i> | <i>Year 2</i> | <i>Year 3</i> | <i>Year 4</i> | <i>Year 5</i> |
|--|---------------|---------------|---------------|---------------|---------------|
|  |               |               |               |               |               |
|  |               |               |               |               |               |
|  |               |               |               |               |               |
|  |               |               |               |               |               |
|  |               |               |               |               |               |

9. *Optimize conjunctive use of surface and groundwater*

Describe the potential for increasing conjunctive use of surface and groundwater.

10. *Automate distribution and/or drainage system structures*

Identify locations where automation would increase delivery flexibility and reduce spill and losses. Describe program to achieve these benefits and estimate the annual water savings.

11. *Facilitate or promote water customer pump testing and evaluation*

See Attachment H, Notices of District Education Programs and Services Available to Customers

12. *Mapping*

| <i>GIS maps</i>                                   | <i>Estimated cost (in \$1,000s)</i> |               |               |               |               |
|---|-------------------------------------|---------------|---------------|---------------|---------------|
|   | <i>Year 1</i>                       | <i>Year 2</i> | <i>Year 3</i> | <i>Year 5</i> | <i>Year 6</i> |
| <i>Layer 1 – Distribution system</i>              | 10                                  | 10            | 3             | 3             | 3             |
| <i>Layer 2 – Drainage system</i>                  | 3                                   | 3             | 2             | 2             | 2             |
| <i>Suggested layers:</i>                          |                                     |               |               |               |               |
| <i>Layer 3 – Groundwater information</i>          |                                     |               |               |               |               |
| <i>Layer 4 – Soils map</i>                        |                                     |               |               |               |               |
| <i>Layer 5 – Natural &amp; cultural resources</i> |                                     |               |               |               |               |
| <i>Layer 6 – Problem areas</i>                    |                                     |               |               |               |               |

**C. Provide a 3-Year Budget for Implementing BMPs**

1. *Amount actually spent during current year.*

| <i>Year 2012 or Year 1</i> |  | <i>Actual Expenditure</i>         |                    |
|----------------------------|--|-----------------------------------|--------------------|
| <i>BMP #</i>               | <i>BMP Name</i>                                | <i>(not including staff time)</i> | <i>Staff Hours</i> |
| A 1                        | <i>Measurement</i>                             | \$0                               | 0                  |
| 2                          | <i>Conservation staff</i>                      | \$0                               | 0                  |
| 3                          | <i>On-farm evaluation /water delivery info</i> | \$0                               | 0                  |
|                            | <i>Irrigation Scheduling</i>                   | \$0                               | 0                  |
|                            | <i>Water quality</i>                           | \$0                               | 0                  |
|                            | <i>Agricultural Education Program</i>          | \$0                               | 0                  |
| 4                          | <i>Quantity pricing</i>                        | \$0                               | 0                  |
| 5                          | <i>Contractor’s pumps</i>                      | \$0                               | 0                  |
| B 1                        | <i>Alternative land use</i>                    | \$0                               | 0                  |

|    |   |     |   |
|----|---|-----|---|
| 2  | Urban recycled water use                  | \$0 | 0 |
| 3  | Financing of on-farm improvements         | \$0 | 0 |
| 4  | Incentive pricing                         | \$0 | 0 |
| 5  | Line or pipe canals/install reservoirs    | \$0 | 0 |
| 6  | Increase delivery flexibility             | \$0 | 0 |
| 7  | District spill/tailwater recovery systems | \$0 | 0 |
| 8  | Measure outflow                           | \$0 | 0 |
| 9  | Optimize conjunctive use                  | \$0 | 0 |
| 10 | Automate canal structures                 | \$0 | 0 |
| 11 | Customer pump testing                     | \$0 | 0 |
| 12 | Mapping                                   | \$0 | 0 |
|    | <i>Total</i>                              | \$0 | 0 |

2. Projected budget summary for the next year.

| Year <u>2013</u> or Year <u>2</u> |   | Budgeted Expenditure       | Staff Hours |
|-----------------------------------|---|----------------------------|-------------|
| BMP #                             | BMP Name                                  | (not including staff time) |             |
| A 1                               | Measurement                               | \$0                        | 0           |
| 2                                 | Conservation staff                        | \$0                        | 0           |
| 3                                 | On-farm evaluations/water delivery info   | \$0                        | 0           |
|                                   | Irrigation Scheduling                     | \$0                        | 0           |
|                                   | Water quality                             | \$0                        | 0           |
|                                   | Agricultural Education Program            | \$0                        | 0           |
| 4                                 | Quantity pricing                          | \$0                        | 0           |
| 5                                 | Contractor's pumps                        | \$0                        | 0           |
| B 1                               | Alternative land use                      | \$0                        | 0           |
| 2                                 | Urban recycled water use                  | \$0                        | 0           |
| 3                                 | Financing of on-farm improvements         | \$0                        | 0           |
| 4                                 | Incentive pricing                         | \$0                        | 0           |
| 5                                 | Line or pipe canals/install reservoirs    | \$0                        | 0           |
| 6                                 | Increase delivery flexibility             | \$0                        | 0           |
| 7                                 | District spill/tailwater recovery systems | \$0                        | 0           |
| 8                                 | Measure outflow                           | \$0                        | 0           |
| 9                                 | Optimize conjunctive use                  | \$0                        | 0           |
| 10                                | Automate canal structures                 | \$0                        | 0           |
| 11                                | Customer pump testing                     | \$0                        | 0           |
| 12                                | Mapping                                   | \$0                        | 0           |
|                                   | <i>Total</i>                              | \$0                        | 0           |

3. Projected budget summary for 3<sup>rd</sup> year.

| Year <u>2014</u> or Year <u>3</u> |   | Budgeted Expenditure       | Staff Hours |
|-----------------------------------|---|----------------------------|-------------|
| BMP #                             | BMP Name                                | (not including staff time) |             |
| A 1                               | Measurement                             | \$0                        | 0           |
| 2                                 | Conservation staff                      | \$0                        | 0           |
| 3                                 | On-farm evaluations/water delivery info | \$0                        | 0           |
|                                   | Irrigation Scheduling                   | \$0                        | 0           |
|                                   | Water quality                           | \$0                        | 0           |
|                                   | Agricultural Education Program          | \$0                        | 0           |

|          |    |  |     |   |
|----------|----|--|-----|---|
|          | 4  | <i>Quantity pricing</i>                          | \$0 | 0 |
|          | 5  | <i>Contractor's pumps</i>                        | \$0 | 0 |
| <i>B</i> | 1  | <i>Alternative land use</i>                      | \$0 | 0 |
|          | 2  | <i>Urban recycled water use</i>                  | \$0 | 0 |
|          | 3  | <i>Financing of on-farm improvements</i>         | \$0 | 0 |
|          | 4  | <i>Incentive pricing</i>                         | \$0 | 0 |
|          | 5  | <i>Line or pipe canals/install reservoirs</i>    | \$0 | 0 |
|          | 6  | <i>Increase delivery flexibility</i>             | \$0 | 0 |
|          | 7  | <i>District spill/tailwater recovery systems</i> | \$0 | 0 |
|          | 8  | <i>Measure outflow</i>                           | \$0 | 0 |
|          | 9  | <i>Optimize conjunctive use</i>                  | \$0 | 0 |
|          | 10 | <i>Automate canal structures</i>                 | \$0 | 0 |
|          | 11 | <i>Customer pump testing</i>                     | \$0 | 0 |
|          | 12 | <i>Mapping</i>                                   | \$0 | 0 |
|          |    | <i>Total</i>                                     | \$0 | 0 |

## Section IV:

## Best Management Practices for Urban Contractors

### A. Urban BMPs

The Pleasant Valley State Prison and California State Hospital are located in the City of Coalinga. The City is monitoring the historic and current CDPG for both the urban users and the PVSP and the CSH using the CUWCC spreadsheets to establish a Baseline and current CDPG consumption data. Historic and CUWCC Spreadsheets are included at the end of this Section.

### Foundational BMPs

#### 1. Utility Operations Programs

##### 1.1. Operations Practices

Tito Balling - Chief Plant Operator  
City of Coalinga/California Water Services  
155 Durian St.  
Coalinga CA 93210

Water Treatment Plant Office: 559-935-2981  
Fax: 559-935-5912  
Cell Phone: 559-250-5840  
E-Mail: [tballing@calh2o.com](mailto:tballing@calh2o.com)

##### Conservation Practices

Dan Bergmann, P.E.  
Conservation Specialist  
IGService / Petrodata / A.I.R.  
15 Shasta Lane  
Walnut Creek, CA 94597

Office: 925-946-9090  
Mobil: 925-899-2578  
Email: [dan@igservice.com](mailto:dan@igservice.com)

---

## City of Coalinga

155 W. Durian  
Coalinga, CA 93210

## Chief Plant Operator

Pay Class: 35 Basic  
FLSA Exempt

### DEFINITION

Under the direction of the City Manager, responsible for the treatment, purveyance, and storage of potable water supply and staffing and planning to insure compliance with all regulations related to drinking water. Responsible for the operation and maintenance of the wastewater treatment plant. Prepares all reports required by various regulating agencies. Responsible for budget preparation, purchasing and record keeping required for the operation of the water utility. Supervises and trains all department personnel to ensure compliance with the Regional Water Quality Control Board regulations and the Department of Health Service guidelines and recommendations.

### EXAMPLES OF ESSENTIAL DUTIES

**NOTE:** *Examples listed in this class specification represents but is not necessarily exhaustive or descriptive of duties assigned to this position. Each individual in this classification may not necessarily perform all the duties listed. Further, management is not precluded from assigning other related tasks not listed herein if such duties are a logical assignment for this position.*

- *Evaluates real time operational and historic data to determine optimal flow rates, chemical feed rates, filter backwash scheduling, and all other parameters needed in the operation of the water treatment, transmission and reservoir systems.*
- *Monitors all applicable water quality parameters to insure that EPA and DHS quality standards are being met at all times in treatment and distribution systems.*

- Maintains daily records of events, equipment maintenance and repair needed in the daily operation of the water utility for the purpose of reporting and operational planning.
- Evaluates operational expenses to insure efficiency in the use of operations budget.
- Coordinates the employee safety program for water utility.
- Oversees the water laboratory technician to insure all water quality testing and reporting regulations are met.
- Takes water samples and makes standardized laboratory tests, such as tests for pH, turbidity and fluoride concentration. Does field testing for chlorine residual, temperature, pH and additional tests as needed.
- Supervises the training of new operators.
- Directs the response to water quality complaints.
- Makes presentations to the public and the City Council for water utility.
- Carries out daily pre-job inspection of equipment and vehicles; performs other regular safety, maintenance, and cleanliness checks as required.
- *Guides individuals or groups of visitors through the plant discussing plant operations and functions and all applicable EPA, DHS, WRCB and Health Services regulations governing the operation of water and wastewater treatment plants.*
- *Generates reports using Excel, DDE services, and archived data in technically complex functions.*
- *Performs other duties as assigned.*

➤ April 3, 2014 Motion Passed by City Council authorizing hiring of two Water Conservation Assistants. Primary duties to patrol City Streets looking for water use contrary to Stage 2 Restrictions and report for follow up to Code Enforcement Officials.

- Omar Mendoza - Water Conservation Assistant

City of Coalinga – Water & Waste Water Dept.  
 155 Durian St. Coalinga CA 93210  
 Phone Office: 559-935-2981  
 Fax: 559-935-5912  
 Cell Phone: 559-341-9358

#### A.2) Water waste prevention

- Ord. No. 746, § 1, eff. March 19, 2009  
<https://library.municode.com/index.aspx?clientId=14968>
- Ord. No. 755, § 2, eff. 2-7-2010 CHAPTER 6-4B. WATER EFFICIENT LANDSCAPE STANDARDS
- Resolution No. 3636 March 6, 2014, Moratorium on permits for New Pools, Spa's, Hot Tub's, Decorative Fountains, or Water Features during Drought

- Resolution No. 3640 March 6, 2014: Impose Stage 2 of the Cities Water Conservation Plan

#### A.3) Wholesale agency assistance programs

#### 1.2. Water Loss Control

#### 1.3. Metering with Commodity Rates for All New Connections and Retrofit of Existing Connections

- Coalinga, California, Code of Ordinances, TITLE 6. - SANITATION AND HEALTH CHAPTER 4. WATER SERVICES >>  
<https://library.municode.com/index.aspx?clientId=14968>

#### 1.4. Retail Conservation Pricing

- Coalinga, California, Code of Ordinances, TITLE 6. - SANITATION AND HEALTH CHAPTER 4. WATER SERVICES >>  
<https://library.municode.com/index.aspx?clientId=14968>

### 2. Education Programs

#### 2.1. Public Information Programs

- The home page of the City of Coalinga's website contains the Water Conservation Stage 2 information.
  - The address is: <http://www.coalinga.com/?pg=0>
- The water resources page on the City of Coalinga's website contains further details on the Water Conservation Programs.
  - The address is: <http://www.coalinga.com/?pg=11>
- The City of Coalinga has a Electronic Billboard on Highway 198 / 33 entrance to town. The Billboard has several messages about water conservation that scroll through in a continuous loop.
- Several articles regarding the City's Water Conservation requirements, programs and enforcement efforts have been published in the local newspaper. "The Coalinga Recorder"

#### 2.2. School Education Programs

### **Programmatic BMPs**

### 3. Residential

#### A.1) Residential assistance program

- The City provides at no cost to its water customers a Water Conservation Kit that is available at City Hall.

#### A.2) Landscape water survey

#### A.3) High-efficiency clothes washers (HECWs)

#### A.4) WaterSense Specification (WSS) toilets

#### A.5) WaterSense Specifications for residential development

- 4. Commercial, Industrial, and Institutional (CII)
- 5. Landscape

**B. Provide a 3-Year Budget for Expenditures and Staff Effort for BMPs**

1. Amount actually spent during current year.

Year 2014 or Year 1 Projected Expenditures  
BMP # BMP Name (not including staff hours) Staff Hours

1. Utilities Operations

|     |                             |              |      |
|-----|-----------------------------|--------------|------|
| 1.1 | Operations Practices        | \$ 9,698.16  | 408  |
| 1.2 | Water Loss Control          | \$ 10,210.00 | 1000 |
| 1.3 | Metering                    | \$ 3,162.00  | 200  |
| 1.4 | Retail Conservation Pricing | \$ 3,288.00  | 100  |

|     |                             |             |     |
|-----|-----------------------------|-------------|-----|
| 2   | Education Programs          |             |     |
| 2.1 | Public Information Programs | \$ 1,718.08 | 104 |
| 2.2 | School Education Programs   | \$ 1,718.08 | 104 |

|                |                   |      |
|----------------|-------------------|------|
| 3. Residential | \$0               | 0    |
| 4. CII         | \$0               | 0    |
| 5. Landscape   | \$0               | 0    |
|                | Total \$29,794.32 | 1916 |

2. Projected budget summary for 2<sup>nd</sup> year.

Year 2015 or Year 2 Projected Expenditures  
BMP # BMP Name (not including staff hours) Staff Hours

1. Utilities Operations

|                                 |           |      |
|---------------------------------|-----------|------|
| 1.1 Operations Practices        | \$9698.16 | 408  |
| 1.2 Water Loss Control          | \$10210   | 1000 |
| 1.3 Metering                    | \$3162    | 200  |
| 1.4 Retail Conservation Pricing | \$3288    | 100  |

2. Education Programs

|                                 |           |     |
|---------------------------------|-----------|-----|
| 2.1 Public Information Programs | \$1718.08 | 104 |
| 2.2 School Education Programs   | \$1718.08 | 104 |

|                |     |   |
|----------------|-----|---|
| 3. Residential | \$0 | 0 |
| 4. CII         | \$0 | 0 |

|                     |                         |             |
|---------------------|-------------------------|-------------|
| 5. <i>Landscape</i> | <u>\$0</u>              | <u>0</u>    |
|                     | <i>Total</i> \$29794.32 | <i>1916</i> |

3. *Projected budget summary for 3<sup>rd</sup> year.*

| Year <u>2014</u> or <u>Year 3</u>      | Projected Expenditures      |             |
|--|-----------------------------|-------------|
| BMP #                  BMP Name        | (not including staff hours) | Staff Hours |
| 1. <i>1. Utilities Operations</i>      |                             |             |
| <i>1.1 Operations Practices</i>        | \$9698.16                   | 408         |
| <i>1.2 Water Loss Control</i>          | \$10210                     | 1000        |
| <i>1.3 Metering</i>                    | \$3162                      | 200         |
| <i>1.4 Retail Conservation Pricing</i> | \$3288                      | 100         |
| 2. <i>Education Programs</i>           |                             |             |
| <i>2.1 Public Information Programs</i> | \$1718.08                   | 104         |
| <i>2.2 School Education Programs</i>   | \$1718.08                   | 104         |
| 3. <i>Residential</i>                  | \$0                         | 0           |
| 4. <i>CII</i>                          | \$0                         | 0           |
| 5. <i>Landscape</i>                    | <u>\$0</u>                  | <u>0</u>    |
|  | <i>Total</i> \$29794.32     | <i>1916</i> |

**CUWCC Spreadsheets**  
**Documentation of Historic and Current Consumption**

**US Bureau of Reclamation Water Management Plan  
City of Coalinga 1997 - 2014 Water Use by Customer Class**

| Year | Population by Category <sup>1</sup> |                              |                         | Annual Water Use By Category, AF <sup>2</sup> |                                 |                           | Annual Water Use By Category, MG <sup>2</sup> |                                 |                           | Daily Water Use By Category, GPCD |                                    |                        |
|------|-------------------------------------|------------------------------|-------------------------|---|---------------------------------|---------------------------|---|---------------------------------|---------------------------|-----------------------------------|------------------------------------|------------------------|
|      | Urban Population                    | Prison & Hospital Population | Total Population Served | Urban Annual Water Use AF                     | Prison & Hospital Annual Use AF | Total Annual Water Use AF | Urban Annual Water Use MG                     | Prison & Hospital Annual Use MG | Total Annual Water Use MG | Urban Consumption GPCD            | Prison & Hospital Consumption GPCD | Total Consumption GPCD |
| 1997 | 10,137                              | 5,393                        | 15,530                  | 3,672.628                                     | 624.023                         | 4,296.651                 | 1,196.73                                      | 203.34                          | 1,400.07                  | 323.4                             | 103.3                              | 247.0                  |
| 1998 | 10,263                              | 5,393                        | 15,656                  | 3,232.241                                     | 626.848                         | 3,859.090                 | 1,053.23                                      | 204.26                          | 1,257.49                  | 281.2                             | 103.8                              | 220.1                  |
| 1999 | 10,396                              | 5,393                        | 15,789                  | 3,504.968                                     | 737.057                         | 4,242.025                 | 1,142.10                                      | 240.17                          | 1,382.27                  | 301.0                             | 122.0                              | 239.9                  |
| 2000 | 10,448                              | 5,350                        | 15,798                  | 4,039.598                                     | 816.173                         | 4,855.771                 | 1,316.31                                      | 265.95                          | 1,582.26                  | 345.2                             | 136.2                              | 274.4                  |
| 2001 | 10,470                              | 5,363                        | 15,833                  | 3,850.009                                     | 809.538                         | 4,659.547                 | 1,254.53                                      | 263.79                          | 1,518.32                  | 328.3                             | 134.8                              | 262.7                  |
| 2002 | 10,510                              | 5,320                        | 15,830                  | 3,779.156                                     | 868.521                         | 4,647.677                 | 1,231.44                                      | 283.01                          | 1,514.45                  | 321.0                             | 145.7                              | 262.1                  |
| 2003 | 10,563                              | 5,202                        | 15,765                  | 3,784.495                                     | 903.179                         | 4,687.674                 | 1,233.18                                      | 294.30                          | 1,527.49                  | 319.9                             | 155.0                              | 265.5                  |
| 2004 | 10,722                              | 5,613                        | 16,335                  | 3,922.258                                     | 1,057.395                       | 4,979.654                 | 1,278.07                                      | 344.55                          | 1,622.63                  | 326.6                             | 168.2                              | 272.1                  |
| 2005 | 10,797                              | 5,769                        | 16,566                  | 3,799.347                                     | 959.322                         | 4,758.669                 | 1,238.02                                      | 312.60                          | 1,550.62                  | 314.1                             | 148.5                              | 256.4                  |
| 2006 | 10,996                              | 5,666                        | 16,662                  | 3,834.866                                     | 1,574.758                       | 5,409.624                 | 1,249.60                                      | 513.14                          | 1,762.73                  | 311.3                             | 248.1                              | 289.8                  |
| 2007 | 11,031                              | 6,299                        | 17,330                  | 4,232.916                                     | 1,494.686                       | 5,727.602                 | 1,379.30                                      | 487.05                          | 1,866.35                  | 342.6                             | 211.8                              | 295.1                  |
| 2008 | 11,587                              | 6,723                        | 18,310                  | 3,739.566                                     | 975.106                         | 4,714.672                 | 1,218.54                                      | 317.74                          | 1,536.28                  | 288.1                             | 129.5                              | 229.9                  |
| 2009 | 11,699                              | 6,596                        | 18,295                  | 3,435.245                                     | 974.448                         | 4,409.693                 | 1,119.38                                      | 317.53                          | 1,436.91                  | 262.1                             | 131.9                              | 215.2                  |
| 2010 | 11,752                              | 6,335                        | 18,087                  | 3,428.463                                     | 999.225                         | 4,427.688                 | 1,117.17                                      | 325.60                          | 1,442.77                  | 260.4                             | 140.8                              | 218.5                  |
| 2011 | 11,764                              | 6,229                        | 17,993                  | 3,476.277                                     | 1,020.651                       | 4,496.928                 | 1,132.75                                      | 332.58                          | 1,465.33                  | 263.8                             | 146.3                              | 223.1                  |
| 2012 | 11,830                              | 4,968                        | 16,798                  | 3,705.394                                     | 1,041.276                       | 4,746.670                 | 1,207.41                                      | 339.30                          | 1,546.71                  | 279.6                             | 187.1                              | 252.3                  |
| 2013 | 11,864                              | 4,869                        | 16,733                  | 3,945.899                                     | 1,034.755                       | 4,980.654                 | 1,285.78                                      | 337.18                          | 1,622.95                  | 296.9                             | 189.7                              | 265.7                  |
| 2014 | 11,886                              | 4,538                        | 16,424                  | 3,297.119                                     | 811.596                         | 4,108.714                 | 1,074.37                                      | 264.46                          | 1,338.83                  | 247.6                             | 159.7                              | 223.3                  |

1. Population data is taken from the California Department of Finance records DOF E-8 for years 1997 through 2009 and DOF E-5 for years 2010 through 2014.
2. Water use reflects the City of Coalinga meter records.

















# Population

Input cells:   
Calculated cells: 

Enter population data for the service area.

| YEAR | POPULATION |
|------|------------|
| 2012 | 11,830     |
| 2011 | 11,764     |
| 2010 | 11,752     |
| 2009 | 11,699     |
| 2008 | 11,587     |
| 2007 | 11,031     |
| 2006 | 10,996     |
| 2005 | 10,797     |
| 2004 | 10,722     |
| 2003 | 10,563     |
| 2002 | 10,510     |
| 2001 | 10,470     |
| 2000 | 10,448     |
| 1999 | 10,396     |
| 1998 | 10,263     |
| 1997 | 10,137     |
| 1996 |            |
| 1995 |            |
| 1994 |            |
| 1993 |            |
| 1992 |            |
| 1991 |            |
| 1990 |            |

**Please note:**  
The GPCD calculation is very sensitive to errors in population. Please review the guidance document *Methodologies for Calculating Baseline and Compliance Urban Per Capita Water Use* for additional information and direction in order to acquire the most accurate population estimates.

Population data are only required for years that contain water use data.  
If you see "<--Enter Population" this indicates you have entered water use data for this timeframe but not population. Please add population data to enable a calculation of GPCD and associated targets.

 10,708 Average population, for the baseline period selected, in the GPCD Matrix worksheet



# GPCD Matrix

| Year | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL GPCD |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| 2012 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6       |
| 2011 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8 | 263.8       |
| 2010 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4 | 260.4       |
| 2009 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1 | 262.1       |
| 2008 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1 | 288.1       |
| 2007 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6 | 342.6       |
| 2006 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3 | 311.3       |
| 2005 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1 | 314.1       |
| 2004 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6 | 326.6       |
| 2003 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9 | 319.9       |
| 2002 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0 | 321.0       |
| 2001 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3 | 328.3       |
| 2000 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2 | 345.2       |
| 1999 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0 | 301.0       |
| 1998 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2 | 281.2       |
| 1997 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4 | 323.4       |
| 1996 |       |       |       |       |       |       |       |       |       |       |       |       |             |
| 1995 |       |       |       |       |       |       |       |       |       |       |       |       |             |
| 1994 |       |       |       |       |       |       |       |       |       |       |       |       |             |
| 1993 |       |       |       |       |       |       |       |       |       |       |       |       |             |
| 1992 |       |       |       |       |       |       |       |       |       |       |       |       |             |
| 1991 |       |       |       |       |       |       |       |       |       |       |       |       |             |
| 1990 |       |       |       |       |       |       |       |       |       |       |       |       |             |

| Ending In... | Baseline 10-years                | Baseline 11-years     | Baseline 12-years     | Baseline 13-years     | Baseline 14-years     | Baseline 15-years     |
|--------------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|              | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 2010         | <input type="radio"/>            | 307.4                 |                       |                       |                       |                       |
| 2009         | <input type="radio"/>            | 315.9                 |                       |                       |                       |                       |
| 2008         | <input type="radio"/>            | 319.8                 |                       |                       |                       |                       |
| 2007         | <input type="radio"/>            | 319.1                 |                       |                       |                       |                       |
| 2006         | <input checked="" type="radio"/> | 317.2                 |                       |                       |                       |                       |
| 2005         | <input type="radio"/>            | 317.8                 |                       |                       |                       |                       |
| 2004         | <input type="radio"/>            | 318.3                 |                       |                       |                       |                       |

| Ending in... | Baseline 5-years                 |
|--------------|----------------------------------|
|              | <input type="radio"/>            |
| 2010         | <input type="radio"/>            |
| 2009         | <input type="radio"/>            |
| 2008         | <input type="radio"/>            |
| 2007         | <input checked="" type="radio"/> |

Base daily per capita water use (10-15yr baseline) **317.2**  
 Base daily per capita water use (5yr baseline) **322.9**

User selection buttons:  
 Use the buttons to indicate the



**Recycled water accounts for 0 % of 2008 deliveries, therefore select a a 10 year baseline period using the selection buttons below**



Commercial, Industrial & Institutional (CII) Water Use (Method 2 only)

If you wish to exclude process water from the calculation of the baseline CII GPCD, enter process water volumes in the [Main Data](#) sheet

Input cells:   **Data Entry in Acre-feet**  
 Calculated cells:   **unless otherwise noted**

\* = Sum of Monthly data and Annual Total are not equal; monthly data will be used

| Year | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL TOTAL (INPUT) | METER ADJUSTMENT (%) | CALCULATED TOTAL | POPULATION SERVED BY CII | ANNUAL CII GPCD |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|----------------------|------------------|--------------------------|-----------------|
| 2012 |     |     |     |     |     |     |     |     |     |     |     |     | 3,705.394            |                      | 3,705.394        | 11,830                   | 279.62          |
| 2011 |     |     |     |     |     |     |     |     |     |     |     |     | 3,476.277            |                      | 3,476.277        | 11,764                   | 263.81          |
| 2010 |     |     |     |     |     |     |     |     |     |     |     |     | 3,428.463            |                      | 3,428.463        | 11,752                   | 261.62          |
| 2009 |     |     |     |     |     |     |     |     |     |     |     |     | 3,435.245            |                      | 3,435.245        | 11,699                   | 262.14          |
| 2008 |     |     |     |     |     |     |     |     |     |     |     |     | 3,739.566            |                      | 3,739.566        | 11,587                   | 288.12          |
| 2007 |     |     |     |     |     |     |     |     |     |     |     |     | 4,232.916            |                      | 4,232.916        | 11,031                   | 342.57          |
| 2006 |     |     |     |     |     |     |     |     |     |     |     |     | 3,834.866            |                      | 3,834.866        | 10,996                   | 311.34          |
| 2005 |     |     |     |     |     |     |     |     |     |     |     |     | 3,799.347            |                      | 3,799.347        | 10,797                   | 314.15          |
| 2004 |     |     |     |     |     |     |     |     |     |     |     |     | 3,922.258            |                      | 3,922.258        | 10,722                   | 326.58          |
| 2003 |     |     |     |     |     |     |     |     |     |     |     |     | 3,784.495            |                      | 3,784.495        | 10,563                   | 319.85          |
| 2002 |     |     |     |     |     |     |     |     |     |     |     |     | 3,779.156            |                      | 3,779.156        | 10,510                   | 321.01          |
| 2001 |     |     |     |     |     |     |     |     |     |     |     |     | 3,850.009            |                      | 3,850.009        | 10,470                   | 328.28          |
| 2000 |     |     |     |     |     |     |     |     |     |     |     |     | 4,039.598            |                      | 4,039.598        | 10,448                   | 345.17          |
| 1999 |     |     |     |     |     |     |     |     |     |     |     |     | 3,504.968            |                      | 3,504.968        | 10,396                   | 300.98          |
| 1998 |     |     |     |     |     |     |     |     |     |     |     |     | 3,232.241            |                      | 3,232.241        | 10,263                   | 281.16          |
| 1997 |     |     |     |     |     |     |     |     |     |     |     |     | 3,672.628            |                      | 3,672.628        | 10,137                   | 323.44          |
| 1996 |     |     |     |     |     |     |     |     |     |     |     |     |                      |                      |                  |                          |                 |
| 1995 |     |     |     |     |     |     |     |     |     |     |     |     |                      |                      |                  |                          |                 |
| 1994 |     |     |     |     |     |     |     |     |     |     |     |     |                      |                      |                  |                          |                 |
| 1993 |     |     |     |     |     |     |     |     |     |     |     |     |                      |                      |                  |                          |                 |
| 1992 |     |     |     |     |     |     |     |     |     |     |     |     |                      |                      |                  |                          |                 |
| 1991 |     |     |     |     |     |     |     |     |     |     |     |     |                      |                      |                  |                          |                 |
| 1990 |     |     |     |     |     |     |     |     |     |     |     |     |                      |                      |                  |                          |                 |

Recycled water accounts for 0 % of 2008 deliveries, therefore select a 10 year baseline period using the selection buttons below

| Ending in... | Baseline 10- years | Baseline 11- years | Baseline 12- years | Baseline 13- years | Baseline 14- years | Baseline 15- years |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 2010         | 307.6              |                    |                    |                    |                    |                    |
| 2009         | 315.9              |                    |                    |                    |                    |                    |
| 2008         | 319.8              |                    |                    |                    |                    |                    |
| 2007         | 319.1              |                    |                    |                    |                    |                    |
| 2006         | 317.2              |                    |                    |                    |                    |                    |
| 2005         | 317.8              |                    |                    |                    |                    |                    |
| 2004         | 318.3              |                    |                    |                    |                    |                    |

Min Value Max Value

CII Baseline start and end date is determined by the selection made in the GPCD Matrix worksheet. The red outlined cell in the table to the left indicates the choice of baseline and the corresponding CII GPCD value.

Baseline CII water use (CII GPCD): 317.2

**Adjustments for Residential Uses in CII Connections**  
 Some CII connections also may serve group quarters or other residential uses. Examples could include campus dormitories, military base housing, and apartments that are served by a CII connection. Water use target Method 2 already provides an indoor use allowance of 55 GPCD for such residents. To ensure that this indoor use is not double-counted, enter the population served by CII connections during the baseline period and whose residents use is included in the water supplier's unadjusted Baseline CII Water Use.  
**NOTE: This value is a subset of the Population value entered on the Population worksheet**



## TARGETS / COMPLIANCE (CUWCC MOU)

Baseline / Initial GPCD  
(Use option buttons to select)

GPCD in 2006  311.3  
 Baseline GPCD (1997 to 2006)  317.2

GPCD in 2012 279.6  
 GPCD Target for 2018 260.1

Potable Water GPCD for each Year in the  
Baseline Period

| Year | GPCD  |
|------|-------|
| 2006 | 311.3 |
| 2005 | 314.1 |
| 2004 | 326.6 |
| 2003 | 319.9 |
| 2002 | 321.0 |
| 2001 | 328.3 |
| 2000 | 345.2 |
| 1999 | 301.0 |
| 1998 | 281.2 |
| 1997 | 323.4 |

Biennial GPCD Compliance Table

| Year | Report | Target |       | Highest Acceptable Bound |       |
|------|--------|--------|-------|--------------------------|-------|
|      |        | % Base | GPCD  | % Base                   | GPCD  |
| 2010 | 1      | 96.4%  | 305.8 | 100%                     | 317.2 |
| 2012 | 2      | 92.8%  | 294.4 | 96.4%                    | 305.8 |
| 2014 | 2      | 89.2%  | 282.9 | 92.8%                    | 294.4 |
| 2016 | 4      | 85.6%  | 271.5 | 89.2%                    | 282.9 |
| 2018 | 5      | 82.0%  | 260.1 | 82.0%                    | 260.1 |

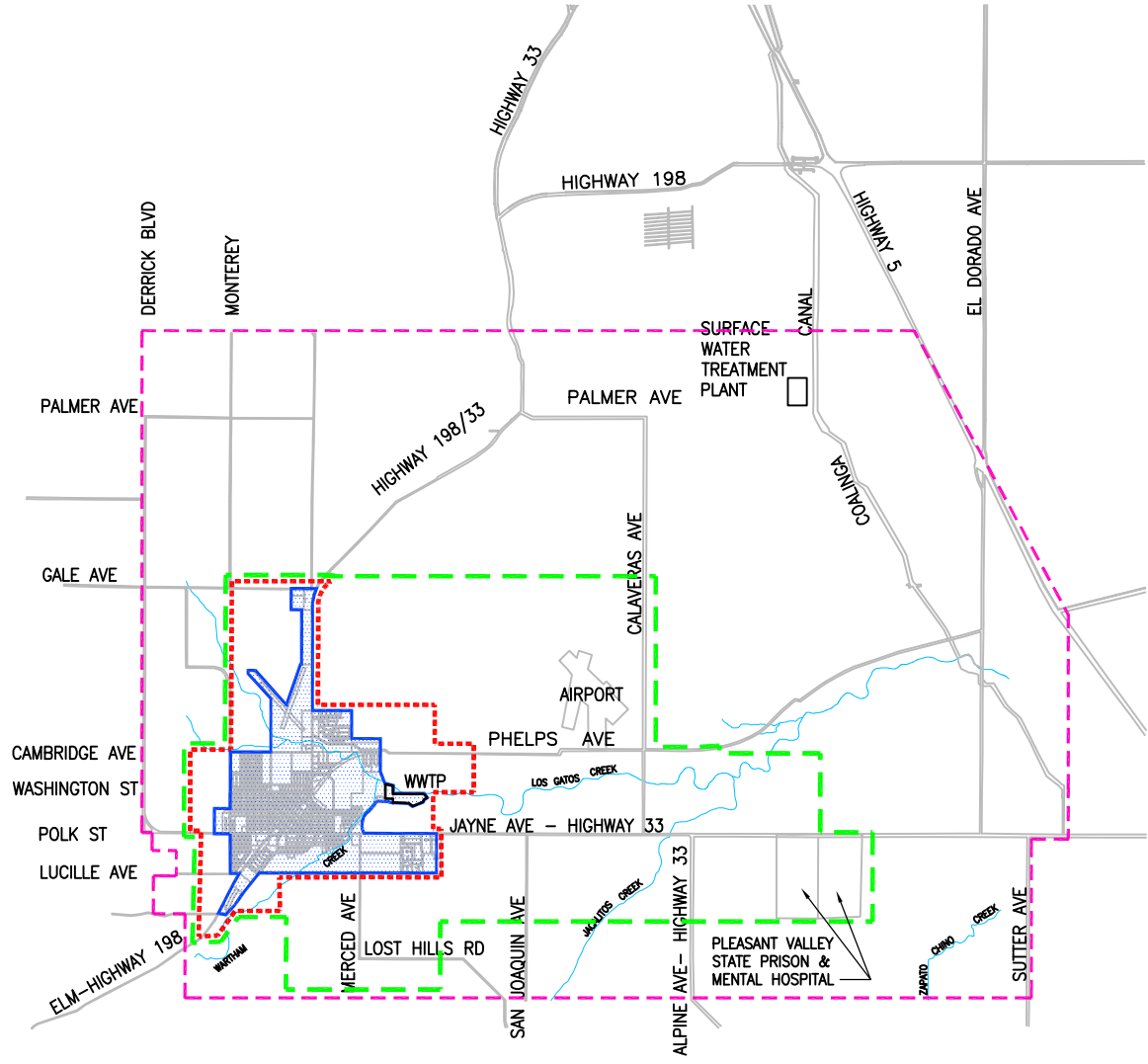
Monthly GPCD Data for Weather Normalization

| Year          | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2012          | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 | 279.6 |
| Baseline avg* | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 | 317.2 |

\* The average for each month is based on the baseline period 1997 to 2006

**Attachment A**  
**City Maps**

DWG: V:\C2350101\CAD\PLANS\SET\F163-4.dwg  
 USER: drodriguez  
 DATE: May 12, 2005 2:57pm  
 XREFS: C-TOPO IMAGES:



- LEGEND**
- 2003 CITY LIMITS
  - - - SPHERE OF INFLUENCE
  - - - EXISTING AREA OF INTEREST
  - - - 2020 AREA OF INTEREST

SCALE: 1"=8000'

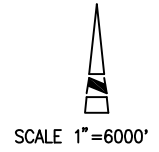
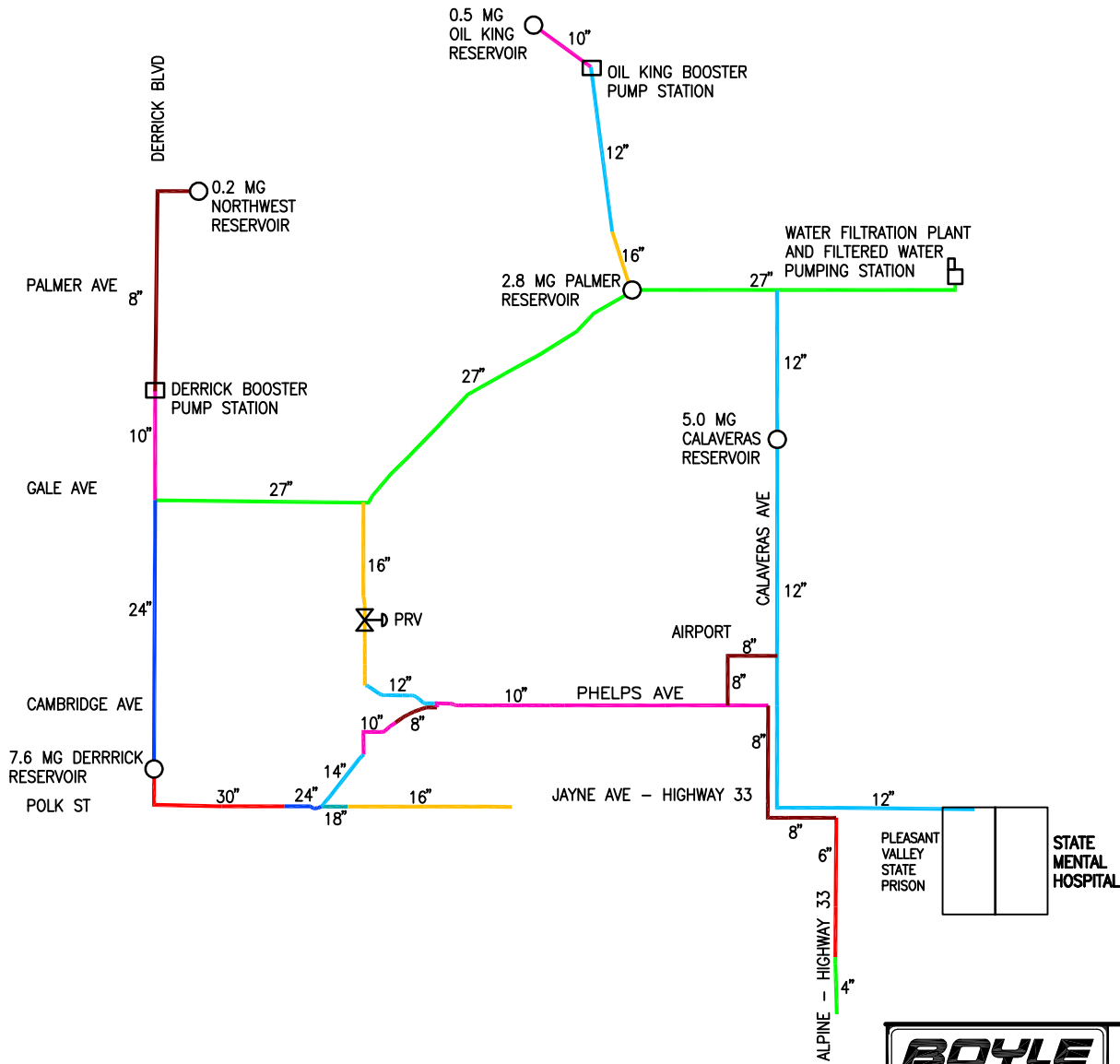
**BOYLE**  
 ENGINEERING CORPORATION  
 1380 E. Spruce Avenue Suite 101  
 Fresno, California 93720 559-448-8222  
 WWW.BOYLEENGINEERING.COM

CITY OF COALINGA  
 WATER SYSTEM MASTER PLAN  
 WATER SYSTEM PLANNING AREA

BEC  
 PROJECT NO.  
 FR-C23-501-01

FIGURE  
 3-4

DWG: V:\C2350101\CAD\PLANS\SET\FIG2-1.dwg  
 USER: drodriguez  
 DATE: May 12, 2005 2:56pm  
 IMAGES: XREFS:



**BOYLE**  
 ENGINEERING CORPORATION  
 1380 E. Spruce Avenue Suite 101  
 Fresno, California 93720 559-448-8222  
 WWW.BOYLEENGINEERING.COM

CITY OF COALINGA  
 EXISTING TRANSMISSION SYSTEM

BEC PROJECT NO.  
 FR-C23-501-01

FIGURE  
 2-1

**Attachment B**  
**City Rules and Regulations**

Coalinga, California, Code of Ordinances >> - SUPPLEMENT HISTORY TABLE >> TITLE 6. -  
SANITATION AND HEALTH >> CHAPTER 4. WATER SERVICES >>

---

**CHAPTER 4. WATER SERVICES**

---

- [Sec. 6-4.01. General definitions.](#)
- [Sec. 6-4.02. Provisions of chapter deemed incorporated into water service agreements.](#)
- [Sec. 6-4.03. Authority to establish administrative procedures.](#)
- [Sec. 6-4.04. City is sole source of water service.](#)
- [Sec. 6-4.05. Public Works Department and Utilities Department to provide water service.](#)
- [Sec. 6-4.06. Public Works Director and Utilities Director duties.](#)
- [Sec. 6-4.07. Duty to treat water.](#)
- [Sec. 6-4.08. Duty to maintain water system.](#)
- [Sec. 6-4.09. Compliance with Building Code.](#)
- [Sec. 6-4.10. Connection authorized.](#)
- [Sec. 6-4.11. New meter sets.](#)
- [Sec. 6-4.12. Extension of water system.](#)
- [Sec. 6-4.13. Replacement of existing service line.](#)
- [Sec. 6-4.14. Installation and maintenance of meters and property stops.](#)
- [Sec. 6-4.15. Permit for service line repair, alteration or connection.](#)
- [Sec. 6-4.16. Unauthorized water connection or restoration of service.](#)
- [Sec. 6-4.17. Tampering with meters.](#)
- [Sec. 6-4.18. Misrepresentation in application or service agreement.](#)
- [Sec. 6-4.19. Discontinuance of service by water service user.](#)
- [Sec. 6-4.20. Water fee resolution.](#)
- [Sec. 6-4.21. Application of payments.](#)
- [Sec. 6-4.22. Payment delinquency.](#)
- [Sec. 6-4.23. Shut-off notice.](#)
- [Sec. 6-4.24. Water service shut off.](#)
- [Sec. 6-4.25. Unauthorized water service: Theft of services.](#)
- [Sec. 6-4.26. Appeals.](#)
- [Sec. 6-4.27. Legal action.](#)
- [Sec. 6-4.28. Responsibility for water leakage.](#)
- [Sec. 6-4.29. Water meters.](#)
- [Sec. 6-4.30. Authority to shut off.](#)
- [Sec. 6-4.31. Repair and replacement of house lines.](#)
- [Sec. 6-4.32. Public Works Director to have free access.](#)
- [Sec. 6-4.33. Abandonment of service lines and house lines.](#)
- [Sec. 6-4.34. Outdoor watering sprinklers.](#)
- [Sec. 6-4.35. Water use curtailment.](#)
- [Sec. 6-4.36. Trespass and damage to water system.](#)
- [Sec. 6-4.37. Water use by contractors.](#)
- [Sec. 6-4.38. Maintenance and control of fire hydrants.](#)
- [Sec. 6-4.39. Drawing of water from fire hydrant.](#)
- [Sec. 6-4.40. Use of water service during fire.](#)
- [Sec. 6-4.41. Fire sprinkler system inspections.](#)
- [Sec. 6-4.42. Private fire service main and fire service storage tanks.](#)

[Sec. 6-4.43. Repeal.](#)

[Sec. 6-4.44. Severability.](#)

### **Sec. 6-4.01. General definitions.**

The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

- (a) "Base rate or fixed component" means the minimum fixed charge per billing period for water service to a user as set by the City Council by resolution.
- (b) "Billing period" means the calendar accounting unit for which charges are assessed and imposed for water service.
- (c) "City" means the City of Coalinga.
- (d) "City Council" means the City Council of the City of Coalinga.
- (e) "Connection" refers to the act of linking the service pipe of a house, building, or other property to the City water system, and also to the physical apparatus by which such linking is accomplished.
- (f) "Construction meter" means a temporary meter attached to a fire hydrant at a construction site to measure water usage at the site.
- (g) "Developer" means a person, natural or otherwise, who divides a tract of land into lots for sale as residential property or who makes improvements to residential, commercial, office or industrial properties.
- (h) "House line" means that portion of the water service pipe from the discharge side of the meter to the structure serviced.
- (i) "Meter tampering" means cutting water meter locks or alteration or damage of any water meter or any of its components or unauthorized connections to the City water system or the use of straight lines, cheater pipes or bypass hoses or any other means to take water by bypassing the City water meter or prevent water from being properly metered by the City.
- (j) "Person" means any person, firm, association of persons or corporation, including public, private or municipal corporation.
- (k) "Private fire hydrant" means a discharge pipe with a valve and spout located on private property at which water may be drawn.
- (l) "Private fire service main" means a pipe and its appurtenances on private property that is: (1) between a source of water and the base of the riser for water-based fire protection systems; or (2) between a source of water and inlets to fire foam making systems; or (3) between a source of water and base elbow of private fire hydrants or monitor nozzles; or (4) uses a fire pump suction and discharge piping; or (5) beginning at the inlet side of the check valve on a gravity or pressure tank.
- (m) "Public fire hydrant" means a discharge pipe with a valve and spout located on public property for use primarily by fire service personnel at which water may be drawn from the water main.
- (n) "Roving meter" means a meter attached to a movable vehicle to measure water drawn from a fire hydrant into a tank attached to the vehicle.
- (o) "Service line" means that portion of water service pipe from the main line up to and including the discharge side of the water meter.
- (p)

"Straight line or cheater pipe" means any type of device installed in lieu of a water meter, connecting the City's water service line to a private service line for the purpose of obtaining unmetered water.

- (q) "Subdivision" is a tract of land divided by a subdivider, or any lot or lots or tract of real property on which any building is or will be built.
- (r) "Usage charge or variable component" means the charge per one thousand (1,000) gallons of water used by a water user established by the City Council by resolution.
- (s) "User" means a person, natural or otherwise, who utilizes the water system of the City for any purpose.
- (t) "Water main" means the water pipe owned by the City from which water service lines lead.
- (u) "Water meter" means the instrument which measures and records the amount of water which flows through it.
- (v) "Water service" means the provision of culinary water such that water flows through a plumbing system connected to the City water system.
- (w) "Water system" includes pipes, water mains, meters, valves, reservoirs, tanks, wells, springs, hydrants, sources, pumps and all other property and equipment owned by the City of Coalinga and through or from which water flows.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.02. Provisions of chapter deemed incorporated into water service agreements.**

All provisions of this chapter shall be deemed to be incorporated into every service agreement between the City and its water service customer. Each customer shall be charged with knowledge of the provisions of this chapter and, by applying for and accepting water service from the City, to have assented to the provisions of this chapter.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.03. Authority to establish administrative procedures.**

The City Manager, or his designee, shall have the authority to draft administrative procedures necessary to effectively implement the provisions of this chapter.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.04. City is sole source of water service.**

The City of Coalinga shall be the only allowed source of municipal, industrial and domestic water supply within the incorporated boundaries of the City, and the only source of domestic water supply outside the incorporated boundary of the City, with the exception of bottled water purchased for consumption from licensed vendors or retail stores.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.05. Public Works Department and Utilities Department to provide water service.**

The Public Works Department and the Utilities Director shall have authority to operate and maintain the City water system and furnish water service to the residents of the City for fees set by the City Council by resolution. To accomplish these purposes, the Public Works Department and Utilities Department are empowered to employ persons, purchase real property, acquire equipment and perform all other acts necessary or incidental to the accomplishing of the above described purposes, subject to all applicable ordinances, resolutions, rules, regulations, policies and directions of the City Manager and the City Council.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.06. Public Works Director and Utilities Director duties.**

The Public Works Director and the Utilities Director shall administer and enforce this chapter under the direction of the City Manager and manage the City's water system pursuant to the provisions of this chapter and pursuant to the resolutions, rules, regulations and directives issued by the City Manager or adopted by the City Council prescribing their powers and duties.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.07. Duty to treat water.**

The Utilities Department shall treat or cause to be treated the water furnished to the water users hereunder using current water treatment methods such that the water shall conform to ordinary and contemporary standards of purity and fitness for culinary use.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.08. Duty to maintain water system.**

The Public Works Director and the Utilities Director shall keep the water system in good repair. Any leaks, breaks, or equipment failures shall be promptly repaired.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.09. Compliance with Building Code.**

All new buildings or structures located within or outside the corporate City limits, and any additions, modifications, alterations or repairs of existing buildings that use the water facilities of the City shall comply with the requirements of the Coalinga Building Code as amended, including securing all permits and inspections required by such Code.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.10. Connection authorized.**

The Public Works Director shall cause to be connected with the City's water system the service line of any property abutting on a City water main after the property owner or his or her agent complies with all of the following provisions of this section:

- (a) *Water service agreement.* The property owner other than a developer, fills out, signs and files with the City Finance Department a water service agreement approved by the City Manager and the City Attorney.

- (b) *Service line.* The property owner or his agents shall install a service line to the property location designated by the City Public Works Department which meets the following requirements:
- (1) The service line is of material and quality approved by the Public Works Department.
  - (2) The service line, when used, be buried at a location, depth and grade approved by the Public Works Department.
  - (3) The service line does not cross property owned by a person other than the property owner who applied for the connection, unless written permission is obtained from the Public Works Department.
  - (4) The service line, when connected, will supply water to no more than one (1) building, except that where written permission is obtained from the Public Works Department. Connection of such a service line may be added, if the property owner applying for the connection is the owner of all buildings located to such service line. For the purposes of payment of fees under these ordinances, however, each building which shall receive water service through a common service line shall be deemed to receive said water service through a separate service line for the payment of charges set forth in subsection (f) of this section.
- (c) *Illegal use of water pressure.* The water provided through the connection will not be used for the purpose of driving any motor, siphon, turbine, or other wheel, or any hydraulic engine, or elevator, or for driving or propelling machinery of any kind whatsoever, or for any other purpose which the Public Works Director, City Manager or City Council have not approved in writing.
- (d) *Inspection.* The service line of the building to be connected has been inspected by an officer of the City Public Works Department and found to conform to this chapter and to the provisions of the Coalinga Building Code. The service line and all other underground water lines or connections shall be open and visible to the inspector at the time of the inspection.
- (e) *Charges current.* The user requesting connection has no unpaid delinquent water charge assessed against him by the City for any location within the City's utility services boundary.
- (f) *Fees due at connection.* The user shall pay at the time he files his application for connection all of the following applicable fees:
- (1) The connection charge specified by the City Council by resolution.
  - (2) Water impact fees adopted by the City Council by resolution.
  - (3) Any other fees adopted by the City Council by resolution or included in any development agreement approved by the City Manager or City Council.

(§ 1, Ord. 657, eff. October 20, 2001)

### **Sec. 6-4.11. New meter sets.**

The Public Works Director shall have the authority to establish rules, regulations, and specifications regarding new meter sets and meter vaults. Meters may be purchased from the Public Works Department. Installation of new meters and construction of meter vaults shall be at the expense of the contractor or customer. Approval by the Public Works Department shall be required before the water meter set is constructed and service begins.

(§ 1, Ord. 657, eff. October 20, 2001)

### Sec. 6-4.12. Extension of water system.

In addition to the immediately preceding section, the following provisions shall apply to anyone seeking to connect to the City water system where said system does not extend to such property:

- (a) *Agreement.* Whenever a developer desires or is required to install water connections and extensions for a subdivision or other development, the developer shall enter into a written extension agreement with the City which shall constitute an application for permission to make said extensions and connections that shall be made and the payments that shall be required.
- (b) *Dedication.* Any extension of the City water system granted in accordance with the provisions of the immediately preceding paragraph including all easements necessary to accommodate its installation and maintenance, shall upon completion and acceptance become the property of the City.
- (c) *Policy providing for the provision of water service outside the City limits.* Commencing August 3, 2006, the City Council does hereby establish a policy permitting the provision of water service for domestic and industrial purposes outside the City limits of the City of Coalinga. This amendment to the Municipal Code is intended to and does supersede the existing rules, regulations and policies of the City of Coalinga regarding the extension of domestic and industrial water service beyond the City limits.
  - (1) Nothing contained in this chapter shall affect either the validity or the terms of any existing written water service contract. City of Coalinga Rural Water Assessment District No. 1 water users with no contracts, continue to be governed by the Rural Water Assessment District Water Policy.
  - (2) Nothing in this chapter or elsewhere in the Municipal Code shall prevent the City Manager from providing water services to persons or properties outside the City limits in cases of emergency. Provided however the City Manager shall, at the next regular City Council meeting following any such action, bring the matter to the attention of the City Council for its consideration and action.
- (d) Service provided outside the City limits shall be limited to those properties determined by the City to be of value to the City in accomplishing certain City and State goals and objectives, including but not limited to housing for persons and families of all income levels; diversity of housing types; support for community institutions and values; economic development; jobs/housing balance; intergovernmental relations and tax sharing, and/or other matters of concern and importance to the City.
  - (1) Persons desiring out of City water service shall comply submit a development plan for the property in order for the City to determine if the property complies with the following requirements:
    - (i) Pay in advance the whole expense of planning and extending the water system to his or her property;
    - (ii) Enter into a City of Coalinga water service contract or agreement, the terms and conditions of which shall be subject to the sole discretion and approval of the City Council;
    - (iii)

- Enter into an annexation agreement(s) which shall be subject to the approval of the City Council and the Local Agency Formation Commission; and
- (iv) Any other requirements that may from time to time be established by the City.
- (2) If, at the time of the initial request for annexation is submitted, the area within which the property is located, is not contiguous to the City limits, or otherwise not legally available for annexation, the property owner shall enter into an agreement with the City that the written request for annexation shall not be withdrawn and shall remain in full force and effect until the property becomes legally available for annexation and is in fact annexed to the City. In the event the annexation request is withdrawn prior to the property being annexed, the City may in its sole discretion discontinue water service to the property.
- (3) Neither the water service contract, or any other contract or agreement regarding out of City water service, shall create any vested right to water to be provided or that actually is provided; nor any interest(s) that runs with the land or any other vested interests or rights for any person(s) other than, the property owner entering into the agreement and receiving water in accordance with the terms of the agreement.
- (4) Water users outside the City shall abide the terms and conditions of this chapter, and use of City water shall constitute acceptance of the terms and conditions of any and all terms of the agreement entered into with the City as well as acceptance and agreement by the water user to abide by all applicable City ordinances, policies, rules and regulations governing the provision of water services by the City. In addition, all water service contracts shall be subject to the following provisions:
- (i) A covenant that such water service is intended to serve only the domestic or industrial purpose specified in the water service contract. In the event the City, in its sole discretion, determines that the water is being used for other than the purpose specified by the water service contract, it may at any time discontinue providing water service to the property without liability to the City.
  - (ii) Water users shall file with the City copies of any permits required by the County of Fresno regarding the use of the subject property.
  - (iii) Water users shall follow and abide by all rules and/or regulations of any kind adopted by the City Council, which may from time to time be modified by subsequent City Council action, that apply to water users, unless out of City water users are specifically exempt from the application of such rule or regulation by the terms thereof.
  - (iv) Any water furnished to a property under the terms of any water service contract shall not be transported off the subject property, nor shall the water user resell the water so furnished, nor allow its use by any other person.
  - (v) Water users shall execute water line easements to the City or the City's nominee, at no cost to the City, for the purpose of the extensions of water service by the City through and past the property owned by the water user.
  - (vi)

Water users shall agree that, as a condition of water service, the water user understands and consents to any disruption of water service on behalf of the City. It is clearly understood between the parties that the City has no obligation to supply water to the subject property, either by law or otherwise except by the express terms of any water service agreement.

- (vii) In obtaining water from the City, the water user does recognize and agrees that the City is in no way responsible for the effects of the close proximity of the water users property to the oil fields, agricultural uses, and feed yard, all of which are recognized by the water user to materially affect the environment of the water users property. The water user shall, as a condition of receiving water service, to save and hold harmless the City and all of its elected and non-elected officers and employees from any and all liability by reason of supplying water under any water service contract or agreement.
- (5) In addition to the water requirements set forth in this section, any contract or agreement shall contain a certified acknowledgement that the applicant understands that the City in granting the application for water service need only supply such water to the applicant which from time to time may be determined to be beyond the requirements of water use within the City limits and the provision of water service may be curtailed or terminated by the City at any time. If the City Council grants the application, the City and the applicant shall enter into a written water service agreement, which agreement shall be executed prior to the commencement of any work upon said water extension.
- (6) Existing property owners outside the City limits that do not have signed water service agreements, other contractual arrangement, or participate in a City assessment district may have water service curtailed or be disconnected from the City water system at the discretion of City upon a finding by the City Council that requirements of providing water to users within the City limits will be impaired by the continued service.
- (7) If any property outside the City limits, with or without a water service agreement, is acquired by a new owner, in order to continue water service the new owner shall, within ten (10) working days of acquiring the property, submit a written request for annexations of the area and property to the City and execute a water service contract and such other agreements as specified in this section. If no such request for annexation and application for water service are received within the time frame specified in this section, the property shall be disconnected from the City water service. Reconnection, if any, shall be at the sole discretion and under such terms as may be determined by the City.
- (8) Properties outside the City limits ceasing to use water from the City water system for a period of sixty (60) days shall be disconnected from the City water system. Reconnection, if any, shall be at the sole discretion and under terms as may be determined by the City.
- (9) Any agreement or contract required by this section must be approved by the City Council, unless otherwise directed by the City Council.

*(§ 1, Ord. 714, eff. September 3, 2006)*

### **Sec. 6-4.13. Replacement of existing service line.**

The replacement of a previously used service line shall be deemed a connection and the provisions of Sections [6-4.11](#) and [6-4.12](#) shall apply to said replacement.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.14. Installation and maintenance of meters and property stops.**

In connecting to a water main, the Public Works Department shall install or cause to be installed a service line of suitable quality under the street and a meter box, meter, and property stop at a location determined by the Public Works Department. Said connection pipe, meter box, meter and property stop are and shall be the property of the City, which retains the sole right to maintain, repair and service said facilities.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.15. Permit for service line repair, alteration or connection.**

It shall be unlawful for any person, to open, alter, repair or connect to any existing water main or service line without it first having received a permit from the Public Works Department or other authorized City department. No permit authorizing such alternation, repair, connection or opening shall be issued if said alteration or connection results in water service to a building to which such service was not previously furnished, unless such building is owned by the owner of all other buildings connected to said service line. Any connection from an existing service line to a building to which water service was not furnished before the connection is made shall need to be a new, original service line connection and the property owner shall pay the fees set by resolution of the City Council before receiving the permit referred to above.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.16. Unauthorized water connection or restoration of service.**

- (a) *Prohibited.* It shall be unlawful for any person by himself directly or indirectly through family, servants or agents to connect to, disconnect, repair or alter the City water system or any part thereof, including but not limited to any water line or water meter, except as provided in this chapter, or, to open any fire hydrant, property stop, valve, or other fixtures attached to the system of water supply unless it is done pursuant to a City-approved application, agreement or resolution.
- (b) *Licensed utility contractor.* A licensed utility contractor approved by the City or a licensed utility contractor under contract with the City may tap a City water line or water main in accordance with the following:
  - (1) The utility contractor shall be responsible for any damage to the water main or water line where the tap is being made. All repairs to the water main or water line where damage has occurred shall be made by an authorized employee of the Public Works Department or authorized licensed utility contractor. The utility contractor shall be responsible for the cost of the tap to an existing water main or water line.
  - (2) The licensed utility contractor shall be responsible for any repairs to the tap or service line extension due to any defects of materials or workmanship for one year after the tap has been completed.
  - (3) The licensed utility contractor shall use all his or her professional skills to ensure that there is no contamination of city water mains. Any contamination of City water mains shall be reported immediately to the Public Works Department. Employees of the

department will take corrective measures and fees will be assessed to the person responsible for the damage for all repair work accomplished.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.17. Tampering with meters.**

- (a) *Inspection and adjustment.* Meters may be checked, inspected or adjusted at the discretion of the City, and they shall not be adjusted or tampered with in any manner or removed by the user or any other person.
- (b) *Opening boxes.* Meter boxes shall not be opened for the purpose of turning on or off the water except by an authorized representative of the City unless special permission is given by the Public Works Department, except in an emergency.
- (c) *Meter interference.* No person shall: (1) prevent water from passing through any meter connected directly or indirectly with the public water mains; (2) prevent any meter from accurately registering the amount of water passing through such meter; or (3) prevent or obstruct a meter from accurately registering the quantity of water supplied, or in any way interfere with the purpose, action or just registration of a meter.
- (d) *Responsibility to prevent.* A user shall prevent any damage to the water meter used by such user and shall pay the cost of repairing any damage to the water meter other than normal wear and tear. Any amounts due by reason of this section may be added to a user's bill for water service, and any amount received from such user thereafter shall be applied first against the amount due pursuant to this subsection and thereafter to any other amount(s) due from such user for other purposes.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.18. Misrepresentation in application or service agreement.**

It shall be unlawful to misrepresent a material fact in applying for a water connection or in a water service agreement. Material facts shall include the identity of the applicant as the owner of the property to be connected, and the purpose for which the water service provided will be used.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.19. Discontinuance of service by water service user.**

Any user desiring to discontinue water service shall notify the Finance Department. Any credit balance in favor of the user, as a result of a deposit or advance payment, shall be refunded promptly after receipt of the notice of discontinuance, except that an amount to be set by the City Council by resolution shall be retained by the Finance Department as a fee for turning off water service.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.20. Water fee resolution.**

- (a) *Water fees.* The City Council shall by resolution set the amount of the following:
  - (1) Base rate or fixed component service charges.
  - (2) Usage charge or variable component charges per one thousand (1,000) gallons used.
  - (3) Service charges other than the base rate.
  - (4) Late fees.

- (5) Return check fees.
  - (6) Development water impact fees.
  - (7) Water connection fees.
  - (8) Reconnection fees during regular business hours after water shut off.
  - (9) Reconnection fees after regular business hours after water shut off.
  - (10) Fire hydrant water use fees from construction or roving meters.
  - (11) Fee for water used by contractors in new construction.
  - (12) Meter tampering fee.
  - (13) Missed appointment fee after second missed appointment.
  - (14) Fee for unauthorized water connections and use of City water by the use of cheater pipes, straight lines, hoses or other means.
- (b) *Water billing duration.* The City Manager shall determine the duration of the billing period and may change the duration of the billing period from time to time.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.21. Application of payments.**

Any payments received by the City for the payment of utility bills shall be applied to the outstanding balances of services charges in the following order: (1) street light assessments; (2) garbage charges; (3) sewer charges; (4) natural gas charges; and (5) water charges.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.22. Payment delinquency.**

If payment is not received within the billing period in which the charge is made, the Finance Department may charge a late fee as determined by resolution of the City Council. A dishonored check shall not be considered payment received.

*(§ 1, Ord. 657, eff. October 20, 2001)*

#### **Sec. 6-4.23. Shut-off notice.**

If a service charge remains unpaid for one (1) complete billing period, the Finance Department shall notify in writing by mail the occupant of the premises that the water service will be discontinued if payment is not made within ten (10) calendar days after the date on the notice. A shut-off notice processing fee as determined by resolution of the City Council shall be charged at the time that the notice is sent.

*(§ 1, Ord. 657, eff. October 20, 2001, as amended by § 1, Ord. 689, eff. March 27, 2004)*

#### **Sec. 6-4.24 Water service shut off.**

In addition to the ten-day termination notice, a final twenty-four-hour termination notice shall be given to the property owner if a water service charge remains unpaid. No service shall be disconnected on a Friday or the day before a holiday. However, notwithstanding the foregoing provisions of this section, Finance Department authorized personnel under the direction of the City Manager may, at their discretion, agree to forbear discontinuance of water service for a limited period of time and by special, written agreement with the water user in arrears. Failure of the water recipient to keep future charges current and fulfill all the terms of the agreement may make the

agreement null and void and make all charges in arrears due immediately. Failure to pay immediately all charges in arrears will result in discontinuance of water service.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.25. Unauthorized water service: Theft of services.**

- (a) *Prohibited.* It shall be unlawful to provide oneself or others with (or make use of) water service from the City water system without authorization from the City. When water service has been discontinued by the Public Works Department for nonpayment of water charges, noncompliance with this chapter, or for any other reason, it shall be unlawful to restore water service or receive water service by any means without authorization by the City. The presence at any time on or about any meter, water line or water main of the City (whether such meter is owned or operated by the City or others) of a pipe or any other device which diverts water or results in taking of any water except through an authorized meter shall constitute prima facie evidence on the part of the person owning or having custody or control of the premises (where such a device or pipe is located) of the knowledge of the existence thereof. The knowledge of such existence by the person who would benefit by the failure of the water to be accurately metered shall further constitute prima facie evidence of intention on the part of such person to violate this section.
- (b) *Meter removal.* If water service has been discontinued by the Public Works Department due to nonpayment or for any other reason, and the customer turns the service back on or otherwise restores service without approval, the Public Works Department may remove the meter and plug the service.
- (c) *Unauthorized water use charges.* In addition to any criminal penalties, the City may assess charges and fees established by resolution for meter tampering, meter removal or unauthorized use of the City water service. Such charges may be collected as provided by this chapter.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.26. Appeals.**

The City Manager is hereby authorized to hear appeals regarding water service and make any corrections of any assessments or charges that he believes is just and appropriate under the circumstances.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.27. Legal action.**

The Finance Director, Public Works Director and City Manager are hereby authorized and empowered to enforce the payment of all delinquent water charges whether for water connection or for water service, by any action at law in the corporate name of the City if the amount paid in advance or in deposit, if any, by the defaulting water user is not sufficient to fully extinguish the liability of said user to the City for the water connection or water service.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.28. Responsibility for water leakage.**

All property owners, or their agents and tenants, shall be held responsible as consumers for loss of water due to leakage in the pipe or plumbing beyond the discharge side of the meter or on the property. If lost water is not paid in accordance with the provisions of this chapter and in accordance with rates established by resolution by the City Council, the water service may be discontinued until all amounts due are paid. Water service will not be restored until all leaks have been repaired to the satisfaction of the Public Works Department.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.29. Water meters.**

- (a) *Water metering required.* All water delivered by the City to its customers shall be metered through water meters owned by the City. However, the Public Works Department Director may authorize unmetered water use for temporary special purposes, and enter into agreements for the assessment of charges thereof.
- (b) *Submetering.* It shall be unlawful for any person to construct, occupy or allow to be occupied any structure in which the construction plan provides for a master meter and submetering of water consumption of one (1) or more owners or tenants, unless the plan has been approved by the Public Works Director.
- (c) *Meters to be approved by City.* The size, type and right to own and control all meters installed or used by consumers of its water shall be determined by the Public Works Department.
- (d) *Testing.* If a user submits a written request for a test of his water meter, the Public Works Director may, if the circumstances deems it advisable, order a test of the meter measuring the water delivered to such user. If such request to test the meter is made within twelve months after the date of the last previous test, the user will be required to pay the costs of such test if the meter is found in such test to record from ninety-seven (97) percent to one hundred three (103) percent of accuracy under testing methods satisfactory to the Public Works Director. In the event that the meter is found to be recording less than ninety-seven (97) percent or more than one hundred three (103) percent of accuracy, the City shall make such adjustments in the user's bill as are just and fair under the circumstances.
- (e) *Stopped meters.* If meters fail to register at any time, the water delivered during this period shall be estimated on the basis of previous consumption. If the user has no previous consumption then a reasonable estimate may be made by the Finance Department and Public Works Department based on historical information maintained by the City.
- (f) *Construction meters and roving meters.* Construction meters are to be installed or moved by the contractor under the supervision of City personnel. Roving meters are to be installed on equipment by the contractor. A deposit may be required for construction or roving meters owned by the City and will be forfeited if the meter is lost, damaged or stolen. Meter readings are to be reported by the user to the Public Works Department or Finance Department monthly. Failure to provide a monthly meter reading will cause the Public Works Department to estimate usage and bill accordingly. A minimum charge will be assessed if no usage is recorded on the meter.
- (g) *Loaned meters.* No person shall refuse to deliver any meter or other appliance loaned to him by the Public Works Department for the purpose of furnishing water through the meter and registering the quantity thereof.
- (h) *Plumbers.* Notwithstanding any other provision of this chapter, in the case of leaks or other accidents damaging service lines or other apparatus connected with the water system, plumbers or other qualified persons may shut off the water at the water box to make

necessary repairs and turn on the water upon completion of such repairs without obtaining authorization.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.30. Authority to shut off.**

The City reserves the right to temporarily discontinue and to reconnect water service without notice to all users for the purpose of making repairs, connections, extensions and cleaning of mains, machinery, storage reservoirs or any other appurtenances to the water supply and distribution system. All users having boilers, air conditioning equipment or other water-consuming devices which may become damaged due to interruption of water service, and which are supplied directly with City water, do so at their own risk. The City shall not be liable for any damage that may occur on account of the water being cut off for any purpose. The City further shall not be liable for any damage to plumbing, pipes or fixtures on premises caused by pressure from the City water system.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.31. Repair and replacement of house lines.**

It shall be the responsibility of the owner of the property to make all repairs and replacements of house lines from the discharge side of the water meter to the structure. A permit is required for the replacement of a house line.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.32. Public Works Director to have free access.**

Free access at ordinary hours shall be granted to the Public Works Director and his or her authorized representatives to any place supplied with water service from the municipal system for the purpose of examining the apparatus, the amounts of water used, manner of its use, and to make any and all necessary adjustments to said system.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.33. Abandonment of service lines and house lines.**

- (a) *Permanent abandonment.* All service lines and house lines which are permanently abandoned shall be securely capped or plugged at a location designated by the City Public Works Department.
- (b) *Temporary abandonment.* Water service lines which will be abandoned temporarily shall be cut and plugged at the property line leaving the meter installation and meter box intact.
- (c) *Inspection.* Any water service pipe temporarily abandoned for more than two (2) years must be inspected by the Public Works Department before that pipe can be placed into operation. If the service line or house line does not conform to minimum standards, the service pipe shall not be used and shall be abandoned permanently by the owner.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.34. Outdoor watering sprinklers.**

- (a)

*Water pressure.* It shall be unlawful for any person to use such number of outdoor water sprinkler outlets simultaneously or to use such sprinklers or combinations of sprinklers or outlets as will, in the opinion of the Public Works Director, materially affect the pressure or water supply of the City water system or any part thereof. The Public Works Director may specify by regulation combinations or number of sprinkler and outlets which may have such effect.

- (b) *Notice.* The Public Works Director shall, after determination that such improper sprinkler use exists, notify the offending water user, or the owner of the premises whereon such use occurs, of such determination in writing and order such use discontinued.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.35. Water use curtailment.**

In time of water scarcity, whenever it shall in the judgment of the City Council be necessary, by resolution, to limit the use of water, it shall be unlawful for any person by himself, family, servants or agents to violate any resolution made by the City Council pursuant to this section. If any violation shall occur, then in addition to any other penalty, the water service to the premises upon which such violation occurs may be shut off. If shut off for this reason, it shall not be turned on again until the payment of an amount set by the City Council for each violation of the said resolution is received.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.36. Trespass and damage to water system.**

- (a) *Prohibited.* It shall be unlawful for any person to destroy, deface, damage, injure, tamper or interfere with the operation of any part, pipe, fixture, appliance, appurtenance or property of the City water system, or shall place or cause to be placed, or induced into the City water system or any source of water supplying said system, any substance poisonous to human life or harmful to human health or detrimentally affecting the taste, smell, color, odor, or other aesthetic characteristic of the water.
- (b) *Trespassing upon water works.* It shall be unlawful to trespass inside the fenced enclosure of any City-owned water or Public Works Department facility or in any other manner to interfere with or prevent the operation of such systems and the water supply therefore, or any portion thereof.
- (c) *Restitution.* All damages or injury to the lines, meters or other materials of the City on or near a user's premises caused by any act or neglect of the user or his agents shall, in the discretion of the City, be repaired by or at the expense of the user. The user shall pay all costs and expenses, including reasonable attorney's fees, which may arise or accrue to the City through its efforts to repair or recover expenses for the repair of the damage to the lines, meters or other equipment of the City water system or Public Works or Utilities Departments.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.37. Water use by contractors.**

The Public Works Department may permit use of water from fire hydrants by contractors of public work, or by public utilities that are engaged in work on public streets, subject to the conditions of this chapter. A charge shall be paid in advance for use of water from fire hydrants which shall be set by the City Council by resolution.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.38. Maintenance and control of fire hydrants.**

Public fire hydrants are the property of the City and are under the control of and shall be kept in repair by the Public Works Department. Private fire hydrants on private property shall be kept in repair by the private property owner.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.39. Drawing of water from fire hydrant.**

It shall be unlawful for any person, except a member of the Fire Department, Utilities Department, Public Works Department or other authorized City employee in the scope of employment, to open or use water from a fire hydrant, or to take off the cap without permission from the Public Works Department, or to remove the cap by using any wrench other than the wrench made specifically for that purpose.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.40. Use of water service during fire.**

In the event of a fire within the City, a Fireman or employee of the Public Works Department may order that all valves, taps and property stops connected to the plumbing systems of any property supplied with water service be closed and remain closed until the fire is extinguished.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.41. Fire sprinkler system inspections.**

Every customer receiving water from the Public Works Department through a fire sprinkler system for the purpose of fire protection which is not metered shall at all reasonable times permit the Public Works Department, Fire Department or other authorized employee to enter the premises and building for examination of pipes and fixtures to ensure that the system is maintained only for fire protection. Refusal by such customer shall result in refusal of water supply from the Public Works Department until such permission is granted.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.42. Private fire service main and fire service storage tanks.**

(a) *Sprinkler and fire service connections.* No connection for a sprinkler or private fire service main shall be permitted unless application therefor has been made to and granted by the Public Works Department and approved by the Fire Department and City Building Inspector. In no instance shall any connection be made with any sprinkler or private fire service main without the written consent of the Public Works Department. Should it be found that any unauthorized connection has been made, or that any water has been used from a sprinkler or private fire service main for any other purpose than extinguishing a fire, or that a waste of water is permitted from such connection through leaks in the pipes or fixtures, the water service may be discontinued until a meter prescribed by the Public Works Department has been installed at the expense of the customer.

(b)

*Financial responsibility.* The furnishing, installation, maintenance and inspection of all meters and services, checks, bypasses, valves, piping, etc., necessary for the installation and operation of sprinkler systems and fire services shall be at the expense of the customer.

- (c) *Ground storage reservoirs or fire pumps.* When ground storage reservoirs or fire pumps are installed on private property, such pumps shall discharge into a fire system approved by the Public Works Department, Fire Department and City building inspector. An approved check valve shall be installed in the owner's fire service between the point where the pump discharges into such service and the connection of such fire service to the City water mains to prevent backflow from the fire pump into the City distribution system. The water in such fire storage tanks will be maintained in a potable condition and subject to periodic inspection by Public Works Department personnel. Such tanks and water quality shall be maintained in compliance with the standards and requirements of the State Department of Health and the City. Such tanks shall not be of the pressure type. The delivery of City water to the tank shall be above the tank flow line with a one-foot air gap. The supply line to this tank shall not be controlled by a quick-acting valve which will cause water hammer in the distribution system. Water tanks shall be equipped with an overflow pipe at least twelve (12) inches below the City inlet pipe. The overflow pipe shall be protected as to prevent access of insects, birds, or animal life into the reservoir. The pipe shall be at least two (2) inches in diameter larger than the inlet supply line from the City distribution system. Such storage tank shall be provided with a drainpipe and valve for easy drainage of the tank. The drainpipe may not be connected to the City sanitary sewer system.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.43. Repeal.**

Upon adoption of this ordinance, Resolution 2135 adopted by the City Council on February 21, 1991 and Resolution 2342 adopted by the City Council on February 4, 1993, and Sections [6-4.08](#), [6-4.10](#), [6-4.11](#), 6-4-12, [6-4.13](#), [6-4.14](#), [6-4.15](#) and [6-4.16](#) of the Coalinga Municipal Code are hereby repealed.

(§ 1, Ord. 657, eff. October 20, 2001)

#### **Sec. 6-4.44. Severability.**

If any section, subsection, sentence or clause or phrase of this chapter is, for any reason held to be unconstitutional, void or unlawful, such decision shall not affect the validity of the remaining portions of this chapter.

(§ 1, Ord. 657, eff. October 20, 2001)

**Attachment C**  
**Measurement Device Documentation**

**Attachment D**  
**City Water Rates & Sample City Water Bills**

**EXHIBIT "A"**  
**City of Coalinga Water Rates and Charges**

|                                | Current Rates | Effective Dates of New Rates |            |            |             |             |             |
|--------------------------------|---------------|------------------------------|------------|------------|-------------|-------------|-------------|
|                                |               | 03/01/12                     | 03/01/13   | 03/01/14   | 03/01/15    | 03/01/16    | 03/01/17    |
| <b>Increases</b>               |               |                              | <b>3%</b>  | <b>3%</b>  | <b>3%</b>   | <b>3%</b>   | <b>3%</b>   |
| <b>Volumetric Rates (S/TG)</b> |               |                              |            |            |             |             |             |
| Urban Residential              |               |                              |            |            |             |             |             |
| Tier 1: Up to 10,000 g/mo      | \$1.28        | \$1.35                       | \$1.39     | \$1.43     | \$1.47      | \$1.51      | \$1.56      |
| Tier 2: 10,001 to 30,000 g/mo  | \$1.28        | \$1.65                       | \$1.70     | \$1.75     | \$1.80      | \$1.85      | \$1.91      |
| Tier 3: Above 30,000 g/mo      | \$1.28        | \$2.00                       | \$2.06     | \$2.12     | \$2.18      | \$2.25      | \$2.32      |
| Urban Commercial               | \$1.28        | \$1.45                       | \$1.49     | \$1.53     | \$1.58      | \$1.63      | \$1.68      |
| Rural                          | \$1.28        | \$1.41                       | \$1.45     | \$1.49     | \$1.53      | \$1.58      | \$1.63      |
| Construction                   | \$1.86        | \$2.78                       | \$2.86     | \$2.95     | \$3.04      | \$3.13      | \$3.22      |
| PVSP and CSH                   | \$1.28        | \$1.76                       | \$1.81     | \$1.86     | \$1.92      | \$1.98      | \$2.04      |
| <b>Fixed Monthly Charges</b>   |               |                              |            |            |             |             |             |
| Urban Res and Commercial       |               |                              |            |            |             |             |             |
| 1" Meter Size                  | \$16.50       | \$19.64                      | \$20.22    | \$20.83    | \$21.45     | \$22.09     | \$22.75     |
| 1.5"                           | \$65.97       | \$78.50                      | \$80.86    | \$83.29    | \$85.79     | \$88.36     | \$91.01     |
| 2"                             | \$297.22      | \$297.22                     | \$306.14   | \$315.32   | \$324.78    | \$334.52    | \$344.56    |
| 3"                             | \$667.38      | \$667.38                     | \$687.40   | \$708.02   | \$729.26    | \$751.14    | \$773.67    |
| 4"                             | \$1,186.68    | \$1,186.68                   | \$1,222.28 | \$1,258.95 | \$1,296.72  | \$1,335.62  | \$1,375.69  |
| 6"                             | \$2,671.68    | \$2,671.68                   | \$2,751.83 | \$2,834.38 | \$2,919.41  | \$3,006.99  | \$3,097.20  |
| 8"                             | \$4,750.02    | \$4,750.02                   | \$4,892.52 | \$5,039.30 | \$5,190.48  | \$5,346.19  | \$5,506.58  |
| 10"                            | \$5,276.96    | \$5,276.96                   | \$5,435.27 | \$5,598.33 | \$5,766.28  | \$5,939.27  | \$6,117.45  |
| Rural                          |               |                              |            |            |             |             |             |
| 1" Meter Size                  | \$24.72       | \$27.14                      | \$27.96    | \$28.80    | \$29.66     | \$30.55     | \$31.47     |
| 1.5"                           | \$98.96       | \$108.66                     | \$111.92   | \$115.28   | \$118.74    | \$122.30    | \$125.97    |
| 2"                             | \$445.28      | \$488.92                     | \$503.58   | \$518.69   | \$534.25    | \$550.28    | \$566.79    |
| 3"                             | \$1,001.60    | \$1,099.76                   | \$1,132.75 | \$1,166.73 | \$1,201.73  | \$1,237.78  | \$1,274.91  |
| 4"                             | \$1,780.04    | \$1,954.48                   | \$2,013.12 | \$2,073.51 | \$2,135.72  | \$2,199.79  | \$2,265.78  |
| 6"                             | \$4,007.52    | \$4,400.26                   | \$4,532.26 | \$4,668.23 | \$4,808.28  | \$4,952.53  | \$5,101.11  |
| 8"                             | \$7,124.48    | \$7,822.68                   | \$8,057.36 | \$8,299.08 | \$8,548.05  | \$8,804.49  | \$9,068.62  |
| 10"                            | \$7,915.97    | \$8,691.74                   | \$8,952.49 | \$9,221.06 | \$9,497.69  | \$9,782.62  | \$10,076.10 |
| PVSP                           | \$5,047.24    | \$9,200.00                   | \$9,476.00 | \$9,760.28 | \$10,053.09 | \$10,354.68 | \$10,665.32 |
| CSH                            | \$8,905.60    | \$2,600.00                   | \$2,678.00 | \$2,758.34 | \$2,841.09  | \$2,926.32  | \$3,014.11  |

## Sample Water Bill Calculations – City of Coalinga Updated June 25, 2015

The Water Management Plan contains sample utility bills for six (6) different water customers:

1. Residential
2. Rural Residential
3. Multi-Family
4. Urban Commercial
5. Pleasant Valley State Prison (PVSP)
6. Coalinga State Hospital (CSH)

Exhibit A, which is attached, is the Water Rate Table from which the water fees were calculated on the example utility bills.

The City's water fee to customers is based on a "Fixed Monthly Charge + Volumetric Rate". The volumetric rate based on a cost of service analysis varies between customer classes and urban and rural. All City water meters measure water use in either cubic feet (cf) or 100's of cubic feet (hcf) therefore the "usage" posted on a water bill is multiplied by either 748, to convert 100's of cubic feet to gallons or by 7.48 to convert cubic feet to gallons. This conversion takes place in the billing software as appropriate for the individual meter. The other conversion that takes place in the billing system for all meters is to convert gallons into increments of 1,000 gallons (kgals.)

### Example 1 – Residential (694 W Monroe)

Customer has a 1" meter

Usage was 51 (or 5100 cf)

Conversion to gallons = 51 hcf x 748 gals/hcf = 38,148 gallons

Conversion to kgals = 38,148 gals / 1000 = 38.148 kgals

Fixed Monthly Charge = \$20.83

Volumetric Rate - In this example water consumption reaches all 3 Tiers

Fee = \$20.83 + (\$1.43/kgal x 10 kgals) + (\$1.75/kgal x 20 kgals) + (\$2.12/kgal x 8.148 kgals)

Fee = \$20.83 + \$14.30 + \$35.00 + \$17.27

**Fee = \$87.40**

### Example 2 – Rural Residential (28515 Jayne Ave)

Customer has a 1" meter

Usage was 52 (or 5200 cf)

Conversion to gallons = 52 hcf x 748 gals/hcf = 38,896 gallons

Conversion to kgals = 38,896 gals / 1000 = 38.896 kgals

Fixed Monthly Charge = \$28.80

Volumetric Rate = \$1.49/kgal for Rural Residential

Fee = \$28.80 + (\$1.49 x 38.896 kgals)

Fee = \$28.80 + \$57.96

**Fee = \$86.76**

### **Example 3 – Multi-Family (250 Truman – Office)**

This example comes from a Manager's unit that has its own meter, but calculation would apply to other building units and their meter, its size and usage. In this case the meter was a 1" meter and multi-family usage is charged at the Urban Commercial Volumetric Rate structure.

Customer has a 1" meter

Usage was 14 (or 1400 cf)

Conversion to gallons = 14 hcf x 748 gals/hcf = 10,472 gallons

Conversion to kgals = 10,472 gals / 1000 = 10.472 kgals

Fixed Monthly Charge = \$20.83

Volumetric Rate = \$1.53/kgal for Urban Commercial

Fee = \$20.83 + (\$1.53 x 10.472 kgals)

Fee = \$20.83 + \$16.02

**Fee = \$36.85**

### **Example 4 – Urban Commercial (186 N Fifth)**

This example is from a restaurant with a 1" water meter

Usage was 75 or (7500 cf)

Conversion to gallons = 75 hcf x 748 gals/hcf = 56,100 gallons

Conversion to kgals = 56,100 gals / 1000 = 56.1 kgals

Fixed Monthly Charge = \$20.83

Volumetric Rate = \$1.53/kgal

Fee = \$20.83 + (\$1.53 x 56.1 kgals)

Fee = \$20.83 + \$85.83

**Fee = \$106.66**

### **Example 5 – PVSP (Prison 24863 Jayne Ave - Large Meter)**

Usage was 2,173,300 hcf

Conversion to gallons = 2,173,300 hcf x 748 gals/hcf = 16,256,284 gals

Conversion to kgals = 16,256,284 gals / 1000 = 16,256.284 kgals

Fixed Monthly Charge = \$9,760.28

Volumetric Rate = \$1.86/kgal

Fee = \$9,760.28 + (\$1.86/kgal x 16,256.284 kgals)

Fee = \$9,760.28 + \$30,236.69

**Fee = \$39,996.97**

### **Example 6 – CSH (24511 W Jayne Ave)**

This example illustrates only one of the utility bills used to determine total CSH total water charges. It does not include the Fixed Monthly Charge for the other meters. **It only shows calculation of the Volumetric Rate component for 2 of the meters.**

Usage for the sum of both meters = 2070 hcf + 1985 hcf = 4055 hcf

Conversion to gallons = 4055 hcf x 748 gals/hcf = 3,033,140 gallons

Conversion to kgals = 3,033,140 gals / 1000 = 3,033.140 kgals

Volumetric Charge = \$1.86/kgal x 3,033.140 kgal = \$5,641.64

**Fee = \$5,641.64**



**CITY OF COALINGA**  
 UTILITY BILLING  
 155 W. DURIAN  
 COALINGA, CALIFORNIA 93210  
 (559) 935-1531

Example 1 - Residential

**UTILITY ACCOUNT INFORMATION**

Statement Date 05/29/14  
 Account Number 000077-003  
 Service Address 694 W MONROE

**RETURN SERVICE REQUESTED**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

\*\*AUTO\*\*SCH 5-DIGIT 93256 1 PS5 86999RA29-A-1  
 15 1 AV 0.381



RODNEY/KAHLA SULLIVAN  
 694 MONROE ST  
 COALINGA CA 93210-1817

**METER READING**

| Meter    | Previous Read Date | Previous Reading | Current Read Date | Current Reading | Usage |
|----------|--------------------|------------------|-------------------|-----------------|-------|
| 8284/WTR | 04/03/14           | 7840             | 05/07/14          | 7891            | 51    |
| GAS      | 04/03/14           | 8258             | 05/07/14          | 8283            | 25    |

Please see back for additional billing information.

**ACCOUNT CHARGES DUE**

|                 |       |
|-----------------|-------|
| Water           | 87.40 |
| Gas             | 22.36 |
| Sewer           | 15.68 |
| Garbage         | 22.65 |
| Street Sweeping | 2.26  |

**SPECIAL MESSAGE...**

Días y Horas permitidos para el riego: Riego prohibido en su día designado entre 9am-6pm. Si su dirección termina en 0,2,4,6 o 8 puede regar MARTES Y VIERNES SOLAMENTE. Si su dirección termina en 1,3,5,7 o 9 puede regar MIÉRCOLES Y SÁBADO SOLAMENTE.

Our community is on Stage 2 watering schedule. Outside irrigation will be limited to twice a week. Even addresses Tuesday and Friday; odd addresses Wednesday and Saturday only before 9:00 a.m. and after 6:00 p.m. Current schedule and conservation tips available at City Hall.

**TOTAL CURRENT CHARGES 150.35**

**Total Current Charges Due: 06/25/14**

|                  |        |
|------------------|--------|
| Previous Balance | 232.09 |
| Penalty          | 5.89   |
| Payments         | 114.27 |

**AMOUNT PAST DUE 123.71**

**Amount Past Due is NOW DUE**

**TOTAL AMOUNT DUE 274.06**

**PAYMENT COUPON**

PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT  
 PLEASE MAKE YOUR CHECK PAYABLE TO: CITY OF COALINGA

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

Service Address  
 694 W MONROE

Billing Address  
 RODNEY/KAHLA SULLIVAN  
 694 MONROE ST  
 COALINGA CA 93210-1817

**AMOUNT DUE**

**Account Number:** 000077-003  
**Total Current Charges Due:** 06/25/14  
**Amount Past Due is Now Due**  
**Total Amount Due:** 274.06

**AMOUNT ENCLOSED**



City of Coalinga  
 Utility Billing  
 155 W. Durian  
 Coalinga, CA 93210-1911





**CITY OF COALINGA**  
 UTILITY BILLING  
 155 W. DURIAN  
 COALINGA, CALIFORNIA 93210  
 (559) 935-1531

**RETURN SERVICE REQUESTED**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

\*\*AUTO\*\*SCH 5-DIGIT 93256 8 PS5 86999RA29-A-1  
 1902 1 AV 0.381



STEVEN VIERHUS  
 PO BOX 1352  
 COALINGA CA 93210-8152

**Example 2 - Rural Residential**

**UTILITY ACCOUNT INFORMATION**

Statement Date 05/29/14  
 Account Number 019767-000  
 Service Address 28515 JAYNE AVE

**METER READING**

| Meter | Previous Read Date | Previous Reading | Current Read Date | Current Reading | Usage |
|-------|--------------------|------------------|-------------------|-----------------|-------|
| WTR   | 04/10/14           | 2808             | 05/16/14          | 2860            | 52    |

Please see back for additional billing information.

**ACCOUNT CHARGES DUE**

Water 86.76

**SPECIAL MESSAGE...**

Días y Horas permitidos para el riego: Riego prohibido en su día designado entre 9am–6pm. Si su dirección termina en 0,2,4,6 o 8 puede regar MARTES Y VIERNES SOLAMENTE. Si su dirección termina en 1,3,5,7 o 9 puede regar MIÉRCOLES Y SÁBADO SOLAMENTE.

Our community is on Stage 2 watering schedule. Outside irrigation will be limited to twice a week. Even addresses Tuesday and Friday; odd addresses Wednesday and Saturday only before 9:00 a.m. and after 6:00 p.m. Current schedule and conservation tips available at City Hall.

**TOTAL CURRENT CHARGES 86.76**

**Total Current Charges Due: 06/25/14**

Previous Balance 44.40  
 Payments 44.40

**TOTAL AMOUNT DUE 86.76**

**PAYMENT COUPON**

PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT  
 PLEASE MAKE YOUR CHECK PAYABLE TO: **CITY OF COALINGA**  
 City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

Service Address  
 28515 JAYNE AVE

Billing Address  
 STEVEN VIERHUS  
 PO BOX 1352  
 COALINGA CA 93210-8152

**AMOUNT DUE**

**Account Number:** 019767-000  
**Total Current Charges Due:** 06/25/14  
**Total Amount Due:** 86.76

**AMOUNT ENCLOSED**



City of Coalinga  
 Utility Billing  
 155 W. Durian  
 Coalinga, CA 93210-1911





**CITY OF COALINGA**  
 UTILITY BILLING  
 155 W. DURIAN  
 COALINGA, CALIFORNIA 93210  
 (559) 935-1531

**RETURN SERVICE REQUESTED**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

\*\*AUTO\*\*ALL FOR AADC 936 17 AADC 86999RA29-A-1  
 4034 1 AB 0.406



COALING STAT B INC  
 7580 N INGRAM AVE # 104  
 FRESNO CA 93711-5804

**Example 3 - Multi-Family Residential**

**UTILITY ACCOUNT INFORMATION**

Statement Date 05/29/14  
 Account Number 005290-000  
 Service Address 250 TRUMAN - OFFICE

**METER READING**

| Meter    | Previous Read Date | Previous Reading | Current Read Date | Current Reading | Usage |
|----------|--------------------|------------------|-------------------|-----------------|-------|
| 5519/GAS | 04/03/14           | 3261             | 05/05/14          | 3269            | 8     |
| 1629/WTR | 04/03/14           | 267              | 05/05/14          | 281             | 14    |

Please see back for additional billing information.

**ACCOUNT CHARGES DUE**

|                 |          |
|-----------------|----------|
| Water           | 36.85    |
| Gas             | 11.08    |
| Sewer           | 1,960.00 |
| Garbage         | 1,840.00 |
| Street Sweeping | 2.26     |

**SPECIAL MESSAGE...**

Dias y Horas permitidos para el riego: Riego prohibido en su día designado entre 9am-6pm. Si su dirección termina en 0,2,4,6 o 8 puede regar MARTES Y VIERNES SOLAMENTE. Si su dirección termina en 1,3,5,7 o 9 puede regar MIÉRCOLES Y SÁBADO SOLAMENTE.

Our community is on Stage 2 watering schedule. Outside irrigation will be limited to twice a week. Even addresses Tuesday and Friday; odd addresses Wednesday and Saturday only before 9:00 a.m. and after 6:00 p.m. Current schedule and conservation tips available at City Hall.

**TOTAL CURRENT CHARGES 3,850.19**

**Total Current Charges Due: 06/25/14**

|                  |          |
|------------------|----------|
| Previous Balance | 3,842.30 |
| Payments         | 3,842.30 |

**TOTAL AMOUNT DUE 3,850.19**

**AMOUNT DUE**

**Account Number:** 005290-000  
**Total Current Charges Due:** 06/25/14  
**Total Amount Due:** 3,850.19

**AMOUNT ENCLOSED**

**PAYMENT COUPON**

PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT  
 PLEASE MAKE YOUR CHECK PAYABLE TO: **CITY OF COALINGA**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

Service Address  
 250 TRUMAN - OFFICE

Billing Address  
 COALING STAT B INC  
 7580 N INGRAM AVE # 104  
 FRESNO CA 93711-5804



City of Coalinga  
 Utility Billing  
 155 W. Durian  
 Coalinga, CA 93210-1911





**CITY OF COALINGA**  
 UTILITY BILLING  
 155 W. DURIAN  
 COALINGA, CALIFORNIA 93210  
 (559) 935-1531

**Example 4 - Urban Commercial**

**UTILITY ACCOUNT INFORMATION**

Statement Date 05/29/14  
 Account Number 000012-000  
 Service Address 186 N FIFTH

**RETURN SERVICE REQUESTED**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

\*\*AUTO\*\*SCH 5-DIGIT 93256 1 PS5 86999RA29-A-1  
 4 1 AV 0.381



NEW CHINA RESTAURANT  
 186 N 5TH ST  
 COALINGA CA 93210-1902

**METER READING**

| Meter    | Previous Read Date | Previous Reading | Current Read Date | Current Reading | Usage |
|----------|--------------------|------------------|-------------------|-----------------|-------|
| GAS      | 04/01/14           | 85759            | 05/01/14          | 86340           | 581   |
| 7428/WTR | 04/01/14           | 400              | 05/01/14          | 475             | 75    |

Please see back for additional billing information.

**ACCOUNT CHARGES DUE**

|                 |        |
|-----------------|--------|
| Water           | 106.66 |
| Gas             | 451.03 |
| Sewer           | 145.53 |
| Garbage         | 131.50 |
| Street Sweeping | 4.51   |

**SPECIAL MESSAGE...**

Días y Horas permitidos para el riego: Riego prohibido en su día designado entre 9am-6pm. Si su dirección termina en 0,2,4,6 o 8 puede regar MARTES Y VIERNES SOLAMENTE. Si su dirección termina en 1,3,5,7 o 9 puede regar MIÉRCOLES Y SÁBADO SOLAMENTE.

Our community is on Stage 2 watering schedule. Outside irrigation will be limited to twice a week. Even addresses Tuesday and Friday; odd addresses Wednesday and Saturday only before 9:00 a.m. and after 6:00 p.m. Current schedule and conservation tips available at City Hall.

**TOTAL CURRENT CHARGES 839.23**

**Total Current Charges Due: 06/25/14**

|                  |        |
|------------------|--------|
| Previous Balance | 809.16 |
| Payments         | 809.16 |

**TOTAL AMOUNT DUE 839.23**

**AMOUNT DUE**

**Account Number:** 000012-000  
**Total Current Charges Due:** 06/25/14  
**Total Amount Due:** 839.23

**AMOUNT ENCLOSED**

**PAYMENT COUPON**

PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT  
 PLEASE MAKE YOUR CHECK PAYABLE TO: **CITY OF COALINGA**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

Service Address  
 186 N FIFTH

Billing Address  
 NEW CHINA RESTAURANT  
 186 N 5TH ST  
 COALINGA CA 93210-1902



City of Coalinga  
 Utility Billing  
 155 W. Durian  
 Coalinga, CA 93210-1911





**CITY OF COALINGA**  
 UTILITY BILLING  
 155 W. DURIAN  
 COALINGA, CALIFORNIA 93210  
 (559) 935-1531

**RETURN SERVICE REQUESTED**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

\*\*AUTO\*\*MIXED AADC 750 18 MAAD 86999RA29-A-1  
 4183 1 MB 0.435



CALIFORNIA DEPT OF CORRECTIONS  
 SOUTHERN CA REGIONAL ACCTNG OFFICE  
 ATTN: ACCOUNTS PAYABLE UNIT  
 PO BOX 6000  
 RANCHO CUCAMONGA CA 91729-6000

Example 5 - PVSP Large Meter

**UTILITY ACCOUNT INFORMATION**

Statement Date 05/29/14  
 Account Number 010888-000  
 Service Address Prison 24863 Jayne Avenue

**METER READING**

| Meter | Previous Read Date | Previous Reading | Current Read Date | Current Reading | Usage   |
|-------|--------------------|------------------|-------------------|-----------------|---------|
| WTR   | 04/10/14           | 20896100         | 05/16/14          | 23069400        | 2173300 |

Please see back for additional billing information.

**ACCOUNT CHARGES DUE**

|         |           |
|---------|-----------|
| Water   | 39,996.97 |
| Garbage | 13,642.65 |

**SPECIAL MESSAGE...**

Días y Horas permitidos para el riego: Riego prohibido en su día designado entre 9am-6pm. Si su dirección termina en 0,2,4,6 o 8 puede regar MARTES Y VIERNES SOLAMENTE. Si su dirección termina en 1,3,5,7 o 9 puede regar MIÉRCOLES Y SÁBADO SOLAMENTE.

Our community is on Stage 2 watering schedule. Outside irrigation will be limited to twice a week. Even addresses Tuesday and Friday; odd addresses Wednesday and Saturday only before 9:00 a.m. and after 6:00 p.m. Current schedule and conservation tips available at City Hall.

**TOTAL CURRENT CHARGES 53,639.62**

**Total Current Charges Due: 06/25/14**

|                  |           |
|------------------|-----------|
| Previous Balance | 47,324.60 |
| Payments         | 47,324.60 |

**TOTAL AMOUNT DUE 53,639.62**

**PAYMENT COUPON**

PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT  
 PLEASE MAKE YOUR CHECK PAYABLE TO: **CITY OF COALINGA**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

Service Address  
 Prison 24863 Jayne Avenue

Billing Address  
 CALIFORNIA DEPT OF CORRECTIONS  
 SOUTHERN CA REGIONAL ACCTNG OFFICE  
 ATTN: ACCOUNTS PAYABLE UNIT  
 PO BOX 6000  
 RANCHO CUCAMONGA CA 91729-6000

**AMOUNT DUE**

**Account Number:** 010888-000  
**Total Current Charges Due:** 06/25/14  
**Total Amount Due:** 53,639.62

**AMOUNT ENCLOSED**



City of Coalinga  
 Utility Billing  
 155 W. Durian  
 Coalinga, CA 93210-1911





**CITY OF COALINGA**  
 UTILITY BILLING  
 155 W. DURIAN  
 COALINGA, CALIFORNIA 93210  
 (559) 935-1531

**Example 6 - CSH (One Meter)**

**UTILITY ACCOUNT INFORMATION**

Statement Date 05/29/14  
 Account Number 014283-001  
 Service Address 24511 W Jayne Ave

**RETURN SERVICE REQUESTED**

City services provided are Water, Gas, Sewer, & Garbage.  
 ...Garbage services provided by Mid Valley Disposal (559) 934-1229.

\*\*AUTO\*\*SCH 5-DIGIT 93256 6 PS5 86999RA29-A-1  
 1391 1 AV 0.381



COALINGA STATE HOSPITAL  
 ATTENTION: ACCOUNTING OFFICE  
 PO BOX 5001  
 COALINGA CA 93210-5001

Please see back for additional billing information.

**METER READING**

| Meter | Previous Read Date | Previous Reading | Current Read Date | Current Reading | Usage |
|-------|--------------------|------------------|-------------------|-----------------|-------|
| WTR   | 04/10/14           | 1807             | 05/16/14          | 3877            | 2070  |
| WTR   | 04/10/14           | 6637             | 05/16/14          | 8622            | 1985  |

**ACCOUNT CHARGES DUE**

Water 5,641.64

**SPECIAL MESSAGE...**

Días y Horas permitidos para el riego: Riego prohibido en su día designado entre 9am-6pm. Si su dirección termina en 0,2,4,6 o 8 puede regar MARTES Y VIERNES SOLAMENTE. Si su dirección termina en 1,3,5,7 o 9 puede regar MIÉRCOLES Y SÁBADO SOLAMENTE.

Our community is on Stage 2 watering schedule. Outside irrigation will be limited to twice a week. Even addresses Tuesday and Friday; odd addresses Wednesday and Saturday only before 9:00 a.m. and after 6:00 p.m. Current schedule and conservation tips available at City Hall.

**TOTAL CURRENT CHARGES 5,641.64**

**Total Current Charges Due: 06/25/14**

Previous Balance 5,470.51  
 Payments 0.00

**AMOUNT PAST DUE 5,470.51**

**Amount Past Due is NOW DUE**

**TOTAL AMOUNT DUE 11,112.15**

**AMOUNT DUE**

**Account Number:** 014283-001

**Total Current Charges Due:** 06/25/14

**Amount Past Due is Now Due**

**Total Amount Due:** 11,112.15

**AMOUNT ENCLOSED**

**PAYMENT COUPON**

PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

PLEASE MAKE YOUR CHECK PAYABLE TO: **CITY OF COALINGA**

City services provided are Water, Gas, Sewer, & Garbage.

...Garbage services provided by Mid Valley Disposal (559) 934-1229.

Service Address  
 24511 W Jayne Ave

Billing Address  
 COALINGA STATE HOSPITAL  
 ATTENTION: ACCOUNTING OFFICE  
 PO BOX 5001  
 COALINGA CA 93210-5001



City of Coalinga  
 Utility Billing  
 155 W. Durian  
 Coalinga, CA 93210-1911



**Attachment E**  
**City Water Shortage Plan**

Coalinga, California, Code of Ordinances >> - SUPPLEMENT HISTORY TABLE >> TITLE 6. -  
SANITATION AND HEALTH >> **CHAPTER 6-4B. WATER EFFICIENT LANDSCAPE STANDARDS >>**

---

**CHAPTER 6-4B. WATER EFFICIENT LANDSCAPE STANDARDS [13](#)**

---

[Sec. 6-4B.01. Water conservation in landscaping.](#)

**Sec. 6-4B.01. Water conservation in landscaping.**

The model Water Efficient Landscaping Ordinance, as published by the California Department of Water Resources, pursuant to California Water Conservation in Landscaping Act (Government Code § 65591, et seq.), is hereby adopted in full, by reference, and shall be effective in the City of Coalinga commencing on January 1, 2010. A copy of the Water Efficient Landscaping Ordinance shall be retained on file in the Office of the City Manager, the Office of the City Planner, and the Office of the Coalinga City Clerk at all times.

*(Ord. No. 755, § 2, eff. 2-7-2010)*

---

**FOOTNOTE(S):**

---

--- (3) ---

**Editor's note**— Ord. No. 755, § 1, effective Feb. 7, 2010, repealed §§ 6-4B.01—6-4B.07, and reenacted § 6-4B.01 as set out herein. The former §§ 6-4B.01—6-4B.07 derived from Ord. 608, § 1, effective Dec. 5, 1992.

[\(Back\)](#)

Coalinga, California, Code of Ordinances >> - SUPPLEMENT HISTORY TABLE >> TITLE 6. -  
SANITATION AND HEALTH >> CHAPTER 4C. WATER CONSERVATION >>

---

**CHAPTER 4C. WATER CONSERVATION**

---

[Sec. 6-4C.01. Findings of necessity.](#)

[Sec. 6-4C.02. Water Customer.](#)

[Sec. 6-4C.03. Application.](#)

[Sec. 6-4C.04. Exceptions and exemptions.](#)

[Sec. 6-4C.05. Authorization](#)

[Sec. 6-4C.06. Stage I Prohibitions and restrictions—Standard conservation alert.](#)

[Sec. 6-4C.07. Stage II Prohibitions and restrictions—High water conservation alert.](#)

[Sec. 6-4C.08. Stage III Prohibitions and restrictions—Emergency water conservation alert.](#)

[Sec. 6-4C.09. Penalties.](#)

[Sec. 6-4C.10. Compliance.](#)

**Sec. 6-4C.01. Findings of necessity.**

It is necessary to minimize the potential for water shortage through the practice of water conservation pursuant to the provisions of California Water Code § 375 et seq. It is further necessary to reduce the potential effect of a water shortage on the residents, businesses and visitors of Coalinga and to adopt provisions that will significantly reduce the inefficient consumption of water, thereby extending the available water resources necessary for the domestic, sanitation, and fire protection of the community to the greatest extent possible. Nothing in this chapter shall prevent the City from also declaring a water emergency pursuant to California Water Code Section 350, if circumstances warrant such a declaration.

*(Ord. No. 746, § 1, eff. March 19, 2009)*

**Sec. 6-4C.02. Water Customer.**

Water customer for the purposes of this chapter, shall mean any person, partnership, business, corporation, special district, public agency, or association or legal entity to which the City of Coalinga (City) supplies water or "user" of water supplied by the City as defined in Subsection [6-4.01\(s\)](#).

*(Ord. No. 746, § 1, eff. March 19, 2009)*

**Sec. 6-4C.03. Application.**

This chapter shall be applicable to all water customers.

*(Ord. No. 746, § 1, eff. March 19, 2009)*

**Sec. 6-4C.04. Exceptions and exemptions.**

(a)

*Exceptions:* The City Manager or his or her designee shall grant an exception from the requirements of this chapter for any of the following reasons:

- (1) Water use is necessary to public health and safety or for essential government services; or
  - (2) Recycled water is being used; or
  - (3) Water use is necessary due to the medical needs of the water customer.
  - (4) An alternative water source/supply is available for use.
- (b) *Exemptions:* The City Council may grant an exemption to the requirements of this chapter, with or without conditions, if it determines that a water customer would otherwise experience extreme financial hardship that cannot be mitigated. The City Council shall review any requests for an exemption from compliance with this chapter. A written request for an exemption must be submitted to the City Clerk a minimum of two (2) weeks prior to the regularly scheduled Council meeting at which the exemption is to be considered. If appropriate, the City Council may require the customer granted an exemption to reduce water use by other appropriate alternative methods. Notwithstanding any other provision of this Code, there shall be no right to further administrative review or appeal of the determination of exemption of the City Council. The City Council may establish an "exemption processing fee" by resolution.

*(Ord. No. 746, § 1, eff. March 19, 2009)*

#### **Sec. 6-4C.05. Authorization**

The City Council may declare the conservation stage based on a determination made by the City Manager in conjunction with the Chief Plant Operator of the water treatment plant, or based upon any interruption in water supply or delivery that the City Council determines in its sole discretion necessitates water conservation pursuant to this chapter. The City Council may determine and order water prohibitions and restrictions as outlined herein in the three (3) stages:

- Stage 1. Standard Conservation Alert
- Stage 2. High Conservation Alert
- Stage 3. Emergency Conservation Alert

*(Ord. No. 746, § 1, eff. March 19, 2009)*

#### **Sec. 6-4C.06. Stage I Prohibitions and restrictions—Standard conservation alert.**

The following restrictions shall be applicable throughout the year unless the City Council determines that an increased conservation effort shall be implemented (stage 2 or 3):

- (a) There shall be no hose washing of sidewalks, walkways, driveways, parking areas, patios, porches or verandas.
- (b) No water shall be used to clean, fill, operate or maintain levels in decorative fountains unless such water is part of a recirculation system.
- (c) No water customer shall permit water to leak on his or her premises. Such leak shall be repaired in a timely manner after written notification by the City, but in no case in excess of seventy-two (72) hours after notification.
- (d) Designated times and days of irrigation:
  - (1) No water customer shall sprinkle, water, or irrigate any shrubbery, trees, lawns, grass, groundcovers, plants, vines, gardens, vegetables, flowers, or any other landscaped or vegetated areas between the hours of 10:00 a.m. and 6:00 p.m.

This provision shall not apply to equestrian and livestock businesses, dairies, nurseries, golf courses, or other water-dependent industries.

- (2) Residential addresses ending in an even number may use water on Tuesday, Friday, and Sunday. Residential addresses ending in an odd numbers and nonresidential (irrespective of address) may use water on Monday, Wednesday and Saturday.
  - (3) No irrigation shall occur on Thursdays.
  - (4) The use of a handheld hose with a shut-off valve shall be permitted at any time.
- (e) The use of water from fire hydrants shall be limited to fire fighting and related activities necessary to maintain the public health, safety and welfare. An exception may be made for construction use through a proper City-designated meter where recycled water is not available.

*(Ord. No. 746, § 1, eff. March 19, 2009; Ord. No. 750, § 1, eff. 9-6-2009)*

### **Sec. 6-4C.07. Stage II Prohibitions and restrictions—High water conservation alert.**

The following restrictions shall be applicable during a high water conservation alert as declared by the City Council and whenever a recommendation has been made by the City Manager in conjunction with the Chief Plant Operator of the water treatment plant based upon a significant reduction or interruption in water supply or delivery that necessitates increased water conservation efforts:

- (a) All prohibitions and restrictions in Stage I shall be in effect.
- (b) Commercial nurseries, golf courses, and other water-dependent industries shall be prohibited from watering lawn, landscape, or other turf areas more than every other day. Irrigation shall occur between the hours of 6:00 p.m. and 6:00 a.m. only, with the exception of usage of recycled water.
- (c) Designated times and days of irrigation:
  - (1) No water customer shall sprinkle, water, or irrigate any shrubbery, trees, lawns, grass, groundcovers, plants, vines, gardens, vegetables, flowers, or any other landscaped or vegetated areas on between the hours of 9:00 a.m. and 6:00 p.m. This provision shall not apply to equestrian and livestock businesses, dairies, nurseries, golf courses, or other water-dependent industries.
  - (2) Residential addresses ending in an even number may use water on Tuesday, and Friday. Residential addresses ending in an odd numbers and nonresidential (irrespective of address) may use water on Wednesday and Saturday.
  - (3) No irrigation shall occur on Sundays, Mondays and Thursdays.
- (d) Swimming pool refilling or new construction swimming pool filling shall not occur without permission from the City Manager or his or her designee. The replenishment of swimming pools shall be limited to the same days as set forth in subsections (a) through (c) above for outdoor use of water.
- (e) No restaurants or other public place which serves food shall serve drinking water to any customer unless expressly requested by the customer.

*(Ord. No. 746, § 1, eff. March 19, 2009)*

### **Sec. 6-4C.08. Stage III Prohibitions and restrictions—Emergency water conservation alert.**

In the event of a major earthquake, large-scale fire, or other so called "act of nature" which has or could have serious impacts on the city's total available water storage or delivery capacity, whether storage capacities have been reduced or not, or in the case of an unanticipated significant reduction in City water supply, an emergency water conservation alert shall be declared by the City Council.

- (a) All previous restrictions noted above in Stage I and Stage II shall be in effect.
- (b) There shall be no outdoor use of water at any time except the minimal amount by handheld hose equipped with a shut-off nozzle.
- (c) Commercial nurseries, golf courses, and other water-dependent industries shall be prohibited from the outdoor use of water except by a hand-held hose equipped with a shut-off nozzle.
- (d) All nonessential uses of water shall be prohibited including the filling, or refilling of swimming pools, spas, jacuzzis, or other like devices beyond what is necessary for maintenance.

*(Ord. No. 746, § 1, eff. March 19, 2009)*

### **Sec. 6-4C.09. Penalties.**

- (a) No water customer of the City shall knowingly use, or permit the use of, water in a manner contrary to any provisions of this chapter, or in an amount in excess of that use permitted by the provisions of this chapter.
- (b) Unless otherwise provided, any water customer violating any provision of this chapter shall be guilty of an infraction, and each day or portion thereof such violation is in existence shall be a new and separate offense.
- (c) Any water customer determined to be guilty of a first time violation shall be given a written reminder for compliance. Second and subsequent violations shall be punishable as follows:
  - (1) For a second violation during any period of declared water conservation alert: As an infraction, punishable by a fine of not more than fifty dollars (\$50.00).
  - (2) For a third violation during any period of declared water conservation alert: As an infraction, punishable by a fine not more than one hundred dollars (\$100.00).
  - (3) For a fourth violation during any period of declared water conservation alert: As an infraction, punishable by a fine not more than two hundred fifty dollars (\$250.00), and placement of a flow restrictor. In addition, the City may discontinue water services.
- (d) Notwithstanding the above, the City Attorney or Deputy City Attorney may charge and prosecute second and subsequent offenses as misdemeanors at the City's sole discretion pursuant to California Water Code § 377. In addition to the above penalties, the City may file an action for civil abatement and, at the discretion of the court, be entitled to reimbursement for all necessary costs and Attorneys fees incurred through investigation, discovery, analysis, inspection, abatement and other actual costs incurred by the City or its agents pertaining to the violation.
- (e) The court shall fix the amount of any such reimbursements upon submission of proof of such costs by the City. Payment of any penalty provided in this section shall not relieve a person, firm or corporation, or other entity from the responsibility of correcting the condition resulting from the violation.

- (f) In addition to the above remedies, the City Manager or his or her designee is empowered, to enforce any or all of the following penalties:
- (1) Place a flow restricting device upon the water service;
  - (2) Lock off of a water meter;
  - (3) Remove a water meter;
  - (4) Shut off the service connection.
- (g) All costs or expenses incurred by the City for enforcement of this section shall be borne by the water customer. No water service shall be limited or discontinued until the City Manager or his or her designee provides a written notice of intent to so limit or discontinue such service and the reasons for such decision, and further, provides such water customer notice of the right to request an administrative review and hearing pursuant to the procedures set forth in [Section 6-4.26](#) of this Code, except that any reference to "citation" in that section shall instead be deemed a reference to a "notice of intent" as described in this section. A written notice of intent shall be provided either by first class mail, by personal service on the water customer, or by posting said notice in a conspicuous place on the property wherein the violation occurred. Notwithstanding any other provision of this Code, there shall be no right to further administrative review or appeal.

*(Ord. No. 746, § 1, eff. March 19, 2009)*

#### **Sec. 6-4C.10. Compliance.**

The City Code Enforcement Officer and designee from the Community Development Department shall enforce the provisions of this chapter.

*(Ord. No. 746, § 1, eff. March 19, 2009)*



**Table 2**  
**Ground Water Supply**

| 2012<br>Month | Groundwater<br>(acre-feet) | Urban<br>*(acre-feet) |
|---------------|----------------------------|-----------------------|
| Method        |                            |                       |
| January       | 0                          | 0                     |
| February      | 0                          | 0                     |
| March         | 0                          | 0                     |
| April         | 0                          | 0                     |
| May           | 0                          | 0                     |
| June          | 0                          | 0                     |
| July          | 0                          | 0                     |
| August        | 0                          | 0                     |
| September     | 0                          | 0                     |
| October       | 0                          | 0                     |
| November      | 0                          | 0                     |
| December      | 0                          | 0                     |
| TOTAL         | 0                          | 0                     |

\*normally estimated

**Table 3**  
**Total Water Supply**

| <b>2012<br/>Month</b> | <b>Surface<br/>Water Total<br/>(acre-feet)</b> | <b>Groundwater<br/>(acre-feet)</b> | <b>M&amp;I<br/>Wastewater<br/>(acre-feet)</b> | <b>City<br/>Water<br/>(acre-feet)</b> |
|-----------------------|--|------------------------------------|---|---------------------------------------|
| <b>Method</b>         |  |                                    |   |                                       |
| January               | 353  | 0                                  |   | 353                                   |
| February              | 315  | 0                                  |   | 315                                   |
| March                 | 348  | 0                                  |   | 348                                   |
| April                 | 444  | 0                                  |   | 444                                   |
| May                   | 540  | 0                                  |   | 540                                   |
| June                  | 644  | 0                                  |   | 644                                   |
| July                  | 724  | 0                                  |   | 724                                   |
| August                | 777  | 0                                  |   | 777                                   |
| September             | 587  | 0                                  |   | 587                                   |
| October               | 562  | 0                                  |   | 562                                   |
| November              | 387  | 0                                  |   | 387                                   |
| December              | 178  | 0                                  |   | 178                                   |
| <b>TOTAL</b>          | <b>5,859</b>                                   | <b>0</b>                           | <b>0</b>                                      | <b>5,859</b>                          |

\*Recycled M&I Wastewater is treated urban wastewater that is used for agriculture.

**Table 4**  
**Urban Distribution System**

| 2012<br>Area or Line      | Length<br>(feet) | Leaks<br>(acre-feet) | Breaks<br>(acre-feet) | Flushing/Fire<br>(acre-feet) | Total<br>(acre-feet) |
|---------------------------|------------------|----------------------|-----------------------|------------------------------|----------------------|
| <b>Transmission Line</b>  | 116,160          | 0                    | 4.4                   | 0                            | 4.4                  |
| <b>Distribution Lines</b> | 271920           | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
|                           | 0                | 0                    | 0                     | 0                            | 0                    |
| <b>TOTAL</b>              | 388080           | 0                    | 4.4                   | 0                            | 4.4                  |

**Table 6**  
**2012 District Water Inventory**

|                                       |                             |       |       |
|---------------------------------------|-----------------------------|-------|-------|
| Water Supply                          | Table 3                     |       | 5,859 |
| Environmental Consumptive Use         |                             | minus | 0     |
| Groundwater Recharge                  | Perc ponds & recharge wells | minus | 0     |
| Transfers out of District             |                             | minus | 0     |
| Flushing / Fire                       | Table 4b                    | minus | 0     |
| Distribution System Leaks & Breaks    | Table 4b                    | minus | 4     |
| Water Available for sale to customers |                             |       | 5,855 |
| <hr/>                                 |                             |       |       |
| Actual Water Sale: 2012               | From District Records       |       | 5,621 |
| Inside Use                            | Feb urban use x 12          |       | 2,964 |
| Landscape / Outside Use               | (calculated)                |       | 2,657 |
| Unaccounted for Water                 | (calculated)                |       | 234   |

*Table 7*

***Annual Water Quantities Delivered Under Each Right or Contract***

| <b>Year</b> | <b>Federal Urban<br/>(acre-feet)</b> | <b>Federal Ag Water.<br/>(acre-feet)</b> | <b>State Water<br/>(acre-feet)</b> | <b>Local Water<br/>(acre-feet)</b> | <b>Transfers into District<br/>(acre-feet)</b> | <b>Other Water<br/>(acre-feet)</b> | <b>Total<br/>(acre-feet)</b> |
|-------------|--------------------------------------|--|------------------------------------|------------------------------------|--|------------------------------------|------------------------------|
| 2003        | 4,687                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,687                        |
| 2004        | 4,980                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,980                        |
| 2005        | 4,759                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,759                        |
| 2006        | 5,338                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 5,338                        |
| 2007        | 5,728                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 5,728                        |
| 2008        | 4,715                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,715                        |
| 2009        | 4,410                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,410                        |
| 2010        | 4,330                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,330                        |
| 2011        | 4,380                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,380                        |
| 2012        | 5,859                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 5,859                        |
| Total       | 49,186                               | 0  | 0                                  | 0                                  | 0  | 0                                  | 49,186                       |
| Average     | 4,919                                | 0  | 0                                  | 0                                  | 0  | 0                                  | 4,919                        |

**Attachment F**  
**Groundwater Management Plan (N/A)**

**Attachment G**  
**Groundwater Banking Plan (N/A)**

**Attachment H**  
**Notices of City Education Programs and Available Services**





- Welcome
- Events Calendar
- City Directory
- Contact Us

#### Water Watch 2014

##### Stage 2 - Key Water Conservation Measures

The following water conservation measures are needed to make the most of our watersupply, which has been reduced by 37% because of the drought. More than 70% of our annual water use takes place outside the home.

The measures below will help us make the most of our precious water supply this year

1. There shall be no water hose washing of sidewalks, walkways, driveways, parking areas, patios, porches or verandas.
2. Outdoor watering for lawns and gardens is restricted to the following schedule:
  - a. No outdoor watering on Sunday, Monday and Thursday.
  - b. No outdoor watering between 9:00 a.m. and 6:00 p.m Sunday - Saturday.
  - c. Even addresses outdoor watering is allowed on Tuesday and Friday.
  - d. Odd addresses and non-residential customers (irrespective of address) outdoor watering is allowed on Wednesday and Saturday.
3. Emptying your swimming pool requires permission and will only be granted onetime during a 12-month period.
4. The use of a water hose for outdoor watering with a shut-off valve shall bepermitted at any time.
5. Failure to follow these measures and the other measures in the City's Water Conservation Ordinance will lead to an initial warning and then monetary fine and up to shutting off your water service.

We are going to share information with the community weekly on how we are doing. We hope that by sharing this information we may not have to go to Stage 3 where there's no watering outside whatsoever.

During the Drought - Make Every Drop of Water Count!

##### PDF Files:

- 2014 Water Use Date to Date (Updated 6-9-2014)
- 2014 Year to Date Water Usage
- March 2014 Water Use

#### WEATHER

81°  
Sunny  
+ 10-Day Forecast  
+ Sun Day Status  
+ Traffic Conditions

#### QUICK LINKS

Select a Quick Link

#### FEATURED CONTENT





# The City of Coalinga is pleased to offer our residents a **Comprehensive Water Conservation Kits!**

The City of Coalinga comprehensive Water Conservation Kit is a water saving kits developed to mitigate water consumption and combat declining ground and surface water levels. This water saving kit contains easy to use water saving products and information to help ease residents drought related anxieties and better manage and reduce their own home water usage. The **City of Coalinga Water Conservation Kit** contains all water saving items listed below:

## **Each Kit Contains:**

- (1) 2.0 GPM Water Saving Spoiler™ Showerhead
- (1) 1.5 GPM Water Saving Bath Faucet Aerator
- (1) 2.0 GPM Water Saving Faucet Aerator
- (1) Toilet Tummy® - Toilet Tank Water Saver
- (1) Leak Detection Dye Tablets
- Installation Instructions with Water Saving Tips

Do **your** part to help us conserve our Valleys greatest resource: water!



**CITY OF COALINGA**  
*The Sunnyside of the Valley*

**Attachment I**  
**2012 Annual Potable Water Quality Report**

# CITY OF COALINGA



## 2012 Consumer Confidence Report

### Annual Drinking Water Quality Report For 2012

This report is designed to inform you about the quality of water delivered to you every day. It is our constant goal to provide you with a safe and dependable supply of water, and we want you to understand the efforts we make to continually improve the water treatment and distribution process and protect our water resources. We are committed to ensuring the quality of your water. For those new to the community, the City receives its water supply through a contract with the United States Bureau of Reclamation. This water is conveyed to the City's Water Treatment Plant from the Coalinga Canal, which originates at the California Aqueduct.

The purpose of this document is to report water quality and compare our water quality to Federal and State regulations. In an effort to bring consistency to water quality reporting, the State Department of Public Health, Drinking Water Field Operations Branch, which has regulatory authority, has issued guidelines for all water agencies to use in providing water quality information to customers. Water Quality Reports are now only required to report those contaminants detected during sampling. The City's Utility Department sampled for many contaminants during 2012 and is providing analysis results that we feel might be of interest to our customers in addition to those mandated by the State.

If you have any questions about this report or concerning your water utility, please call the City of Coalinga Water Treatment Plant at 935-2981. If you want to learn more, you are encouraged to attend any of the regularly scheduled City Council Meetings. The City Council meets on the first and third Thursdays of each month, starting at 7:00 p.m., in the City Council Chambers located at 155 W. Durian. If you cannot attend, you can watch a videotaped re-play of the most recent meeting on Friday evenings at 7:00 p.m on cable channel 4.

Sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity. All drinking water, including bottled water, may be reasonably expected to contain at least small amounts of some contaminants. It is important to remember that the presence of these contaminants does not necessarily pose a health risk.

Contaminants that may be present in our source water include:

- a. Microbial contaminants, such as viruses and bacteria that may come from sewage plants, septic systems, agricultural livestock operations, and wildlife.
- b. Inorganic contaminants, such as salts and metals, that can be naturally- occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- c. Pesticides and herbicides that may come from a variety of sources such as agricultural, urban storm water runoff, and residential uses.
- d. Organic chemical contaminants, including synthetic and volatile organic chemicals that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
- e. Radioactive contaminants, that can be naturally occurring or be the result of oil and gas production and mining activities.

To help you better understand the many terms and abbreviations in Tables 1 and 2, the following definitions are provided:

*Parts per million (ppm) or Milligrams per liter (mg/L)* -one part per million corresponds to one minute in two years or a single penny in \$10,000.

*Parts per billion (ppb) or Micrograms per liter (ug/L)* -one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

*ND*: Not detectable at testing limit.

*Million Fibers per Liter (MFL)* – million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

*Nephelometric Turbidity Unit (NTU)* – nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

*Regulatory Action Level (RAL)* – the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

*Maximum Contaminant Level (MCL)* – The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

*Maximum Contaminant Level Goal (MCLG)*: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

*Primary Drinking Water Standards (PDWS)*: MCLs or MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

*Secondary Drinking Water Standards (SDWS)*. *MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.*

*Treatment Technique (TT)*: A required process intended to reduce the level of a contaminant in drinking water. The Coalinga Water Treatment Plant uses “Conventional Treatment” or Complete Treatment to treat the water. This treatment refers to the combined processes of Coagulation, Flocculation, Sedimentation, Filtration, and Disinfection.

*Public Health Goal (PHG)* – the level of a contaminant in drinking water below which is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

*Maximum Residual Disinfectant Level (MRDL)*: The level of a disinfectant added for water treatment that may not be exceeded at the consumer’s tap.

The City of Coalinga routinely monitors for contaminants in your drinking water according to Federal and State laws. Tables 1 through 5 show results of our sampling for the period of January 1 to December 31, 2012.

**Table 1 – Sampling Results showing the detection of Coliform Bacteria**

| Contaminant (units)     | Violation Y/N | Highest Single Value | MCL                                      | MCLG | Likely Source Of Contaminant         |
|-------------------------|---------------|----------------------|--|------|--------------------------------------|
| Total Coliform Bacteria | N             | absent               | > than 1 sample with detection per month | 0    | Naturally present in the environment |

**Table 2 – Sampling Results showing the detection of Lead and Copper**

| Lead and Copper | No. of samples collected | 90 <sup>th</sup> percentile level detected | No. sites exceeding AL | RAL   | MCLG  | Typical Source of Contamination  |
|-----------------|--------------------------|--|------------------------|-------|-------|--|
| Lead (ppm)      | 35                       | ND   | 0                      | 0.015 | 0.002 | Internal corrosion of household plumbing; erosion of natural deposits; discharge from industrial manufacturers |
| Copper (ppm)    | 35                       | 0.43                                       | 0                      | 1.3   | 0.3   | Internal corrosion of household plumbing; erosion of natural deposits; leaching from wood preservatives        |

**Table 3 – Sampling Results for Sodium and Hardness**

| Chemical or Constituent | Sample Date | Level Detected | Range of Detections | MCL  | PHG (MCLG) | Typical Source of Contamination            |
|-------------------------|-------------|----------------|---------------------|------|------------|--|
| Sodium (ppm)            | 10/9/2012   | 86             | 41 to 86            | none | none       | Generally found in ground & surface water. |
| Hardness (ppm)          | 4/10/2012   | 140            | 95 to 140           | none | none       | Generally found in ground & surface water. |

**Table 4 – Detection of contaminants with a Primary Drinking Water Standard**

| Chemical or Constituent and reporting units | Sample Date            | Level Detected | Range of Detections | MCL | PHG (MCLG) | Typical Source of Contamination  |
|---|------------------------|----------------|---------------------|-----|------------|--|
| Arsenic (ppb)                               | 1/10/2012              | ND             | ND                  | 10  | 0.004      | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes.  |
| Fluoride (ppm)                              | Constant sample stream | .81            | .75 to .90          | 2.0 | 1          | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories.                                     |
| Selenium (ppb)                              | 1/10/2012              | ND             | ND                  | 50  | 50         | Discharge from petroleum, glass and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots |
| Nitrate (ppm)                               | 4/10/2012              | 2.7            | ND to 2.7           | 10  | 10         | Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits.   |

| <b>Disinfection Byproducts, Disinfectant Residuals, and Disinfection Byproduct Precursors</b> |                        |                       |                            |            |                   |  |
|---|------------------------|-----------------------|----------------------------|------------|-------------------|--|
| <b>Contaminant (and reporting units)</b>  | <b>Sample Date</b>     | <b>Level Detected</b> | <b>Range of Detections</b> | <b>MCL</b> | <b>PHG (MCLG)</b> | <b>Typical Source of Contaminant</b>             |
| TTHMs (Total Trihalomethanes) ppb   | Yearly running average | 59.5                  | 25 to 110                  | 80         | N/A               | By-product of drinking water chlorination        |
| Haloacetic Acids ppb  | Yearly running average | 15.0                  | 12 to 28                   | 60         | N/A               | Byproduct of drinking water disinfection.        |
| Free Chlorine ppm<br>Primary Disinfection   | Constant sample stream | 1.16                  | 0.85 to 3.6                | 4.0        | 4.0               | Drinking water disinfectant added for treatment. |
| Chloramines ppm<br>Secondary Disinfection   | Constant sample stream | 3.29                  | 3.01 to 3.77               | 4.0        | 4.0               | Drinking water disinfectant added for treatment. |
|   |                        |                       |                            |            |                   |  |

**Table 5 – Detection of Contaminants with a Secondary Drinking Water Standard**

| <b>Contaminant (and reporting units)</b> | <b>Sample Date</b> | <b>Level Detected</b> | <b>Range of Detections</b> | <b>MCL</b>    | <b>PHG MCLG</b> | <b>Typical Source of Contaminant</b>  |
|--|--------------------|-----------------------|----------------------------|---------------|-----------------|---|
| Color (Color Units)                      | 1/10/2012          | ND                    | ND                         | 15            | N/A             | Naturally-occurring organic materials.  |
| Corrositivity (Saturation Index)         | 10/9/2012          | -0.96                 | -.44 to -.96               | Non-corrosive | N/A             | Natural or industrially-influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors |
| Foaming Agents (MBAS) ppm                | 1/03/2012          | ND                    |                            | 500           | N/A             | Municipal and industrial waste discharges.  |
| Odor-Threshold                           | 1/10/2012          | ND                    | ND                         | 3.0           | N/A             | Naturally-occurring organic materials.  |
| Zinc (ppm)                               | Weekly             | 0.25                  | 0.25 to 0.30               | 5.0           | N/A             | Runoff/leaching from natural deposits; industrial wastes.   |
| Total Dissolved Solids (ppm)             | 7/18/2012          | 250                   |                            | 1000          | N/A             | Runoff/leaching from natural deposits.  |
| Specific Conductance (micromhos)         | 4/10/2012          | 640                   |                            | 2200          | N/A             | Substances that form ions when in water; seawater influence.  |
| Chloride (ppm)                           | 4/10/2012          | 110                   |                            | 600           | N/A             | Runoff/leaching from natural deposits; seawater influence.  |
| Sulfate (ppm)                            | 4/10/2012          | 80                    |                            | 600           | N/A             | Runoff/leaching from natural deposits; industrial wastes.   |

**Secondary Drinking Water Standards**-are established for aesthetic factors such as taste, odor, color, and not for health reasons. These standards are not mandatory.

| <b>TABLE 6 - DETECTION OF UNREGULATED CONTAMINANTS</b>  |                    |                       |                           |                                |
|---|--------------------|-----------------------|---------------------------|--------------------------------|
| <b>Chemical or Constituent</b><br>(and reporting units) | <b>Sample Date</b> | <b>Level Detected</b> | <b>Notification Level</b> | <b>Health Effects Language</b> |
| Boron   | 12/06/02           | 200.0000 UG/L         | 1 kpm                     |                                |
|   |                    |                       |                           |                                |
|   |                    |                       |                           |                                |

\*Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

**For Systems Providing Surface Water as a Source Of Drinking Water:**

*(Refer to page 1, "Type of water source in use" to see if your source of water is surface water or groundwater)*

| <b>TABLE 7 - SAMPLING RESULTS SHOWING TREATMENT OF SURFACE WATER SOURCES</b>                             |   |
|--|---|
| <i>Treatment Technique</i> <sup>(a)</sup><br>(Type of approved filtration technology used)               | Conventional Treatment  |
| Turbidity Performance Standards <sup>(b)</sup><br>(that must be met through the water treatment process) | <u>Turbidity of the filtered water must:</u><br>1 – Be less than or equal to 0.5 NTU in 95% of measurements in a month.<br>2 – Not exceed 1.0 NTU for more than eight consecutive hours.<br>3 – Not exceed 5.0 NTU at any time. |
| Lowest monthly percentage of samples that met Turbidity Performance Standard No. 1.                      | 100% of samples met standards   |
| Highest single turbidity measurement during the year   | <b>0.06</b> NTU   |
| Number of violations of any surface water treatment requirements   | ZERO  |

(a) A required process intended to reduce the level of a contaminant in drinking water.

(b) Turbidity (measured in NTU) is a measurement of the cloudiness of water and is a good indicator of water quality and filtration performance. Turbidity results which meet performance standards are considered to be in compliance with filtration requirements.

- Any violation of a TT is marked with an asterisk. Additional information regarding the violation is provided earlier in this report.

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

If you have any questions regarding this information, please call the City of Coalinga Water Treatment plant at 935-2981.