



LOCKEFORD COMMUNITY SERVICES DISTRICT

17725 N. TULLY RD
POST OFFICE BOX 809
LOCKEFORD, CA 95237-0809
(209) 727-5035 FAX (209) 727-5204

August 18, 2017

SGMA	Sustainable Groundwater Management Act
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
JPA	Joint Powers Authority
DWR	California Department of Water Resources

In a response to the recurring drought, the California Legislature approved and the Governor signed the **2014 Sustainable Groundwater Management Act**. SGMA requires groundwater basins in California to become sustainable (annually recharging the groundwater aquifer in an equal amount that is withdrawn). Failure to do so could result in the California State Water Resources Control Board assuming control of local operations and levying financial fees against the local entity.

Lockeford Community Services District is in the Eastern San Joaquin River Sub-basin and has been designated by the California Department of Water Resources as the Groundwater Sustainability Agency for its service area. Lockeford CSD is cooperatively working with 16 other GSAs in the Sub-basin to develop a Groundwater Sustainability Plan to meet the goal of groundwater sustainability as mandated by SGMA.

This cooperative effort began in 2015 and has resulted in the formation of a Joint Powers Authority comprised of 17 GSAs within the Sub-basin. Forming the JPA provides the GSAs the opportunity to develop a single GSP covering the Sub-basin and avoiding the SGMA requirement that would have each GSA form its own GSP. The JPA represents the opportunity to curtail costs that would otherwise be borne by the individual GSA.

Preliminary estimates to develop a GSP by the JPA is \$3 million. Efforts are currently underway by the JPA to secure a matching-fund grant from DWR. This grant would pay for half the cost of the GSP development. **Example:** if the GSP total cost is \$3 million, DWR would pay \$1.5 million and the JPA would pay \$1.5 million. Discussions are currently underway that would determine how the \$1.5 million cost would be apportioned among the 17 GSAs.

Since the Eastern San Joaquin River Sub-basin is identified as a critically over drafted basin (more water is pumped from the aquifer than is recharged on an annual basis), the deadline for submitting its GSP to DWR is Jan. 31, 2020. Once submitted and accepted, the GSP would undergo reviews every five years to evaluate its status.

Further information about the JPA may be found on its website: <http://www.esjgroundwater.org>

Lockeford Community Services District

The District was formed in 1976 with groundwater as its sole source of supply. It currently serves 725 residential customers, 15 multi-family (apartments) and 83 commercial customers within its service area. Four wells are located within its boundaries that are interconnected to provide water to the District's customers. No other water source is currently available to the District.

The estimated number of gallons consumed daily by each resident in the service area is 126.

In April 2015, Governor Jerry Brown issued Executive Order B-29-15 that mandated urban water districts to reduce their water usage by 25 percent. In order to reach that goal and not to negatively affect the safety and health of residents by curtailing their personal consumption, the District's board of directors opted to reduce the outdoor use of water. Current restrictions to the outdoor use of water are:

May – October	Twice a week; Sundays and Wednesdays only
November – April	Once a week; Sundays only

The once-a-week schedule recognizes cooler temperatures and rainfall.

These guidelines for outdoor water use follow the restrictions established by the State Water Resources Control Board.

Groundwater levels

The groundwater level has significantly dropped in recent years due to drought conditions. The following depicts the drop in water levels for the District's four wells from April to October, which represents the months of heaviest usage of water by the District's customers:

	Tower	Bear Creek	Bluffs	Jack Tone
2011	-5.5'	-5.0'	-4.0'	-4.0'
2012	-9.0'	-10.0'	-9.0'	-9.0'
2013	-6.5'	-8.5'	-6.5'	-6.5'
2014	-5.5'	-8.0'	-7.5'	-7.5'
2015	-6.5'	-9.0'	-7.5'	-7.5'
2016	-8.0'	-10.0'	-9.0'	-8.0'

The following provides a look at the groundwater level for each well during the month of April:

	Tower	Bear Creek	Bluffs	Jack Tone				
2011	125.5'	130.0'	130.0'	124.5'				
2012	126.0'	-0.5'	130.0'	----	129.5'	+0.5'	124.0'	+0.5'
2013	130.5'	-4.5'	134.5'	-4.5'	134.0'	-4.5'	128.5'	-4.5'
2014	135.0'	-4.5'	137.0'	-2.5'	136.5'	-2.5'	131.0'	-2.5'
2015	135.5'	-0.5'	139.5'	-2.5'	139.0'	-2.5'	133.5'	-2.5'
2016	136.0'	-0.5'	140.5'	-1.0'	139.0'	----	134.5'	-1.0'
2017	137.0'	-1.0'	141.5'	-1.0'	141.0'	-2.0'	135.0'	-0.5'