

California Oil and Gas Water Production and Use

2015 Summary

2015 Volumes

	Acre Feet	Barrels	Gallons
Barrels	0.0001288	1	42
Acre Foot	1	7,762	326,000
Produced Water	379,706	2,947,241,810	123,784,156,000
Produced Water Suitable for Use	12,896	100,097,524	4,204,096,000
Water Injected	299,382	2,323,774,571	97,598,532,000
Injected Water Suitable for Use	5,455	42,341,190	1,778,330,000
Water in Storage	21,034	163,263,905	6,857,084,000
Water in Storage Suitable for Use	3,071	23,836,810	1,001,146,000
Fresh Water Used	3,943	30,605,190	1,285,418,000
California Annual Domestic Use	80,000,000	620,952,380,952	26,080,000,000,000

Quarterly Data

	Q1	Q2	Q3	Q4	2015 Total
Produced Water	65,535	103,317	104,911	105,943	379,706
Produced Water Suitable for Use	1,688	6,444	2,382	2,382	12,896
Water Injected	41,402	70,268	93,110	94,602	299,382
Injected Water Suitable for Use	292	1,415	1,735	2,013	5,455
Water in Storage	4,783	6,085	5,157	5,009	21,034
Water in Storage Suitable for Use	670	1,341	512	548	3,071
Fresh Water Used	1,535	1,363	497	548	3,943

All Volumes in Acre Feet

4th Quarter 2015

Water Disposal Methods

CODE	WATER DISPOSAL METHODS	TOTAL VOLUME	PORTION SUITABLE FOR DOMESTIC OR IRRIGATION
01	Sump (unlined)	816	51
02	Sump (lined)	13	0
03	Surface water discharge	174	0
04	Domestic sewer system	530	7
05	Subsurface injection	86,013	1,589
06	Other (commercial disposal, industrial, etc...)	2,087	0
07	Sale/transfer for oil field use	3,707	279
08	Surface land discharge	131	13
09	Oil field facilities use	414	0
10	Well stimulation treatment	2,057	0
11	Sale/transfer for domestic use	9,654	443
12	Well drilling, rework, and abandonment	346	0
TOTAL		105,943	2,382

All Volumes in Acre Feet

4th Quarter 2015

Water Source

CODE	SOURCES OF WATER	TOTAL VOLUME	PORTION SUITABLE FOR DOMESTIC OR IRRIGATION
01	Oil or gas well produced	86,254	146
02	Oil field water source well	1,369	1
03	Domestic fresh water system	1,048	733
04	Surface Water	433	433
05	Class II Industrial waste	39	0
06	Domestic recycled water	488	488
07	Other	147	0
08	Sale/transfer oil field produced	2,987	146
09	Recycled well stimulation treatment	1,757	0
10	Recycled other class II fluid	81	66
11	Recycled class II from well work operations	0	0
TOTAL		94,602	2,013

All Volumes in Acre Feet

4th Quarter 2015

Stored Water Intended Use

CODE	TYPES OF INTENDED USE	TOTAL VOLUME	PORCION SUITABLE FOR DOMESTIC OR IRRIGATION	PORCION OF WATER IN STORAGE
01	Sump (unlined)	1,907	0	1,907
02	Sump (lined)	0	0	0
03	Surface water discharge	1,103	0	1,103
04	Domestic sewer system	22	0	22
05	Subsurface injection	576	125	450
06	Other (commercial disposal, industrial, etc...)	60	0	60
07	Sale/transfer for oil field use	300	19	281
08	Surface land discharge	172	64	108
09	Oil field facilities use	371	319	51
10	Well stimulation treatment	21	6	15
11	Sale/transfer for domestic use	1	0	1
12	Well drilling, rework, and abandonment	33	7	25
TOTAL		4,564*	542	4,022

*445 acre-feet of water did not have an appropriate intended use code.