



## **CCWD Overview**







5,000+
Wastewater

Connections





Wastewater **Treatment Facilities** 





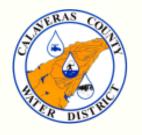
Training for Fire Department Staff is key

Annual Budget for Hydrant Inspection: \$56,625 Lack of fire hydrant operation training can wreak havoc on the system

- Can stir up settled iron and manganese
- Can create an un-manageable amount of water quality complaints
- Can drop homeowners' pressure critically low
  - Water system violations
  - Opportunity for back siphonage
  - Bacteriologic violations



## Fire Hydrant Inspections



 CCWD Pays the Fire Depts \$25 to inspect District Hydrants This is a great way for fire fighters to become familiar with the water system.

Calaveras Consolidated



Fire Department
Fire Hydrants

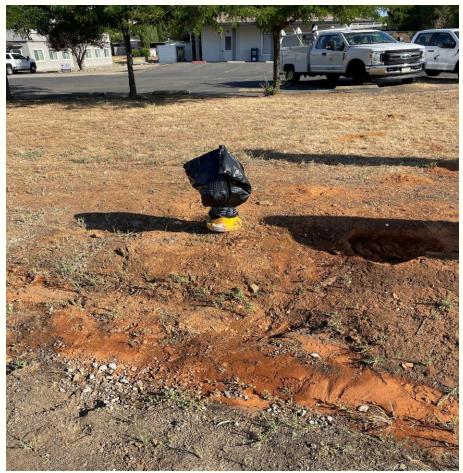
	CCWD Hydrants												
nts are in	anact	ad fo	<b>Y</b> _		Calaveras Co	nsolidated F	ire		0.000				
	Hycrant #		13	14	15	16	17	18	19	20	21		
<b>Operating</b>		ditio	10741 M ton	10341 Milton	10241 Milton	9971 Milton	9898 Milton	11558 Milton	11087 Main St.	11763 Main St.	9103 Maii St.		
	Body Type	ADV	ADV	ADV	ADV	ADV	ADV	Kennedy	Aniston	Aniston	Aniston		
Ease o	Ff Colons	~	3	3	3	3	3	3	2	2	2		
	utlacti	25 B 4"	2x2 1/2" 4"	2x2 1/2" 4"	2x2 1/2" 4"	2x2 1/2" 4"	2x2 1/2" 4"	2x2 1/2" 4'	2x2 1/2"	2x2 1/2"	2x2 1/2		
	Cap	Χ	Х	Х	Х	X	Х	Х	Х	Х	X		
Roadway	Thread	X	X	X	Х	Х	Х	X	Х	X	X		
KNAMAV			X	X	X	X	Х	X	X	Х	X		
I way	Washer	CLX	X	X	Х	X	X	X	X	Х	X		
	Threads	Χ	X	X	Х	X	X	X		X	X		
Burrson	Greased	Χ	X	X	Х	X	X	X	X	X	X		
HITS ON (		read	T X	X	Х	X	X	X	X	X	X		
Hyd	rant i ims Off	- ÇU	Х	X	Х	X	X	X	X	X	X		
	Blue Dot	Χ	X	X	Х	X		X	X	X	X		
Character	Area Clear	Х	X	X	Х	X	X	X	X	X	X		
Stems a	are lu		100	105	105	105	105	100	100		100		
	Paint	Х	X	X	х	×	x	×	×	x	×		
atic press	sure is	5400	ged	38.05.41N 120.53.41W	38.05.5 <b>1N</b> 120.53. <b>57W</b>	38.05.49N 120.54.13W	38.05.47N 120.59.29W	38.05.48N 120.52.26W	38.05.45N 120.52.18W	38.05.41N 120.52.12W	35.05.38N 120.52.09V		
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Paint condition

# Annual Fire Hydrant Inspections are provided to the District

STATE DISTRICT

Difficult to operate and broken hydrants are identified



**CCWD** Staff then work to correct the issue



# Annual Fire Hydrant Inspections are provided to the (District

STERAS CORP.

The lack of guard valves on Fire hydrants is a huge District issue



**CCWD** Staff then work to correct the issue



### District Staff continually work to improve the hydrants

Distribution Crews are always working to optimize our Systems



in cur systems

That work includes guard valve installation and hydrant repair



## District Staff continually work to improve the hydrants

Distribution Crews are always working to optimize our Systems



in cur systems

The integrity of our systems is important to all of us at CCWD



# Effective operation helps to reduce water quality issues

Naturally occurring iron and manganese in the source water is difficult to filter



High-velocity flushing during fire hydrant inspections diminishes our customers confidence in our water systems



# Effective operation helps to reduce water quality issues

District Staff routinely flush our systems to minimize water quality issues for all conditions



That way, the system is best prepared to provide clean, wholesome water at all times. Even during high velocity periods like fires



#### Insurance Services Office

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- An ISO Score
   is also called
   a Public
   Protection
   Classification
   (PPC)
- An ISO assessment occurs every 4 to 5 years

A fire department's ISO rating is a determination by the Insurance Services
Office by how well your department is able to serve the community. You're
assigned a score between 1 and 10, with lower numbers indicating a better
score. High ISO scores can increase home insurance rates in the community.

In this informative guide, we'll tell you everything you need to know about your fire department's ISO score, including the criteria you're scored on, how to make sense of your score, what the ramifications of a



high score are, and if you can do anything to better your ISO rating.



#### Insurance Services Office (ISO) and Fire Protection

#### Public Protection Classification (PPC⊚) Summary Report

**Ebbetts Pass FD** 

California (N)

Prepared by

Insurance Services Office, Inc. 1000 Bishops Gate Blvd., Ste. 300 P.O. Box 5404 Mt. Laurel, New Jersey 08054-5404 1-800-444-4554

Report Created December 2022 Effective April 1, 2023

PPC is a registered trademark of Insurance Services Office, Inc

#### ISO rankings have a direct impact on Insurance Rates

#### The Water System Accounts for 40% of the ISO Score

- System supply accounts for 30 credits
- Fire hydrants account for 3 credits
- Inspection and flow testing account for 7 credits

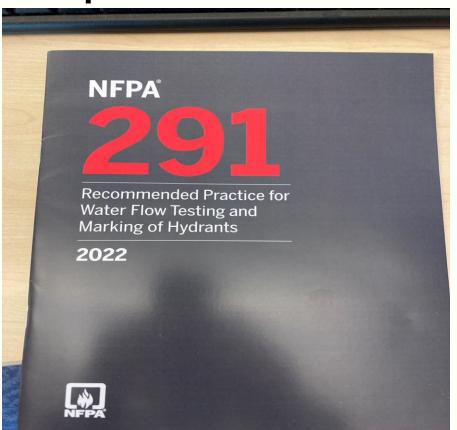
## CCVD works closely with the Departments to ensure optimal scores

#### Other factors that contribute to the ISO Score

- 50% of the score is the quality of the Fire Department.
- 10% is the quality of the Emergency Communications Systems
- A bonus for 5.5% comes from community outreach including fire prevention and safety courses

# District Assistance Helps improve ISO Ratings

 Both Capital Projects and Operational efforts help to improve ISO Scores



Field Crews often assist in fire flow testing for Departments to improve ISO scores

#### INSURANCE SERVICES OFFICE, INC. HYDRANT FLOW DATA SUMMARY

community	Ebbetts Pass	s Fd		California	-			1 000						
County	California (	N)(Calaveras),	State	(N) (04)	- "	/itnessed by:	Insurance Se	rvices Offic	e		Survey Date:	July 12, 2022	•	
	TEST TYPE TEST LOCATION NO. DIST.*			FLOW - GPM Q=(29.83(C(d')p <sup>0.3</sup> ))				PRESSURE PSI		FLOW -AT 20 PSI				
TEST NO.			SERVICE	INDIVIDUAL HYDRANTS			TOTAL	STATIC	RESID.	NEEDED	AVAIL.	REMARKS***	MODEL TYPE	FLOW TEST DATE
1		Cypress Point	Blue Lake Springs Mutual WC, Main	2020	0	0	2020	132	120	3500	6700	(C)-(3182 gpm)	FTPC	07/15/2022
2		Blagen and Hwy 4	Calaveras County Water District, Sawmill	1500	0	0	1500	100	65	2500	2300	(B)-(1375 gpm)	FTPC	07/15/2022
3		Manuel and Sequoia	Calaveras County Water District, Sawmill	1430	0	0	1430	90	60	1250	2300		FTPC	07/15/2022
4		2050 Hwy 4	Calaveras County Water District, Sawmill	1430	0	0	1430	125	60	2250	1900	(B)-(1375 gpm)	FTPC	07/15/2022
5		2445 Silver	Calaveras County Water District, Meadowmont	1500	0	0	1500	90	30	1500	1600		FTPC	07/15/2022
6		1290 Pine	Calaveras County Water District, Meadowmont 13	1560	0	0	1560	75	40	1500	2000	(B)-(548 gpm)	FTPC	07/15/2022
7		1743 Pine Cone	Calaveras County Water District, Pinebrook	2070	0	0	2070	120	95	1500	4400	(B)-(1393 gpm)	FTPC	07/15/2022
8		Moran and Hwy 4	Calaveras County Water District, Avery	1500	0	0	1500	120	100	2250	3600	7000	FTPC	07/15/2022
9		Meadowview and Hwy 4	Calaveras County Water District, Sawmill	1150	0	0	1150	85	40	2000	1400	(B)-(1375 gpm)	FTPC	07/15/2022
10		4960 Commercial	Calaveras County Water District, Avery	2340	0	0	2340	170	90	3000	3300		FTPC	07/15/2022
11		5121 Darby Russell	Calaveras County Water District, Forest Meadows	1750	0	0	1750	110	45	1000	2100		FTPC	07/15/2022
12		1097 Dogwood	Calaveras County Water District, Forest Meadows	1750	0	0	1750	60	40	1250	2500		FTPC	07/15/2022
13		3790 Apache	Calaveras County Water District, Big trees 60k	1500	0	0	1500	40	25	1500	1800	(B)-(912 gpm)	FTPC	07/15/2022
14		Sioux and Chinook	Calaveras County Water District, Big Trees 1/3	2020	0	0	2020	55	18	1500	2000		FTPC	07/15/2022
15		Hwy 4 and Sugarpine	Calaveras County Water District, Forest Meadows	1690	0	0	1690	65	30	1500	1900		FTPC	07/15/2022
16		5441 Meko	Calaveras County Water District, Forest Meadows	1810	0	0	1810	60	30	1750	2100		FTPC	07/15/2022

THE ABOVE LISTED REEDED FIRE FLOWS ARE FOR PROPERTY INSURANCE PREMIUM CALCULATIONS ONLY AND ARE NOT INTENDED TO PREDICT THE MAXIMUM AMOUNT OF WATER REQUIRED FOR A LARGE SCALE FIRE COMMITTED FOR A LA

"Needed is the rate of flow for a specific duration for a full credit condition. Needed Fire Flows greater than 3,500 gpm are not considered in determining the classification of the city when using

THE AVAILABLE FLOWS ONLY INDICATE THE CONDITIONS THAT EXISTED AT THE TIME AND AT THE LOCATION WHERE TESTS WERE WITNESSED.

Suppression Rating Schedule.

<sup>414 (</sup>A)-Limited by available hydrants to gpm shown, Available facilities limit flow to gpm shown plus consumption for the needed duration of (B)-2 hours. (C)-3 hours or (D)-4 hours.



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