



THIS SIDE OF CARD IS FOR ADDRESS

Before the Railroad Commission of the State of California

JUL 14 1919

In the Matter of the Application of JAMES A. MURRAY, WILLIAM G. HENSHAW, and ED FLETCHER, Co-partners doing business under the Firm Name and style of the Cuyamaca Water Company, for an order authorizing and permitting them to place a surcharge upon their present rentals, tolls and charges for water furnished by them, such surcharge being necessary on account of the increased cost of labor and material.

NOTICE OF HEARING

NOTICE IS HEREBY GIVEN THAT the Railroad Commission of the State of California has set a hearing in the above entitled application for Tuesday at 9 A. M., July 22, 1919, in the Federal Court Room, San Diego, California, at which time and place all interested parties may appear and be heard.

By order of the Railroad Commission.

W. R. WILLIAMS,

Secretary Railroad Commission of the State of California.

*Lemon Grove Mutual Water Co
August 13, 1919 at 9.35 am*

*was 25505060 cuft
- 34310650*

*1,800,110 cuft used Aug 1-13 cuft
1,38,470 ft per day for 11 days = 1,523,170*

RULE 10a.

"Applications for commencement of water service for irrigation on lands not at the time under service will be considered in the order in which they are received by the company. Service will be granted to the extent that the company finds water available, basing its determination upon the use of water in the preceding year. If then a shortage develops, theretofore established users of water for irrigation may, during the time of shortage, be limited to the amount of water used in the preceding season."

O f f i c e
Sept. 2nd, 1919

Mr. Mathews:

Please take this over and get receipt
for it.

E.F.

*Received motion for re hearing of
surcharge decision*

Charles C. Crouch

SEP 3 1919

JUL 18 1919

Before the Railroad Commission of the State of California

In the Matter of the Application of Jas. A. Murray, Wm. G. Henshaw and Ed Fletcher, co-partners, doing business under the firm name and style of the Cuyamaca Water Company, for an order authorizing and permitting an increase in the rentals, tolls and charges for water furnished by them and service rendered by them in furnishing water in the County of San Diego, State of California.

} Application No. 4515.

In the Matter of the Application of Jas. A. Murray, Wm. G. Henshaw and Ed Fletcher, doing business under the firm name and style of the Cuyamaca Water Company, for an order authorizing and permitting them to place a surcharge upon their present rentals, tolls and charges for water furnished by them, such surcharge being necessary on account of the increased cost of operation.

} Application No. 4670.

NOTICE OF HEARING

NOTICE IS HEREBY GIVEN that the Railroad Commission of the State of California has set a hearing in the above entitled matters before Commissioner Martin on Tuesday, July 22, 1919, at 9:00 A. M., in the Federal Court Room, Postoffice Building, San Diego, California, at which time and place all interested parties may appear and be heard.

By order of the Railroad Commission.

Dated at San Francisco, California, this 14th day of July, 1919.

W. R. WILLIAMS, Secretary,
Railroad Commission of the State of California.

RECEIVED
JUL 16 1919

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIA

Robert Ross, et al.,

Complainants,

vs.

Jas. A. Murray, Ed Fletcher
and Wm. G. Henshaw, co-partners,
doing business under the firm
name and style of Cuyamaca Water
Company,

Defendants.

Case No. 1272.

NOTICE OF HEARING ON LESS THAN TEN DAYS' NOTICE

To--

Robert Ross, et al.,

and their Attorneys,

George & McCoy, Central Mortgage Bldg.,
San Diego, California.

Cuyamaca Water Company,
Ed Fletcher, Mgr.,
Fletcher Bldg.,
San Diego, Cal.

You and each of you are hereby notified that the Railroad Commission of the State of California, being of the opinion that public convenience and necessity require that a hearing be held on less than ten days' notice, has set a hearing in the above entitled matter before Commissioner Martin on Tuesday, July 22, 1919, at 9:00 A.M., in the Federal Court Room, Postoffice Bldg., San Diego, California, at which time and place you may appear and be heard.

By order of the Railroad Commission.

Dated at San Francisco, California, this 14th day
of July, 1919.

A. S. Matheson
Assistant Secretary
Railroad Commission of the
State of California.

Card to Lucius P. Barrow

RECEIVED
JUL 16 1919

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIA.

In the Matter of the Application of
 Jas. A. Murray, Wm. G. Henshaw and
 Ed Fletcher, co-partners, doing
 business under the firm name and
 style of the Cuyamaca Water Company,
 for an order authorizing and permit-
 ting an increase in the rentals, tolls
 and charges for water furnished by
 them and service rendered by them in
 furnishing water in the County of
 San Diego, State of California.)
)
) Application No. 4515.
)
)
)

In the Matter of the Application of
 Jas. A. Murray, Wm. G. Henshaw and
 Ed Fletcher, doing business under the
 firm name and style of the Cuyamaca
 Water Company, for an order authorizing
 and permitting them to place a surcharge
 upon their present rentals, tolls and
 charges for water furnished by them,
 such surcharge being necessary on account
 of the increased cost of operation.)
)
) Application No. 4670.
)
)
)

NOTICE OF HEARING

To,

Cuyamaca Water Co., Ed Fletcher Mgr.,
 Fletcher Bldg., San Diego, Cal.
 Jas. A. Murray, Monterey, Cal.
 Wm. G. Henshaw, Title Insurance Bldg.,
 Los Angeles, California,

And their Attorney,

Chas. C. Crouch, Owl Bldg., San Diego, Cal.

George & McCoy, Attorneys for protestants,
 612-614 Central Mtg. Bldg., San Diego, Cal.
 Board of Supervisors, San Diego, California.
 T. B. Cosgrove, City Attorney, San Diego, Cal.

You and each of you are hereby notified that the
 Railroad Commission of the State of California has set a hearing
 in the above entitled matters before Commissioner Martin on
 Tuesday, July 22, 1919, at 9:00 A.M., in the Federal Court Room,
 Postoffice Bldg., San Diego, California, at which time and place
 you may appear and be heard.

By order of the Railroad Commission.
 Dated at San Francisco, California, this 14th day
 of July, 1919.

A. M. Martin
 Assistant Secretary Railroad
 Commission of the State of
 California.

Card to Custodian
Postoffice Bldg.

BEFORE THE RAILROAD COMMISSION
OF THE STATE OF CALIFORNIA

In the Matter of the Application of James A.)
Murray, William G. Henshaw, and Ed Fletcher, ()
Co-partners doing business under the Firm)
Name and style of the Cuyamaca Water Com- ()
pany, for an order authorizing and permit-)
ting them to place a surcharge upon their ()
present rentals, tolls and charges for water)
furnished by them, such surcharge being neo- ()
essary on account of the increased cost of)
labor and material.

NOTICE OF HEARING.

NOTICE IS HEREBY GIVEN that the Railroad Commission of the State of California has set a hearing in the above entitled application for Tuesday at 9 A. M., July 23, 1919, in the Federal Court Room, San Diego, California, at which time and place all interested parties may appear and be heard.

By order of the Railroad Commission.

W. R. WILLIAMS,

Secretary Railroad Commission of the State of California

(To run 3 issues)

In the Matter of the Application of)
James A. Murray, Wm. G. Henshaw and)
Ed. Fletcher doing business under)
the firm name and style of the)
Cuyamaca Water Company, for an order) Application No.4670.
authorizing and permitting them to)
place a surcharge upon their present)
rentals, tolls and charges for water)
furnished by them.)

REPORT OF HYDRAULIC DIVISION

JULY 22, 1919.

In the matter of the Application of James A. Murray, Wm. G. Henshaw and Ed. Fletcher doing business under the firm name and style of the Guymaca Water Company, for an order authorizing and permitting them to place a surcharge upon their present rentals, tolls and charges for water furnished by them.

Application No. 4670.

July 22, 1919.

REPORT OF HYDRAULIC DIVISION

It has been represented to the Commission that because of the extreme drought which caused a shortage in the impounded supply, it is necessary to install the El Monte pumping plant as an emergency measure in order to have a sufficient water supply to deliver consumers an adequate supply and prevent great loss to them. Applicant asks that a surcharge be established to enable it to install and operate this plant during the remainder of the year. It alleges that it is unable financially to install and operate this plant, unless such surcharge is granted.

BRIEF DESCRIPTION OF SYSTEM:

There are two principal impounding reservoirs, i.e., Murray or La Mesa and Guymaca. The Murray reservoir has a capacity of approximately 6,000 acre feet and Guymaca reservoir has a capacity of 11,000 acre feet.

From Cuyamaca reservoir water is discharged into Boulder Creek from which it is diverted by a small dam some 12 miles below. From the Diversion dam it is transmitted a distance of approximately 33 miles by wooden flumes, tunnels and siphons to two small distribution reservoirs known as Eucalyptus and Crescent or Murray Hill. Thence it is distributed thru pipes for irrigation and domestic uses.

The Murray reservoir, which is much lower in elevation than Cuyamaca reservoir, discharges its impounded water into wood and steel pipes which deliver it to the consumers. When needed the city of San Diego receives a portion of its supply from this reservoir.

The district served by Murray reservoir is known as the low service whereas the district below Eucalyptus reservoir, which receives its water supply from Cuyamaca reservoir, is known as the high service.

The service to consumers in the El Cajon Valley, thru which the flume passes, and to other consumers along its line, is known as "flume service". The different zones of service will be referred to in this report as above.

Near the City of La Mesa there is a pumping plant recently put into operation by the company to pump water from the low service to the high service. This plant is known as La Mesa Plant.

The El Monte pumping plant which it is now proposed to rehabilitate is located in the bed of the San Diego River, near the line of the flume at a point approximately 12 miles from Eucalyptus

reservoir. Applicant is now drilling five to seven wells from which the water supply will be obtained. This water will be lifted by a centrifugal pump approximately 320 feet and discharged into the flume.

AVAILABLE IMPOUNDED SUPPLY AND DRAFT

Tabulations attached hereto show the supply available, the draft and an estimate of the date when the impounded supply will be exhausted if the El Monte plant is not operated.

There is now available in Cayamaca Reservoir 178 million cubic feet and in Murray Reservoir 157 million cubic feet.

The supply available in Murray Reservoir is far in excess of the demands and even if the City of San Diego continues its use of 5 M.G. daily and La Mesa Pump Plant is operated continuously, from 50 to 60 million cubic feet will remain at the end of the season. Therefore no question arises at this time as to the adequacy of the supply under the so-called low service system.

If the draft occurs on the high service and the flume which the records show is probable the entire amount stored in Cayamaca will be exhausted approximately September 19th, if no water is pumped by the La Mesa Plant. If this plant is operated the entire supply would be exhausted by November 1st. Therefore, it is apparent that a new source of supply must be obtained.

Furthermore, it would be an unwise policy on the company's part and it would certainly not be fair to the consumers to permit the use of the entire stored supply before the rainy season sets in. There should be held in this reservoir at least 50 million cubic

feet for emergencies. In order to do this, it will be necessary to operate the El Monte pumping plant from the time of the completion of the installation until the end of the year or approximately 125 days and even then it is doubtful whether or not that quantity can be maintained in the reservoir. Therefore the El Monte plant should be installed and put into operation as soon as possible.

The El Monte plant which is now being installed will have a capacity of 238,000 cu.ft. per day, and a total output, if operated continuously until January 1st, 1920, of 39 million cubic feet. Therefore unless there is an appreciable rainfall in the latter part of November, it may be necessary to deplete Cuyamaca Reservoir below the 50 million cubic feet mark.

The El Monte pump plant was purchased in 1914 by the Cuyamaca Water Company for ^{\$ 8,500.} \$3500. The plant was later rebuilt and new equipment installed. This plant was seriously damaged by the floods of 1916 and has not been rebuilt and operated since that time.

It is now proposed to use some of the equipment formerly in place and by adding some additional materials rehabilitate the plant, locating the wells and plant in the stream bed of the San Diego River.

The cost of this rebuilding is in the nature of an extraordinary replacement or operating expense.

An estimate has been made of the cost of reconstructing and operating both the El Monte and La Mesa Plants. The actual cost or rebuilding the La Mesa plant is used. These estimates follow, the details of which are attached.

El Monte cost of installing.....\$ 5206.
El Monte cost of operating..... 10202.

LA BREA PLANT:

Cost of reconstructing.....\$ 297.
Cost of operating..... 1947.

It is planned to move the pump and motor each year from the new plant to a safe place during the flood season. This can be done at a comparatively nominal cost and is a necessary safeguard.

In conjunction with this report there is being submitted a report by the Commission's Auditing Department showing operating expenses, income and the financial status of the company.

Two tabulations showing the number of consumers and the quantities of water used by them for the past two years is also attached hereto.

It has been contended that the rates heretofore established by this Commission has materially decreased the use of water, and for the purpose of showing what has actually occurred a tabulation has been prepared which is attached showing the quantity of water used for each month during the past 3½ years, and rainfall at Eucalyptus Reservoir.

Water use however, is influenced by many factors, such as temperature, rainfall, growth of orchards, etc., and records of this type must be used with care and only with a full knowledge of conditions. For example, a rain in November, 1918, apparently materially decreased use.

The rates established by this Commission were effective

in April, 1917.

In conclusion, it appears that in order to deliver a sufficient supply of water to the irrigators El Monte Plant must be put into operation as soon as possible. It then remains for the Commission to determine whether or not this expenditure is of an extraordinary nature for which applicant should be recompensed in the form of a surcharge or whether it is the duty of the company to install and operate this plant without a surcharge being added.

Respectfully,

HYDRAULIC DIVISION.

By C. H. Loveland.

MURRAY RESERVOIR - 1918.

DATE	GAGE HT.	CONTENTS	DRAFT	GAIN	LOSS
Jan. 1st	67.8	74.9			
				5.9	
Feb. 1st	69.4	80.8			
				31.1	
Mar. 1st	76.8	111.9			
				43.6	
Apr. 1st	84.9	155.5			
				25.9	
May 1st	88.9	191.4			
					5.6
June 1st	89.05	175.8			
					11.1
July 1st	86.4	164.7			
					7.2
July 19th	85.2	157.5			

City started use of maximum of 3 million gallons per day on July 20th, this will be 12,000,000 cubic feet per month and use will continue for 3 months.

CUYAMACA RESERVOIR 1919

DATE	GAGE HT.	CONTENTS	DRAFT	EVAP. & SEEPAGE	GRAIN	LOSS
January 1st	27'-1 3/4"	221.0				
			0.0			0.6
February 1st	27'-1 1/2"	220.4				
			0.0		51.5	
March 1st	28'-4 1/4"	251.7				
			0.00		37.5	
April 1st	29'-4 3/4"	289.2				
			0.00			5.7
May 1st	29'-2 1/4"	283.5				
			7.47			26.3
June 1st	28'-6 3/4"	259.2				
			28.16			45.6
July 1st	26'-10 1/2"	213.4				
					Rain raised Lake 3"	33.4
July 19th	25'- 7"	160.0				

Quantities in Millions of Cubic Feet.

Water turned on May 13th, 1919, - June 8th, 1918.
 " " " June 26th, 1917, - Aug. 1st, 1916.
 " " " July 20th, 1915.

(Quantities in Millions of Cubic Feet)

Date	GUYAMACA RESERVOIR				Div. Dam	Rain at Cuya- masa	MURRAY RESERVOIR		
	Gage	Contents	Draft	Loss			Gage	Con- tents	Loss
July 16, 1919,	25'4-1/2"	175.0	1.27	1.5	1.23	0.25	85.5	159.5	0.0
17, "	25'7-1/2"	161.0	0.93	-6.0	1.53	1.00	85.5	159.3	0.0
18, "	25'-7"	160.0	0.93	1.0	1.56	0.00	85.4	158.7	0.6
19, "	25'6-1/2"	179.0	0.93	1.0	1.27	0.00	85.3	159.1	0.6
20, "	25' - 6"	178.0	0.93	1.0	1.02	0.00	85.1	156.9	1.2



CUYAMACA WATER COMPANY

QUANTITIES IN STORAGE, DRAFT AND

DEPLETION OF SUPPLY.

(Quantities in Millions of Cubic Feet)

Date	CUYAMACA RESERVOIR				Div. Dam Draft	Rain at Cuyamaca	MURRAY RESERVOIR		
	Gage	Contents	Draft	Loss			Gage	Contents	Loss
Jan. 1, 1919,	27' 1-3/4"	221.0					67.8	74.9	
Feb. 1,	"	220.4	0.0	0.6	7.67	0.67	69.4	80.8	- 5.9
Mar. 1,	"	251.7	0.0	-31.3	39.06	7.32	76.8	111.9	-51.1
Apr. 1,	"	299.2	0.0	-57.5	46.37	6.33	84.9	155.5	-43.6
May 1,	"	293.5	0.0	5.7	37.83	1.41	88.9	181.4	-25.9
June 1,	"	259.2	7.47	24.5	25.25	0.00	88.05	175.8	5.6
July 1,	"	213.4	23.16	45.8	30.40	0.00	86.4	164.7	11.1
2,	"	210.0	1.27	3.4	1.56	0.00	86.25	164.6	0.1
3,	"	206.4	1.27	3.6	1.57	0.00	86.3	164.4	0.2
4,	"	203.0	1.27	3.4	1.57	0.00	86.3	164.4	0.8
5,	"	200.0	1.27	3.0	1.57	0.00	86.2	163.6	0.8
6,	"	197.0	1.27	3.0	1.57	0.00	86.1	162.8	0.5
7,	"	194.0	1.27	3.0	1.57	0.00	86.05	162.5	0.5
8,	"	190.5	1.27	3.5	1.56	0.00	86.0	162.3	0.2
9,	"	188.5	1.27	2.0	1.24	0.00	85.95	162.0	0.5
10,	"	186.5	1.27	2.0	1.27	0.00	85.9	161.7	0.5
11,	"	184.5	1.27	2.0	1.40	0.00	85.85	161.4	0.5
12,	"	182.5	1.27	2.0	1.29	0.00	85.8	161.1	0.5
13,	"	180.5	1.27	2.0	1.33	0.00	85.8	161.1	0.4
14,	"	178.5	1.27	2.0	1.56	0.00	85.7	160.7	0.7
15,	"	176.5	1.27	2.0	1.53	0.00	85.6	160.0	0.7
16,	"	176.5					85.5	159.5	

ESTIMATE OF DURATION OF AVAILABLE
SUPPLY IN CUYANACA RESERVOIR

The attached tabulation shows the water content in Cuyanaca Reservoir on the first day of each month from January to July, 1919, and for each day from July 1st to 20th. Draft from the Reservoir, loss in storage and diversion into the flume is also shown.

Available storage on July 20th was 178 million cubic feet. Depletion of storage during June averaged 1.55 million cubic feet per day, and for the first 14 days in July averaged 2.64 million cubic feet. A heavy rain on July 16th raised the water level and cut down depletion temporarily.

During this extremely dry year the losses in Boulder Creek will be heavy and a study of the tabulation shows that such losses are probably just beginning. Use of water in July, August and September is usually very heavy.

It is safe to assume that depletion in storage, considering the increasing losses in Boulder Creek, will average at least 5 million gallons daily during August and September, and 2.75 million cubic feet daily for the remainder of July.

Such depletion would empty the reservoir on September 19th.

If it is assumed that La Mesa Pumping Plant is used to pump back two-thirds of the supply to high service, or a maximum of 6 million cubic feet monthly, the draft on Cuyanaca could be reduced and the depletion decreased to about 60 per cent. In this case the reservoir would be emptied on November 1st.

DETAIL OF COST OF INSTALLATION

OF LA MESA BOOSTER PLANT

--0--

ACTUAL COST

July 17th - Setting and Removing Transformers.....	\$ 200.00
July 16th to 19th - F.H. Whitney for electrical work	
installing motor, etc.,.....	50.00
July - Company Force Labor,.....	38.05
Materials,.....	<u>9.15</u>
Total,.....	\$ 297.20
Cost per day (42 days' operation).....	\$ 7.05

If entire cost is chargeable to rates then the cost per 100 cubic feet pumped is \$0.0037 (on basis of 191.500 cubic feet pumped per day) or \$0.0049 per 1000 gallons.

Total Cost per 100 cubic feet pumped,	\$0.0231
" " " 1000 gallons pumped,	0.0374

ESTIMATE OF COST OF OPERATION OF
LA MESA PUMPING PLANT

This plant is used to pump back water from Murray Reservoir into the High Service System, which extends from Eucalyptus and Murray Hill Reservoirs to La Mesa Pumping Plant. Gage indicates pumping against 95 lbs. pressure or total head of 220 feet. Pump has a rated capacity of 1200 gals. per minute against 200 foot head.

Assumed period of operation 42 days.

Pump started at 6:45 A.M., July 17th and has been operated continuously since.

Pump man 21 days at \$5.00.....	\$105.00
Oil, waste, etc., 42 days at \$1.00	42.00
Power for 150 H.P. Motor, 42 days, say 125,000 K.W.hours. Gas Com- pany estimates cost at \$1800.00 or \$0.0144 per K.W.hours. Say Cost..	<u>1800.00</u>
Total,.....	\$1947.00

This is a cost per day of.....\$46.60.

Say pump operates at 1000 gallons per minute or 133 cubic feet per minute. This is 191,500 cubic feet per day.

Cost per 100 cubic feet is....\$0.0244

" " 1000 gallons is..... 0.0325

- - - - -

(See page 2, which follows this page) --- 5052.90

ELECTRIC WIRING, Etc.

Moving Transformers and Wiring..... \$ 350.00

MISCELLANEOUS WORK.

Pressure and Vacuum Gages, miscellaneous piping, etc..... 100.00

Total,..... \$5,305.90

This is the absolute minimum cost. If additional wells are required the cost will be increased about \$500 per well complete with suction lines, fittings, etc. Undoubtedly at least one additional well will be required.

MOVING, REPAIRING AND INSTALLING PUMP AND MOTOR:

Moving 200 H.P. Motor, 3" - 3 stage B-J Pump, 5 H.P. Motor and Compressor from old pump house to new location 400' north. Installation includes setting up, connecting and installing 5 H.P. motor and compressor on Vacuum line,..... \$200.00

PUMP PIT:

12' x 12' x 10' deep. Concrete walls 12" thick. Concrete floor 5" thick. Motor and pump foundation 6' x 8' x 1 1/2'. Concrete approximately 25 cu.yds. Cement on hand; sand close.
 Excavation 186 cubic yards,..... \$ 75.00
 Concrete 25 cubic yards @ \$5,..... 125.00
 \$200.00

PUMP HOUSE:

Low wood building about 12' x 12',..... \$150.00

SUCTION LINE:

100' - 12" O.D. Casing @ 2.70 f.o.b. San Diego,.... \$270.00
 120' - 12" " " @ 2.85 " " " " 342.00
 5 - 12" x 8" Flanged Tee on hand,..... 0.00
 1 - 12" x 4" Flanged Tee on hand,..... 0.00
 1 - 12" x 8" x 8" Flanged Tee on hand,..... 0.00
 5 - 8" Flanged Gates on hand but need repairs. 50.00
 5 - 8" Flanged Elbs, 1 on hand, 4 @ \$13.60.... 54.40
 5 - 8" x 6" O.D. Flanges @ \$3.50,..... 17.50
 200' - 6" O.D. Casing for well drops @ 2.85,..... 170.00
 2 - 8" O. D. Flanges @ \$3.50,..... 7.00
 2 - 8" O. D. Blank Flanges @ \$3.00,..... 6.00
 2 - 12" O. D. Flanges @ 8.00,..... 16.00
 Miscellaneous Flanges, etc., on hand,..... 0.00
 Hauling, 3 tons 25 miles,..... 25.00
 Installation, including gaskets, bolts, etc.,..... 250.00
 Trenching 6' to 7' deep - 330 cu.yds.,..... 85.00
 \$1202.90

WELLS:

Estimated depth each 80'.
 Diameter 10".
 Casing--Redwood built up of 1" x 1 1/2" strips, with space between and covered with copper screen.
 5 wells, total depth 400 feet @ \$3.00,.....\$1200.00

ESTIMATE OF COST OF
MORTE PUMP INSTALLATION.

TRANSMISSION LINE FROM DISCHARGE LINE TO FLUME:

500 feet 16" riveted steel pipe required this on hand, but has to be hauled from Murray Dam to Los Cochas and from there snaked to top of hill and carried from there to bench. Old bench washed out in 1916 now being repaired. Pipe will need some low trestle bents.

Estimated Cost of pipe installed..... \$ 300.00

HYDROMETRIC METER ON DISCHARGE LINE:

Installed..... 100.00

REPAIRS TO RECEIVING BOXES:

Lining, etc.,..... 15.00

REPAIRS TO DISCHARGE LINE UP HILL:

Welding, Patching, etc.,..... 100.00

NEW DISCHARGE LINE PUMP TO BOTTOM OF HILL:

400 feet 12 inch Standard Pipe to be flanged every 40 feet. Can get at least 300 feet second-hand pipe at \$1.85 f.o.b. San Diego. Balance may have to be new pipe \$3.50 f.o.b. San Diego.

Hauling 12 tons 25 miles,.....	75.00
Trenching.....	50.00
* Pipe 300' @ \$1.85 f.o.b. San Diego.....	555.00
* " 100' @ 3.50 f.o.b. San Diego.....	350.00
10 - 12" Companion Flanges,	
8 new @ \$16.00 f.o.b. San Diego,.....	128.00
12" - 45° Ell on hand,.....	0.00
12" - Check Valve on hand,.....	0.00
2 - 12" x 8" Flanged Reducers on hand,.....	0.00
Installation including some threading, gaskets, bolts, etc.,.....	150.00

\$ 1,208.00

*Pipe 60 lbs. per foot.

ESTIMATE OF COST OF OPERATION
OF MORTE PUMPING PLANT.

Cost of Installation,	\$5,305.90
If installation considered as chargeable	
against rate then cost per day is.....	89.30
Cost per 100 cubic feet is.....	.0136
" " 1000 gallons.....	.0181
Total cost per 100 cubic feet.....	.0399
" " " 1000 gallons.....	.0530

ESTIMATE OF COST OF OPERATION
OF NORTE PUMPING PLANT

From Middle of August to
December 31st, 1919, = 155 days.

3 Operators, 135 days each, 405 days total @ \$5.00,.....	\$2025.00
1 Helper, 135 days @ \$3.50,.....	472.50
Oil, Waste, Packing, Miscellaneous repairs and Supplies, 135 days @ \$3.00,.....	405.00

Electric Power - 200 H.P. Motor:

27,000 H.P. days or 648,000 H.P. Hours =
483,600 K.W. Hours. Test of Motor made
in 1915 showed overload of approx. 15%--
(Direct lift 291 feet plus 21 feet suction)
Say 555,000 K.W. Hours. - S.D. Gas & Electric
Company estimates bill at \$7,300 or an
average of \$0.01356 per K.W. Hour. Say
Total Power Cost is..... 7500.00

Total Cost of Operation,.....\$10,202.50

Capacity of plant about 200 inches (theoretical) per minute.
Say Actual Average Output 170 inches or 1500 gals. per minute =
200 cubic feet per minute = 288000 cu.ft. per day.

Cost of Operation only 155 days,.....	\$10,202.50
" " " per day,.....	75.50
Cost per 100 cubic feet pumped,.....	.0262
" " 1000 gallons pumped,.....	.0349

June	1916	1623370	1440190	6234390	337770	6166470	63150	16086730	1861110	1916	0.00
	1917	1178030	1191083	5933760	252398	5694540	111210	12606330	1665291	1917	0.00
	1918	1298860	1772340	7768540	517030	7009830	190320	16074320	2480190	1918	0.00
	1919	1689360	1738400	9045250	338850	6272890	202310	16927800	2329260	1919	
July	1916	1501650	1404230	6662942	512370	12138700	57680	20305572	1779280	1916	0.19
	1917	1527180	1355050	7678000	308440	6977290	125040	16179470	1709830	1917	0.00
	1918	1666430	1804580	6259960	311410	7553610	194540	17460000	10206600	1918	0.00
			*7206100								
	1919		9710650							1919	
Aug.	1916	1632510	1340280	6800550	403048	9014160	59950	17507120	1503248	1916	0.02
	1917	1515480	924010	7927843	164110	5936610	136660	15379535	1224780	1917	0.00
	1918	1564360	1634320	8771680	407630	7069850	129050	17408090	6429800	1918	0.04
			*6122800								
	1919		7835120							1919	
Sept.	1916	1429570	736350	6284680	263870	7934310	49550	15656560	1049770	1916	0.29
	1917	1206650	867840	6777040	197990	4946200	74930	12929690	1140450	1917	0.00
	1918	1094100	1296790	7424940	317680	6787620	196320	15306660	14229060	1918	0.00
			*12417800								
	1919		13714590							1919	
Oct.	1916	557440	395180	4091560	225160	7483990	23910	12132990	644250	1916	1.98
	1917	1163850	911470	6668330	226990	5112840	64580	12945320	1303040	1917	0.00
	1918	999900	1126680	5747480	215620	4644900	116480	11392180	8905280	1918	0.67
			*7446500								
	1919		8573180							1919	
Nov.	1916	1049730	728770	5453860	363020	7571500	31520	14075090	1133300	1916	0.04
	1917	764780	677430	3965160	194500	3603680	52060	8333620	924270	1917	0.00
	1918	450860	686510	2766060	216700	2474930	58470	5691950	14826080	1918	2.23
			*13654400								
	1919		14880910							1919	
Dec.	1916	869630	630000	4178020	278570	6785000	29490	11832650	938060	1916	2.23
	1917	738430	630560	4915580	203210	623000	76640	6182010	910410	1917	0.00
	1918	70970	552530	747930	159310	1082420	50090	1902320	2596220	1918	1.62
			*1254700								
	1919		2396920							1919	

* Water Use City of San Diego.

** New rates effective.

QUYANAGA WATER CO
IRRIGATION WATER USE
CONSUMER MONTHS APRIL, 1917, TO A

		1 9 1 7												
BLOCK	SERVICE	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
0- 400	Low Service	517	501	347	297	316	397	407	351	363	405	491	544	306
	High "	29	58	50	41	57	52	55	45	48	60	65	105	45
	Flume "	61	45	58	63	53	59	68	15	15	16	17	19	13
	TOTAL:	537	604	455	401	406	508	530	391	426	481	593	668	364
400- 1000	Low Service	190	191	208	251	233	195	202	196	164	171	112	77	236
	High "	21	22	15	24	28	18	21	19	19	22	22	15	28
	Flume "	13	10	13	17	16	11	8	9	8	10	10	13	10
	TOTAL:	224	223	236	292	277	224	231	225	211	203	144	105	274
1000- 2000	Low Service	25	30	114	127	127	108	92	37	31	16	13	10	51
	High "	12	16	12	13	11	10	12	5	7	9	5	5	14
	Flume "	5	9	6	7	5	6	2	3	3	2	4	1	7
	TOTAL:	42	55	132	147	143	124	106	45	41	27	22	16	72
2000- 5000	Low Service	2	-	20	40	32	19	19	6	4	1	-	-	6
	High "	2	2	7	6	8	5	4	7	6	2	-	-	4
	Flume "	3	3	9	3	5	3	3	3	2	3	3	-	2
	TOTAL:	7	5	36	49	45	27	25	14	12	6	3	-	12
5000- 25000	Low Service	3	3	3	4	2	1	-	1	-	1	1	1	1
	High "	1	1	2	3	1	2	2	3	1	-	1	-	3
	Flume "	2	2	2	4	4	2	3	2	1	1	2	1	2
	TOTAL:	6	6	7	11	7	5	5	6	2	2	4	2	6
25000- 50000	Low Service	1	1	-	-	2	2	2	1	1	1	-	-	-
	High "	-	-	-	-	-	-	2	1	1	1	-	-	
	Flume "	-	-	-	-	-	1	1	-	1	-	-	-	
	TOTAL:	1	1	-	-	2	3	5	2	3	2	-	-	1
50000-100000	Low Service	-	-	2	2	1	-	-	-	-	-	-	-	-
	High "	1	-	-	-	1	2	-	1	-	1	1	-	
	Flume "	-	-	1	1	1	-	-	-	-	-	-	-	
	TOTAL:	1	-	3	3	3	2	-	1	-	1	1	-	
100000-500000	Low Service	1	1	-	-	1	1	1	1	1	1	1	1	1
	High "	-	1	1	1	-	-	1	-	1	-	-	1	1
	Flume "	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL:	1	2	1	1	1	1	2	1	2	1	1	2	2
500000- Over	Low Service	-	-	1	1	-	-	-	-	-	-	-	-	-
	High "	-	-	-	-	-	-	-	-	-	-	-	-	-
	Flume "	-	-	-	-	-	-	-	-	-	-	-	-	-
	TOTAL:	-	-	1	1	-	-	-	-	-	-	-	-	-
Cubic Feet Over 500,000 shown in hundreds of cubic feet:		6351 7560												

COA WATER COMPANY
IRRIGATION WATER USE
DAYS APRIL, 1917, TO APRIL, 1919.

	1 9 1 8												1 9 1 9						Total	Total
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	1st Year	2nd Year	
5	491	544	306	190	231	224	223	302	304	401	550	470	530	575	328	286	207			
0	85	105	45	33	36	32	29	34	46	55	83	63	72	85	34	29	24			
3	17	19	13	6	8	8	8	9	8	9	35	17	23	22	11	11	9			
1	593	649	364	229	275	264	260	345	362	463	662	559	625	678	373	325	240	6000	5092	
1	112	77	236	261	236	230	242	229	240	216	95	167	112	85	257	274	279			
2	22	15	28	22	15	17	23	23	25	20	27	27	24	29	29	27	22			
9	10	13	10	10	8	8	12	9	14	15	7	18	25	19	21	11	10			
3	144	105	274	293	259	255	277	251	277	251	129	202	161	132	307	312	311	2653	2772	
3	13	10	51	119	112	117	122	88	74	17	10	17	18	15	54	73	126			
9	5	5	14	18	15	16	15	9	5	12	12	16	11	8	20	16	22			
2	4	1	7	3	3	3	5	5	6	5	2	6	1	5	5	2	2			
7	22	16	72	140	130	136	142	102	85	36	24	39	20	28	79	91	150	907	962	
1	-	-	6	31	24	40	34	10	10	2	1	1	1	-	4	8	31			
2	-	-	4	7	15	16	8	10	6	3	3	4	3	2	3	7	9			
3	3	-	2	4	6	5	2	6	2	2	2	2	2	2	3	6	6			
3	3	-	12	42	45	61	44	26	18	7	6	7	6	4	10	21	46	232	278	
1	1	1	3	3	3	6	3	3	3	2	1	1	1	1	0	0	1			
1	1	-	3	3	3	6	7	3	3	1	-	-	-	-	1	2	2			
2	2	1	2	1	1	2	4	2	1	1	-	1	-	-	3	4	3			
2	4	2	6	7	7	16	14	8	7	4	1	2	1	1	4	6	6	63	74	
1	-	-	-	1	1	1	1	1	-	-	-	-	-	-	1	1	1			
1	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-			
1	-	-	1	-	-	-	-	-	-	1	1	1	1	1	-	1	-			
1	-	-	1	3	2	1	1	1	-	1	1	1	1	1	1	2	1	19	14	
1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-			
1	1	-	-	1	1	-	-	-	1	-	-	-	-	1	1	-	-	15	4	
1	1	1	1	1	-	-	-	-	-	-	1	1	1	1	-	-	-			
1	-	1	1	1	2	1	1	-	1	1	1	1	1	-	1	1	-			
1	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	1	-			
1	1	2	2	2	3	2	2	1	1	1	2	2	2	1	1	2	-	16	21	
1	-	-	-	-	1	2	2	2	1	2	1	-	-	-	1	1	1			
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1	-	-	-	-	1	2	2	2	2	2	1	-	-	-	1	1	1	2	12	

12770

91456

72909 133000 82032 142906 18343

8753

9600 12266

CHYANAGA WATER CO

IRRIGATION WATER USE

CONSUMER MONTHS APRIL, 1912, TO

BLOCK	SERVICE	1 9 1 7												
		Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
2000-5000	Low Service	13	19	10	4	6	9	12	5	9	19	10	4	16
	High "	14	10	4	5	4	7	7	11	7	13	8	6	14
	Flume "	3	4	4	3	4	3	2	1	6	3	4	6	2
	TOTAL:	30	33	18	9	14	19	21	17	24	35	22	16	32
5000-25000	Low Service	18	20	23	23	23	25	19	23	16	19	4	2	20
	High "	18	20	16	18	12	17	14	22	20	20	8	-	20
	Flume "	11	18	14	15	8	9	5	10	11	9	7	4	17
	TOTAL:	45	58	53	60	43	49	38	55	47	48	19	6	57
25000-50000	Low Service	7	2	10	9	12	11	13	10	13	1	-	-	8
	High "	8	6	17	14	15	18	17	11	10	3	1	1	4
	Flume "	14	9	26	11	17	14	15	7	7	13	1	1	6
	TOTAL:	29	17	53	34	44	43	45	28	30	17	2	2	18
50000-100000	Low Service	-	-	3	6	8	5	4	1	2	-	-	-	-
	High "	1	2	9	9	12	7	5	6	7	3	1	1	3
	Flume "	12	10	20	25	24	22	16	15	2	10	2	-	3
	TOTAL:	13	12	32	41	44	34	25	22	11	15	3	1	6
100000-500000	Low Service	1	-	2	3	2	1	1	-	-	-	-	-	1
	High "	3	1	3	6	6	5	5	1	2	1	2	1	1
	Flume "	4	3	9	18	17	17	18	14	1	3	2	-	1
	TOTAL:	8	4	14	27	25	23	24	15	3	4	4	1	3
500000-Over	Low Service	-	-	-	-	-	-	-	-	-	-	-	-	-
	High "	1	2	2	2	2	2	2	2	2	2	-	-	2
	Flume "	2	3	2	2	2	-	1	-	-	-	-	-	1
	TOTAL:	3	5	4	4	4	2	3	2	2	2	-	-	3
Cubic Feet Over 500,000 shown in hundreds of cubic feet:		30165	47977	57263	75762	65065	45541	52251	25748	33924	16518			21645

AAA WATER COMPANY

IRRIGATION WATER USE

MONTHS APRIL, 1917, TO APRIL, 1919.

1918												1919						Total	Total
Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Year	Year
19	10	4	16	10	10	4	9	7	12	11	6	7	6	5	12	4	9		
15	8	6	14	9	6	4	4	4	12	12	7	9	10	10	12	12	7		
5	4	6	8	4	2	2	-	-	-	4	4	2	2	5	6	4	2		
25	22	18	32	23	12	11	13	11	21	27	17	18	18	20	30	20	18	258	229
19	4	2	20	18	22	24	18	19	16	20	7	11	6	4	22	27	26		
20	8	-	20	23	21	22	19	22	23	27	3	12	11	1	20	26	29		
9	7	4	17	9	8	7	7	9	19	25	11	4	1	1	8	8	9		
48	19	6	57	50	51	53	44	50	51	72	21	27	18	6	50	61	63	526	510
1	-	-	5	8	10	4	8	12	11	4	-	-	-	-	3	3	7		
3	1	1	4	11	13	15	15	11	11	6	-	1	1	-	11	9	16		
13	1	1	6	8	9	10	13	7	18	9	6	2	-	-	3	15	12		
17	2	2	15	27	31	29	34	30	32	19	6	3	1	-	22	32	34	342	233
-	-	-	-	9	7	12	8	6	3	1	-	-	-	-	3	6	5		
5	1	1	3	8	7	7	13	13	6	3	-	2	-	-	3	7	5		
10	2	-	3	17	21	20	21	23	12	6	7	-	-	-	4	18	21		
13	3	1	6	24	25	39	42	42	23	9	7	2	-	-	10	31	31	251	232
-	-	-	1	2	1	3	4	1	1	-	-	-	-	-	-	1	2		
1	2	1	1	5	5	5	5	4	1	-	2	-	2	2	1	5	6		
3	2	-	1	21	25	25	23	25	14	7	1	1	1	1	2	21	31		
4	4	1	3	29	31	34	32	31	16	7	3	1	3	3	3	25	39	162	192
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
2	-	-	2	2	2	2	3	2	2	2	-	2	-	-	2	2	2		
-	-	-	1	1	2	2	2	2	1	-	-	-	-	-	-	-	2		
2	-	-	3	3	4	4	5	4	3	2	-	2	-	-	2	2	4	31	30

512

21545 63684 72032 76860 79625 87622 50996 20159 12855 24999 56240 84786

BRIEF

CUYAMACA WATER COMPANY

APPLICATION #4670 FOR SURCHARGE

To the Honorable Members of the Railroad Commission of the State of California.

Gentlemen:

The question, for your consideration and decision, is whether or not the Cuyamaca Water Company is entitled to a surcharge owing to the increased cost of labor and material, also the necessity of the installation and operation of the El Monte Pumping Plant, and who should pay for the increased cost. At the hearing just ended no evidence was introduced on behalf of the consumers to combat our sworn statements and exhibits showing the increased cost of labor and materials, and no one questioned the justice of our claim in that respect. The entire opposition was centered on who should pay the cost of installation and operation of the El Monte Pumping Plant. All the protestants considered that the El Monte Pumping Plant should be installed as a protection to both the irrigation and domestic water supply.

If the Cuyamaca Water Company were getting, and had for the last few years received, a revenue that would take care of all operation and maintenance costs, together with a sinking fund for replacements and interest on a reasonable valuation, we believe we would have no right to ask for an additional rate for pumping water, providing a certain amount had been included each year by the Railroad Commission and collected for pumping, as of necessity three or four years out of ten the El Monte Pumping Plant must be run, and the El Monte Pumping Plant is as much a part of the Cuyamaca System as Cuyamaca Lake; but the fact remains that we have not received, since we purchased the system, hardly enough money to pay operation expenses, to say nothing of a reasonable interest on our investment, and a reasonable compensation for services rendered. Yet through extreme hardship, on the part at least of two partners, we have financed ourselves and have spent many hundred thousands of dollars in the development of this system. The time has come when it is out of the question to finance the Cuyamaca Water Company any further under existing conditions. If the El Monte Pumping Plant is not installed it means lack of revenue to the Company to even pay operating expenses and it must mean a reduction in the irrigation supply in order to protect our property. If the El Monte Plant is installed and we are allowed to charge increased rates, on account of pumping, the hardship will be light to the consumers, our property will be conserved, and the crops of the consumers protected.

It is the writer's private opinion that he will not be able to finance the completion of the El Monte Plant and the cost of operating same, unless the increased rates for pumping are granted. It is true we will probably sell water to the extent of \$30,000.00 to \$35,000.00 to the city, but this money is just as vitally needed to complete the El Cajon Avenue Pipe Line, thereby stopping a \$600.00 or \$800.00 a month maintenance expense as at present. In addition, the writer has pledged the completion of the El Cajon Pipe Line if the city will buy water from the Company and a diversion of the money received from the city to install the El Monte Pumping Plant forces the writer to repudiate his agreement with the city.

Your attention should be particularly called to the fact that there is practically no opposition from the irrigators, excepting as to whether or not they shall pay for the increased cost. We have furnished a full supply of water to everyone since 1915, excepting those living on private water lines and who desire more water than their present pipe lines will carry. This shortage we are not

BRIEF, Continued

responsible for. Practically the only opposition from the irrigators standpoint was D. G. Gordan and E. W. Moyer. Both of them, notorious kickers under any circumstances and at all times. We only furnish about seven percent domestic water and ninety-three percent irrigation water, and practically the entire hearing consisted of hearing the complaints and objections of the domestic consumers. Irrigators, who represent over eighty percent of our total consumers, made no protest or appearance before your Honorable Commission. Mr. Jesse George has only been a consumer for two months. Mr. Wilhite is also a chronic kicker, as records in previous hearings will show. He is on a private line, entirely inadequate to take all the water that is needed for the consumers on said line. Under oath he stated he was willing to pay \$75.00 an acre per annum for water, yet his total water bills, for the purchase of water for thirty-two acres of land for the last thirty-months, is \$125.00, or approximately \$3.93 per acre for thirty-two acres of citrus orchard.

Attached hereto are records of water conserved, evaporation losses, rainfall records, also flume losses from the years 1916 to 1919, inclusive, as prepared by our Superintendent, Mr. Harritt, and by our Hydraulic Engineer, Mr. Holyoke, which should prove conclusively that we have used every precaution, and that there has been no excessive losses of water. Owing to the flood damage of 1918, and owing to lack of income, it has been impossible for us to finance ourselves to rebuild and repair our water system and rehabilitate the El Monte Pumping Plant.

The writer desires to call the Commission's attention to the fact that Mr. Murray has refused, although repeatedly asked, to furnish money for maintenance and operation, as well as certain improvements of the Cuyamaca System, and has not put a dollar into the Cuyamaca Water Company for this purpose for a year and a half at least. This does not apply to the construction of Murray Dam, which contract was signed by Mr. Murray nearly three years ago. The writer is helpless to finance the Cuyamaca Water Company and at present sees absolutely no hope to get additional finances except through additional revenues of the Cuyamaca Water Company.

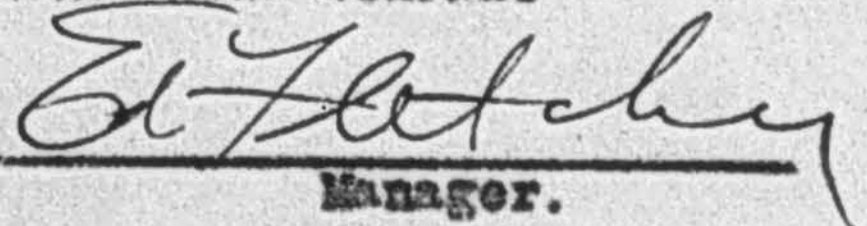
As water bills were introduced by Judge Glidden showing the excessive cost of water for consumers for June, we herewith attach statements for the last year and a half showing what each party paid and the amount of water used. It was certainly a wilful attempt to deceive the Commission as the average cost of each of these individuals per month hardly exceeds \$3.00, while Mr. Howell, who was on the witness stand testifying against the Cuyamaca Water Company has never paid over \$1.00 a month, as per exhibit herewith enclosed.

We respectfully petition that your Honorable Body grant us a liberal increase in rates as a surcharge, and the same to take effect immediately and apply to water furnished in July and thereafter until new rates are established. Also that your Honorable Body, until January 1, 1920, increase the rates sufficiently to pay for the additional cost of pumping and operating the El Monte Pumping Plant, that at the end of the season the cost of installation, and any loss sustained through the operation of the El Monte Pumping Plant, plus seven percent, be assessed and pro-rated against all consumers according to the amount of water purchased by them during the season of 1919.

Respectfully submitted,

CUYAMACA WATER COMPANY

By



Manager.

ET/VBS

P. S. Your hydraulic engineer testified that the total leakage and evaporation losses of our flume and distributing system approximated 33-1/3% while the normal losses are from 20 to 25% in all distribution lines. Attached hereto is Table 2, showing the total leakage and evaporation losses for the last 4 years. For the 4 years it averages approximately 22 1/2%.

SAN DIEGO, CALIFORNIA, July 26, 1919

Col. Ed. Fletcher,
Mgr. Cuyamaca Water Company
Office.

Dear Sir:-

Attached are two tabulations in regard to the Cuyamaca System. Table No. 1 shows the Monthly and Yearly Rainfall, Evaporation and Draft at Cuyamaca Dam for the years of 1916, 1917, 1918 and the first six months of 1919.

This table also shows the draft for the first 25 days of July 1919. From this table it will be readily seen that the present dry year is exceptional. The rainfall column shows that while the annual rainfall was 30.85 inches for year 1918-19, there was not enough rain falling at any one time to cause the run-off necessary to raise Cuyamaca Lake.

The evaporation column shows the excessive evaporation that is now taking place. The evaporation for June of 1919 being greater than the same month in any preceding year from 1916.

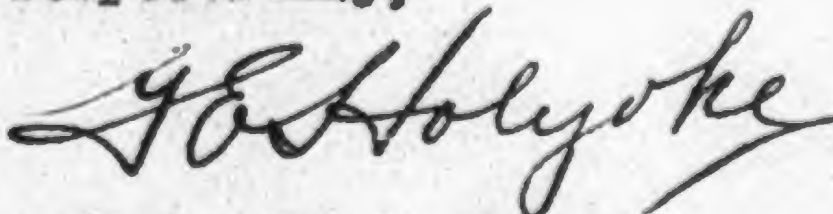
The draft column shows that we started ^{the} draft earlier this year than we did in 1916 or 1917. In 1916 the draft started in August; in 1917, June; 1918 there was some draft in January and February, March ~~and~~ April none, and then starting again in May with a slight flow. In 1919 this draft started on May 15th and in the last fifteen days of that month, the draft is greater than that of the same month in the years shown, as is also the case in June and the first 25 days of July.

The draft in those 25 days being greater than for the same full month of July in 1917 or 1918.

Table No. 2 shows the actual percent of water lost annually. In 1916 the loss was 25.82%; in 1917, 19.52%; in 1918, 25.67% and in the first six months of 1919, the loss was 24.5%.

This shows that the percent of loss is not so large considering that the allowable loss is approximately 33-1/3%.

Yours respectfully,



Assistant Engineer.

GEH:HK

TABULATION OF RAINFALL, EVAPORATION AND DRAFT

AT GUYAMAGA - YEARS 1916, 1917, 1918

and 1919.

Month	1916			1917		
	Rainfall	Gross Evap.	Draft M.O.Ft.	Rainfall	Gross Evap.	Draft M.O.Ft.
January	36.50	.68	0	7.34	2.75	0
February	3.50	4.65	0	7.94	2.01	0
March	4.51	6.26	0	1.75	2.94	0
April	.74	6.57	0	5.11	2.88	0
May	.64	7.21	0	1.46	4.88	0
June	0	8.25	0	0	6.58	1.89
July	2.12	10.05	0	1.17	6.91	21.96
August	2.09	8.68	5.36	0	8.54	22.39
September	1.35	6.11	11.68	.48	7.12	23.10
October	5.13	3.15	0.29	.03	(6.00)	17.14
November	.13	3.82	0	1.24	(4.00)	8.24
December	5.25	2.40	0	0	(3.00)	1.63
TOTAL	61.97	67.83	17.33	26.52	57.61	96.45

Month	1918			1919		
	Rainfall	Gross Evap.	Draft M.O.Ft.	Rainfall	Gross Evap.	Draft M.O.Ft.
January	4.26	3.00	2.4	.67	2.07	0
February	5.61	3.61	28.83	7.32	2.60	0
March	15.70	3.00	0	6.98	2.98	0
April	0	5.24	0	1.41	4.55	0
May	.45	5.85	2.41	.34	5.76	7.50
June	.59	6.20	14.10	0	9.38	28.16
July	.11	9.02	28.26			(July 1 to 25, 1919) 28.63
August	1.37	7.11	31.07			
September	.37	6.65	23.15			
October	1.10	6.24	20.44			
November	6.35	2.45	7.29			
December	4.83	2.38	0			
TOTAL	40.74	60.75	157.95	16.72	27.34	64.29

Table 2.

LOSS OF WATER IN FLUME, 1916, 1917, 1918 AND FIRST HALF OF 1919.
QUANTITIES IN MILLIONS CUBIC FEET.

Year	:Total amount: :of water de- :livered to : flume	:Total amount: :of water de- :livered at : Grossmont	:Total amount: : of water : consumed	:Total amount : lost in : Transit	: Percent : Lost
1916	425.69	218.99	86.776	119.824	25.82
1917	215.14	112.71	60.423	42.007	19.52
1918	348.270	203.83	55.011	89.429	25.67
1919	194.676	127.518	19.255	50.188	24.50

WATER FURNISHED TO MRS. MARTHA LEA, OWNER OF 13
ACRES CITRUS ORCHARD AT SOMERMONT, EL CAJON VALLEY,
IRRIGATION CONSUMER ON HAWLEY PIPE LINE

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>
Jan. 1918	No water used	--
Feb. "	" " "	--
Mar. "	" " "	--
Apr. "	" " "	--
May "	84,360	24.60
June "	69,140	20.80
July "	107,130	30.30
Aug. "	107,130	30.60
Sept. "	103,680	29.40
Oct. "	37,200	10.30
Nov. "	21,000	8.75
Dec. "	<u>15,400</u>	<u>3.85</u>
	535,040	158.30
Jan. 1919	No water used	--
Feb. "	" " "	--
Mar. "	" " "	--
Apr. "	" " "	--
May "	105,620	29.90
June "	<u>103,680</u>	<u>29.40</u>
	209,300	59.30
	744,340	217.60

WATER FURNISHED WILLIAM HOWELL, 3218 SCHOOL
STREET, NORMAL HEIGHTS, AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>
Jan. 1918	300	1.00
Feb. "	100	1.00
Mar. "	80	1.00
Apr. "	380	1.00
May "	380	1.00
June "	400	1.00
July "	400	1.00
Aug. "	410	1.00
Sept. "	390	1.00
Oct. "	380	1.00
Nov. "	400	1.00
Dec. "	190	1.00
	<u>3590</u>	<u>12.00</u>
Jan. 1919	390	1.00
Feb. "	370	1.00
Mar. "	390	1.00
Apr. "	390	1.00
May "	390	1.00
June "	400	1.00
	<u>2330</u>	<u>6.00</u>
	5920	18.00

WATER FURNISHED TO F. C. MARTIN, 4756
KENSINGTON DRIVE, KENSINGTON PARK, AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>	
Jan. 1918	1110	2.85	
Feb. "	780	1.95	
Mar. "	590	1.45	
Apr. "	1430	3.15	
May "	1730	3.80	
June "	1490	3.25	
July "	1600	3.40	
Aug. "	1290	2.95	
Sept. "	1440	3.05	
Oct. "	1350	3.00	
Nov. "	910	2.25	
Dec. "	800	1.50	32.20
	<u>14330</u>		
Jan. 1919	980	2.45	
Feb. "	680	1.70	
Mar. "	670	1.65	
Apr. "	1280	2.90	
May "	1240	2.85	
June "	2730	5.10	16.65
	<u>7580</u>		
	<u>21900</u>		<u>48.85</u>

WATER FURNISHED TO T. E. RICHARDSON, 4739
EDGEWARE ROAD, KENSINGTON PARK, AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>	
Jan. 1918	380	1.00	
Feb. "	300	1.00	
Mar. "	310	1.00	
Apr. "	480	1.15	
May "	730	1.85	
June "	1800	3.40	
July "	1180	2.75	
Aug. "	970	2.40	
Sept. "	920	2.30	
Oct. "	1190	2.80	
Nov. "	1070	2.65	
Dec. "	<u>580</u>	<u>1.45</u>	23.75
	9,690		
Jan. 1919	1310	2.95	
Feb. "	780	1.95	
Mar. "	340	1.00	
Apr. "	850	2.10	
May "	760	1.90	
June "	<u>1850</u>	<u>3.45</u>	13.35
	5,700		
	15,390		37.10

WATER FURNISHED TO J. C. THOMPSON, 5003 PARK
PLACE, KENSINGTON PARK, AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>	
Jan. 1918	800	2.00	
Feb. "	610	1.50	
Mar. "	690	1.70	
Apr. "	1150	3.75	
May "	2140	4.20	
June "	1860	3.80	
July "	2360	4.55	
Aug. "	1920	3.85	
Sept. "	1480	3.20	
Oct. "	1180	2.75	
Nov. "	960	2.40	
Dec. "	780	1.95	34.65
	15,930		
Jan. 1919	870	2.15	
Feb. "	760	1.90	
Mar. "	630	1.55	
Apr. "	1280	2.90	
May "	1120	2.70	
June "	1910	3.85	15.05
	6,870		
	22,500		49.70

WATER FURNISHED TO GEO. E. WELLES, EAST
KENSINGTON PARK AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>	
Jan. 1918	220	1.00	
Feb. "	20	1.00	
Mar. "	20	1.00	
Apr. "	330	1.00	
May "	440	1.10	
June "	790	1.95	
July "	350	1.00	
Aug. "	530	1.30	
Sept. "	600	1.50	
Oct. "	680	1.70	
Nov. "	510	1.25	
Dec. "	<u>340</u>	<u>1.00</u>	14.80
	4,830		
Jan. 1919	300	1.00	
Feb. "	160	1.00	
Mar. "	390	1.00	
Apr. "	380	1.00	
May "	1080	2.60	
June "	<u>2040</u>	<u>4.05</u>	10.65
	4,350		
	9,180		25.45

WATER FURNISHED TO FRANK MAYBURY, 4738 KENSINGTON
DRIVE, KENSINGTON PARK, AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>	
Jan. 1918	380	1.00	
Feb. "	630	1.55	
Mar. "	310	1.00	
Apr. "	1370	1.85	
May "	1600	2.75	
June "	1150	2.70	
July "	1590	3.40	
Aug. "	1590	3.00	
Sept. "	1210	2.80	
Oct. "	840	1.55	
Nov. "	630	1.55	
Dec. "	<u>280</u>	<u>1.00</u>	24.15
	11,470		
Jan. 1919	430	1.05	
Feb. "	630	1.55	
Mar. "	400	1.00	
Apr. "	1110	2.65	
May "	1060	2.60	
June "	<u>1730</u>	<u>3.60</u>	12.45
	5,360		
	16,830		36.60

WATER FURNISHED MRS. E. P. LUTZ,
4803 EDGEWARE ROAD, KENSINGTON PARK, AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>	
Jan. 1918	360	1.00	
Feb. "	400	1.00	
Mar. "	30	1.00	
Apr. "	470	1.15	
May "	1360	3.05	
June "	1280	2.90	
July "	1190	2.80	
Aug. "	1840	3.75	
Sept. "	1270	2.90	
Oct. "	1110	2.85	
Nov. "	780	1.95	
Dec. "	490	1.20	25.35
	10580		
Jan. 1919	520	1.30	
Feb. "	470	1.15	
Mar. "	260	1.00	
Apr. "	1340	3.00	
May "	1460	3.20	
June "	1810	3.70	13.35
	5860		
	16440		38.70

WATER FURNISHED TO S. R. BEACH, 4508 TERRACE
DRIVE, KENSINGTON PARK, AS FOLLOWS:

<u>MONTH</u>	<u>CU. FT.</u>	<u>AMOUNT</u>	
Jan. 1918	430	1.05	
Feb. "	340	1.00	
Mar. "	150	1.00	
Apr. "	510	1.25	
May "	770	1.90	
June "	890	2.20	
July "	900	2.25	
Aug. "	750	1.85	
Sept. "	570	1.40	
Oct. "	560	1.40	
Nov. "	360	1.00	
Dec. "	<u>180</u>	<u>1.00</u>	<u>17.30</u>
	6,320		
Jan. 1919	330	1.00	
Feb. "	170	1.00	
Mar. "	210	1.00	
Apr. "	330	1.00	
May "	580	1.45	
June "	<u>860</u>	<u>2.15</u>	<u>7.60</u>
	2,480		
	8,800		<u>24.90</u>

BEFORE THE RAILROAD COMMISSION OF THE STATE OF CALIFORNIA.

In the matter of the Application of)
 James A. Murray, William G. Henshaw)
 and Ed Fletcher, Co-partners, doing)
 business under the firm name and)
 style of the Cuyamaca Water Company,) Application No.4670.
 for an order authorizing and permitting)
 them to place a surcharge upon their)
 present rentals, tolls and charges for)
 water furnished by them.)

-APPEARANCES-

- Ed Fletcher, for the Cuyamaca Water Company.
- George & McCoy, for the Consumers of Normal Heights, Kensington Park and Granada Tract, with Judge D.T. Glidden, as of counsel.
- Clarence S. Preston, for various irrigation consumers.
- Marcus W. Roberts, for the consumers of El Cajon.
- D.G. Gordon, in propria persona and temporarily for what has been the C.A. Hooper & Company interests.
- A. Haynes and J.H. Halley, for the Lemon Grove Mutual Water Company.
- George Russell, for the Fairmount Water Company,
- James E. O'Keefe, for the City of La Mesa.
- J.M.C. Warren, for Helix Mutual Water Company.
- E.D. Noble, in propria persona.
- F.J. Lea, in propria persona.
- H.A. Marshall, in propria persona.
- William Steiberg, in propria persona.
- E.W. Moyer, in propria persona.
- O.D. Wilhite, in propria persona.

O P I N I O N

Martin, Commissioner:

This is a proceeding brought by James A. Murray, William G. Henshaw and Ed. Fletcher, co-partners doing business under the firm name and style of the Cuyamaca Water Company for the establishment of a surcharge to be collected by them in addition to the present legal rates.

The application alleges in effect that because of large increases in the cost of labor and material, their expenses have increased so materially that the present rate schedule does not yield a sum sufficient to meet operating expenses, and prays

for an order establishing a surcharge, pending final determination by this Commission of fair and proper rates, sufficient to produce revenue to pay the cost of operation.

A public hearing was held in San Diego on July 22, 1919, at which applicant stated that in addition to asking for an increase due to the increased cost of labor and material, it desired a surcharge to meet an emergency expenditure necessitated by the reconstruction of its so-called El Monte pumping plant, the reconstruction of which is necessary in order to deliver an adequate supply of water during the present irrigation season.

The hearing held at San Diego included partial hearing of the proceedings entitled "In the Matter of the Application of James A. Murray, William G. Henshaw and Ed Fletcher, co-partners, doing business under the firm name and style of the Cuyamaca Water Company, for an order authorizing and permitting an increase in the rentals, tolls and charges for water furnished by them and service rendered by them in furnishing water in the County of San Diego, State of California, Application No. 4515," and "Robert Ross, et al., vs. James A. Murray, Ed Fletcher and William G. Henshaw, co-partners, doing business under the firm name and style of Cuyamaca Water Company, Case No. 1272," and the presentation of evidence relating to the necessity for the immediate establishment of a surcharge to meet the claimed emergency due to increased costs of operation and the cost of reconstructing the El Monte plant. This last proceeding was submitted, briefs filed and is now ready for decision.

It is clearly established and admitted by all that an emergency exists and immediate action must be taken by the Cuyamaca Water Company to reconstruct the so-called El Monte pumping plant in order to prevent serious losses of crops. The consumers contend that

the water shortage is due to lack of foresight on the part of applicant and therefore applicant should bear this additional cost and not be recouped from rates. Applicant, on the other hand, takes the position that conditions have been such during the present season as to have made it impossible to know, prior to this time, that it would be necessary to develop and deliver a supply additional to that available in its impounding reservoirs and the cost of reconstructing its pumping plant is an extraordinary emergency expense to protect its consumers, for which expense it should be recouped by the establishment of a surcharge.

The Cuyamaca Water Company obtains its water supply from the waters of the San Diego River. It has constructed two impounding reservoirs known as the Murray or La Mesa and Cuyamaca. At such seasons of the year as the natural flow of the river is less than is necessary to meet the demands of its consumers, it draws upon the water impounded in these two reservoirs. The Murray Reservoir has a capacity of approximately 6,000 acre feet and the Cuyamaca Reservoir 11,000 acre feet. These two reservoirs deliver water to service areas which are distinct and separate.

From Cuyamaca Reservoir, water is discharged into Boulder Creek from which it is diverted by a small dam some 12 miles below. From the diversion dam it is transmitted a distance of approximately 33 miles by wooden flumes, tunnels and syphons to two small distribution reservoirs known as Eucalyptus and Grossmont or Murray Hill; thence it is distributed through pipes for irrigation and domestic uses.

The Murray Reservoir, which is much lower in elevation than Cuyamaca Reservoir, discharges its impounded water into wood and steel pipes which deliver it to the consumers. When needed, the city of San Diego receives a portion of its supply from this reservoir.

The district served by Murray Reservoir is known as Low service, whereas the district below Eucalyptus Reservoir, which receives its water supply from Cuyamaca Reservoir, is known as High service. The service to consumers in the El Cajon Valley, through which the flume passes and to other consumers along its line, is known as Flume service. The different zones of service will be referred to as above.

From the records of water use and the probable use of the City of San Diego during the remainder of this year, it appears that there is ^{not} only sufficient water impounded in Murray Reservoir to meet this demand, but that a considerable surplus exists. The present shortage of supply is on the high and flume service supplied from Cuyamaca Reservoir. Because of the abundance of water in the Murray Reservoir, the company recently put into operation a pumping plant to lift water from the Low to the High service. This plant is located near the City of La Mesa and is known as the La Mesa Plant. It has a capacity of 133 cubic feet per minute which is insufficient to relieve the existent shortage on the high and flume service.

The El Monte pumping plant, which it is now proposed to rehabilitate, is located in the bed of the San Diego River near the line of the flume at a point approximately 12 miles from Eucalyptus Reservoir. Applicant is now drilling five to seven wells from which the water supply will be obtained. This water will be lifted approximately 320 feet by a centrifugal pump and discharged into the flume. The pump has a capacity of 288,000 cubic feet per day and will have a total output of 39,000,000 cubic feet if operated continuously from the estimated date of completion to January 1, 1920.

The original El Monte pumping plant was purchased in 1914 by the Cuyamaca Water Company. The plant was later rebuilt and new equipment installed. It was operated from time to time as needed until the 1916 flood which damaged it to a material extent, since which

it has not been rebuilt nor put into operating condition. It is now proposed to use some of the equipment formerly in place, and by adding additional materials rehabilitate the plant which will necessitate drilling new wells and the construction of pipe lines, pump house, pump and motor foundations, etc.

Estimates of the cost of rehabilitating the El Monte plant and the La Mesa plant and also the cost of operating these plants for the estimated time necessary to produce an adequate quantity of water for the remainder of the year were submitted at the hearing by applicant's Superintendent and Engineer, Mr. C. Harritt, and by the Commission's engineers. These are as follows:

<u>COST OF REHABILITATION</u>	<u>C. Harritt</u>	<u>Commission's Engineers</u>
El Monte Plant	\$ 5,692 to \$8,000	\$ 5,305
La Mesa Plant	<u>297</u>	<u>297</u>
Total,-	\$ 5,989 to \$8,297	\$ 5,603
 <u>COST OF OPERATION</u>		
El Monte Plant,	\$11,662	\$10,202
La Mesa Plant,	<u>2,755</u>	<u>1,947</u>
Total,-	\$14,417	\$12,149

Both engineers submitted carefully detailed analyses of the estimated cost. Mr. Harritt included in his estimate a larger allowance for contingencies than was included by the Commission's engineers.

The consumers, through their representatives, contend that this expense, made necessary by the water shortage, is due to carelessness and negligence of the company in the operation and development of its system.

It is contended by Mr. Haynes, representing certain water users, that the same emergency which made necessary this expenditure has also produced for the company additional revenue from the sale of water

to the City of San Diego. A number of estimates of the revenue which would be produced during the remainder of this year from this source was submitted, varying in amount from \$35,000 to \$45,000.

In regard to this, attention is directed to this Commission's Decision No.4058, "In the Matter of the Application of James A.Murray and Ed Fletcher for an order fixing rates to be charged and collected for water furnished and to be furnished by them and service rendered by them in furnishing water, and in furnishing, carrying and conveying water in the County of San Diego, State of California, Application No.1231," in which the Commission estimated and included in the estimated income of the company the sum of \$41,316 as the amount which would probably be produced by sales to the City of San Diego. The probable revenue during this year from the City is therefore a part of the gross revenue which the Commission recognized in heretofore establishing rates.

It then remains to determine whether or not the expense incurred, because of the emergency, should be borne by the company or the consumers at this time, or should be amortized over a series of years. It is undoubtedly an extraordinary expense necessitated by the 1916 flood and the extreme drought now existing and the cost of replacing the plant as submitted is not in amount equal to the cost of constructing a new plant, but includes only items of extraordinary maintenance caused by the flood damage of 1916.

A study of the financial condition of applicant discloses that it has sustained practically continuous losses for some time past.

Regardless of whether or not the company has in the past failed to conserve its resources, a question which it is not necessary to pass upon at this time, it was clearly shown at the hearing that the present financial situation of the company is acute.

Almost immediately subsequent to the effective date of the

order establishing the present rates of the Cuyamaca Water Company, prices of materials and labor increased, and since that time have been abnormally high. While this matter cannot be given detailed consideration until such time as the entire rate schedule of applicant is before this Commission, it is a factor in determining whether or not an expenditure such as this should be borne by the consumers or by applicant. The emergency must be met and money expended or the consumers will suffer great loss, and we are confronted with a situation where the utility is not financially prosperous, and in this emergency the expense created because of it must under all the conditions of this case be borne by those receiving the direct benefit. After carefully considering conditions, it appears advisable to establish a temporary surcharge to produce the amount expended by applicant in the operation of the El Monte and La Mesa plants, and also produce at least a portion of its expenditures in rehabilitating these plants.

The question of this Commission's jurisdiction to alter outstanding contracts, must, because of the emergency nature of this proceeding be held in abeyance until such time as hearing is completed in the other proceedings relative to this company now pending before this Commission.

Because of this claim, and in order that no rights which these consumers may have shall be prejudiced, this order will be in nature preliminary and without prejudice to any later determination of these rights by the Commission upon complete hearing.

Careful consideration of the matter of the distribution of this expense among the various consumers clearly leads to the conclusion that this additional expense should be borne by all water users alike, regardless of location, in proportion to the quantity of water used by

them and the surcharge established herein is based upon such distribution.

O R D E R

James A. Murray, Wm. G. Henshaw and Ed Fletcher, co-partners doing business under the firm name and style of the Cuyamaca Water Company having applied to this Commission for authority to establish and collect a surcharge for water delivered by them to their consumers and a public hearing having been held, briefs filed and being ready for decision,

IT IS HEREBY FOUND AS A FACT that an emergency exists necessitating increased production of water at an increased cost and that to meet this cost a surcharge should be established over and above legal rates for water heretofore in effect; and that the rates heretofore in effect, insofar as they differ from the rates herein established, are unreasonable and unjust and that the rates herein established are just and reasonable, and basing its order upon the foregoing findings of fact and upon further statements of fact contained in the opinion which precedes this order,

IT IS HEREBY ORDERED, that Jas. A. Murray, Wm.G.Henshaw and Ed Fletcher be and they are hereby authorized and directed to file with this Commission within 20 days from date of this order the following rate to be charged by them in addition to the rates heretofore in effect for all water delivered by them to their consumers, effective for all meter readings subsequent to the date of this order: For all water delivered two cents per 100 cubic feet in addition to the rates heretofore collected.

IT IS HEREBY FURTHER ORDERED that the above emergency rate will remain in effect until January 1, 1920, unless otherwise ordered by this Commission.

IT IS HEREBY FURTHER ORDERED that applicant herein submit

reports monthly showing costs of operation and reconstruction of its El Monte and La Mesa pump plants and details of the amount paid to it by its consumers under the above established rate.

The foregoing opinion and order are hereby approved and ordered filed as the opinion and order of the Railroad Commission of the State of California.

Dated at San Francisco, California, this 11th day of August, 1919.

EDWIN O. EDGERTON

H.D. LOVELAND

FRANK R. DEVLIN

IRVING MARTIN

(SEAL) A True Copy

H.G. MATHEWSON,
Assistant secretary,
Railroad Commission,
State of California.

4 IN THE MATTER OF THE APPLICATION OF)
5 JAMES A. MURRAY, WILLIAM G. HENSHAW)
6 AND ED. S. FLETCHER, CO-PARTNERS DO-)
7 ING BUSINESS UNDER THE FIRM NAME)
8 AND STYLE OF THE CUYAMACA WATER COM-)
9 PANY, FOR AN ORDER AUTHORIZING AND)
10 PERMITTING THEM TO PLACE A SUR-)
11 CHARGE UPON THEIR PRESENT RENTALS,)
12 TOLLS AND CHARGES FOR WATER FURN-)
13 IShed BY THEM, SUCH SURCHARGE BEING)
14 NECESSARY ON ACCOUNT OF THE)
15 INCREASED COST OF OPERATION.)

STATEMENT OF JAMES E.
O'KEEFE ON BEHALF OF
WATER CONSUMERS OF THE
CITY OF LA MESA.

11 From the rulings of the Commissioner before whom the
12 above entitled matter was heard, we would conclude that two
13 questions would be considered by said commission in reaching its
14 conclusion in said matter.

15 First, as to the necessity of installing the El Monte
16 pumping plant.

17 Second, if the necessity exists, should a surcharge
18 or temporary increase of water rates be authorized to meet the
19 expenses of installing and operating said plant.

20 We believe the necessity exists for installing said
21 plant.

22 As to the increase of water rates for rehabilitating
23 and reinstalling and operating said plant we do not believe that
24 such a condition or emergency exists as would authorize in this
25 proceeding a surcharge. From the evidence given at the hearing
26 it appears that applicants have been ordered by said commission
27 to install said pumping plant. That the installation thereof
28 has been proceeding for several weeks. The evidence at the
29 hearing and all the circumstances would clearly indicate that
30 said plant would be installed and operated irrespective of the
31 decision of the commission relating to the surcharge.

32 We therefore submit that no such emergency exists as would
33 authorize the placing of a surcharge.

1 The question as to whether or not the consumers should
2 be required to pay the costs of installing and operating said
3 plant, or what proportion thereof they should be called upon to
4 stand could not fairly be determined until a full and complete
5 hearing was had in the matter, and the consumers given an
6 opportunity to show if they could that the present condition,
7 which said Water Company finds itself in, is due to its own
8 neglect, or that the net profits would not warrant an increase
9 in rates and the many other matters which would necessarily have
10 to be considered by this commission before reaching its conclusion,
11 and it is therefore a question which should be properly considered
12 in the application of said parties, No. 4515.

13 Considering further the question as to whether or not
14 the El Monte pumping plant would be installed and operated if a
15 surcharge upon the present rentals is not allowed, we cannot
16 understand how such an order, if made, would have any material
17 effect upon the ability of the company to finance said installation
18 and operation, the extra revenue derived would not be forthcoming
19 until after the expense was incurred, and we venture to say that
20 a banker would not consider that the granting of such surcharge
21 would attach much if any additional financial standing to said
22 Cuyamaca Water Company, or to the gentlemen composing the same.
23 Further, as a business proposition the said Water Company could
24 not afford to not install and operate said plant, for the
25 additional water pumped thereby will yield large revenue to said
26 company, and will enable the company to continue its contract
27 with the City of San Diego in delivering water from Murray Dam,
28 the water from El Monte plant supplying the higher areas which
29 are now drawing from the Murray dam. Said applicants will
30 thereby be assured of large revenues coming from the sale of
31 water to the City of San Diego during the next three or four
32 months.
33

1 We respectfully submit that the said Railroad Commission
2 will be in a better position to decide this matter when it is
3 fully informed of the circumstances and conditions of which the
4 consumers complain and which will be brought out in the hearing
5 on application No. 4515, and that justice can be more fully done
6 to all parties concerned by the commission reserving its decision
7 in the matter now before it until the hearing referred to.
8 Respectfully submitted.

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11 James E. O'Keefe
12 Representing the Water Consumers
13 of the City of La Mesa.
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Application No. 4670.

BEFORE THE RAILROAD COMMISSION
OF THE STATE OF CALIFORNIA.

IN THE MATTER OF THE APPLICATION
OF JAMES A. MURRAY, WILLIAM G.
HENSHAW AND ED. S. FLETCHER, CO-
PARTNERS DOING BUSINESS UNDER THE
FIRM NAME AND STYLE OF THE
CUYAMACA WATER COMPANY, FOR AN
ORDER AUTHORIZING AND PERMITTING
THEM TO PLACE A SURCHARGE UPON
THEIR PRESENT RENTALS, TOLLS AND
CHARGES FOR WATER FURNISHED BY
THEM, SUCH SURCHARGE BEING
NECESSARY ON ACCOUNT OF THE
INCREASED COST OF OPERATION.

STATEMENT OF JAMES E. O'KEEFE
ON BEHALF OF WATER CONSUMERS OF
THE CITY OF LA MESA.

1
2
3 IN THE MATTER OF THE APPLICATION OF
4 JAMES A MURRAY, WILLIAM G. HENSHAW
5 AND ED. S. FLETCHER, CO-PARTNERS DO-
6 ING BUSINESS UNDER THE FIRM NAME
7 AND STYLE OF THE CUYAMACA WATER COM-
8 PANY, FOR AN ORDER AUTHORIZING AND
9 PERMITTING THEM TO PLACE A SUR-
10 CHARGE UPON THEIR PRESENT RENTALS,
11 TOLLS AND CHARGES FOR WATER FURN-
12 ISHED BY THEM, SUCH SUR-CHARGE
13 BEING NECESSARY ON ACCOUNT OF THE
14 INCREASED COST OF OPERATION.

BRIEF OF
D. G. Gordon
Clarence S. Preston
~~James H. O'Keefe~~
George & McCoy and
D. F. Glidden
Representing various
water consumers.

15 The undersigned attorneys, D. G. Gordon, representing
16 himself and what were formerly the C. H. Hooper interests,
17 Clarence S. Preston, representing Mrs. E. F. Paul and forty six
18 other irrigation consumers on the flume line, ~~James O'Keefe~~
19 ~~representing water consumers of LaMesa,~~ George & McCoy and
20 D. F. Glidden representing the water consumers of Normal Heights
21 Kensington Park and the Granada Tract and various irrigation
22 consumers in the El Cajon Valley, respectfully submit the
23 following brief:

I.

24 The applicants ask the Commission to authorize and
25 permit them to install and place into effect a sur-charge on
26 their present rates, fares, tolls and charges on the ground
27 that the operating revenues for 1919 are insufficient to pay
28 operating expenses and provide for the extrodinary expense of
29 installing and operating the El Monte pumping plant. The first
30 of these alleged needs is set forth in the application. The
31 second is not mentioned therein and was not claimed prior to
32 the hearing.

II.

33 The consumers oppose the placing of this sur-charge
upon the following grounds:

1. Consumers admit the necessity for installing and operating the El Monte pump exists, but deny that there is now or will be insufficient operating revenues to install and operate this pump and pay the ordinary operating expenses.
2. The applicants are responsible for the condition which makes the installation and operation of the El Monte pumping plant necessary and should pay the expenses.
3. The applicants are financially able to install and operate this pumping plant and meet the emergency created through their own fault and pay the other ordinary expenses for the year 1919 even if operating revenues were insufficient to cover the cost and the question of final payment, whether by the consumers or by the applicants, can be adjusted in the hearing on the application of the applicants for general increase in rates, now pending.
4. The evidence shows that with the increased revenue from water to be taken by the city of San Diego, the operating revenue up to the end of 1919, will be \$116,660.03 This will be ample to pay the expense of operation, install and operate this pumping plant and leave a balance of more than \$35,000. (See EXHIBIT No. _____ of Consumers copy which is attached to this brief)
5. If the operating revenues were insufficient to cover these expenses and additional revenue were needed, then the rate for water sold to the City of San Diego should be increased to meet this expense, because the evidence shows this water is being sold ^{the City} at an actual loss. The Commission in Application No. 547 found the average cost of delivery of water at the gates of San Diego to be 9.73 cents per One Thousand gallons. Decision 2531 on application 1432 of the Cuyamaca Water Company shows this and also that the Cuyamaca Water Company at that time claimed that it

1 cost the company 10.9 cents to deliver water at the city
2 gates. The cost of labor and material have almost doubled
3 since then, as shown by the applicants own exhibits; hence
4 it clearly appears that the Company in the face of its
5 application for sur-charge has just entered into a contract
6 to sell a maximum of approximately One Billion gallons of
7 water to the city at less than cost, and there is no showing
8 made that the city could not pay and would not be willing
9 to pay the actual cost of this water at least.

10 6. The right of applicants to pump at the San Diego River
11 at El Monte is contested and is now before the Courts and
12 applicants are in jeopardy of having their pumping opera-
13 tions stopped at any moment.

14 7. The irrigation consumers as shown by the evidence
15 are already paying a higher rate than the service is worth
16 and far more than it costs them to pump water from their
17 own wells, and it is especially unjust to them to require
18 them to pay more when the Company is selling to the City
19 of San Diego at less than cost.

20 8. The so-called domestic consumers ^{supplied} from Murray
21 Dam insist that there is no shortage of water insofar as
22 they are concerned, that they are already paying rates that
23 are prohibitive, and that do not permit them to use water
24 for their gardens and lawns. A rate that has caused the
25 average consumer to use only just such water as he must
26 have for purely household purposes and has destroyed
27 gardens, lawns, orchards and shubbery throughout the entire
28 section, and it is unjust to require them to pay an ad-
29 ditional charge and sell water to the city of San Diego
30 at less than cost.

31 9. Applicant admitted that the income from sales to the
32 City of San Diego were to be applied, not to operating
33 expenses, but to payment for a capital expenditure -

1 completing the big 20 inch main on El Cajon Avenue. We
2 submit that it would be rank injustice to the consumers
3 to permit the applicants to apply their operating revenues
4 to pay capital expenditures and levy a sur-charge upon the
5 consumer to make up any deficiency that might be caused
6 thereby.

7
8 10. Water consumers holding so-called water contracts with
9 the old San Diego Flume Company insist that any action
10 taken under this application shall not prejudice the full
11 assertion of their rights hereafter when the application for
12 general increase of rates is heard. It was impossible for
13 them to present full evidence in support of their claims
14 in this regard at the sur-charge hearing.

15 III.

16 A R G U M E N T

17 AND ELABORATION OF GROUNDS GIVEN ABOVE.

18 We will take up briefly the various grounds set forth above
19 in the order named.

20 1. Point One needs no discussion. Everybody admits that
21 the pumping plant at El Monte should be installed as quickly
22 as possible.

23 2. The applicants are responsible for the conditions which
24 make installation and operation of the El Monte plant nec-
25 essary.

26 (a) A reasonable regard for their obligation to flume line
27 consumers required that unless the applicants preferred and
28 contemplated pumping from the river and were assured that
29 they had funds with which to install and operate the service
30 and would not be restrained from doing so, that they should
31 have drawn on the reserve supply from Murray Dam at all
32 times since the first of May instead of from July 19th.
33 The testimony of the applicants show that the company has

1 had ample supply of water in Murray Dam at all times and
2 that the fixed obligations of the company in the territory
3 known as the "High Service", meaning the territory between
4 the El Cojon Valley and the former stand pipe, amounted to
5 only 140 inches, and the Company's Superintendent claims
6 they will pump back to that little service area 130 inches.
7 It is therefore necessary to draw on the supply above the
8 High Service territory (or the Cuyamaca Reservoir) 10
9 inches to meet the fixed obligations of the company for
10 the above High Service area.

11 The reason why only 130 inches may be pumped back is
12 that the pipe line is too small to carry more than that
13 quantity. Had applicants began pumping back from Murray
14 Reservoir on May 1st instead of July 19th there would have
15 been available for the flume line consumers the entire
16 supply from the Cuyamaca Reservoir (excepting 10 inches
17 for the high service) or approximately 190 inches of water.
18 This would have been ample to supply the fixed obligations
19 to the flume line consumers, and the excess over the
20 pumping capacity in the "High Service" area until the
21 end of 1919.

22 (b) Testimony further shows that there has been an abnormal
23 loss of 33% of the water drawn from the Cuyamaca Lake in
24 passing through the dilapidated condemned flume line.

25 The Railroad Commission's engineer, Mr. Loveland testified
26 that this loss should not exceed 20%. The evidence shows
27 clearly that the paper lining in the flume is in rags
28 in many places, that the flume is leaking and that there
29 have been two serious breaks entailing losses of many
30 millions of gallons of water, all due to the fault of the
31 applicant. The applicants should therefore install and
32 operate the El Monte pumping plant at their own expense.

33 (c) Furthermore the \$64,755.15 expense of operating for

1 1918, which we have taken as the expense for 1919, is grossly
2 excessive. Applicants Exhibit 5 shows that in round numbers
3 \$35000. of this expense, or more than half of the whole,
4 has been spent in repairs of the transmission and distribu-
5 tion system carried in the fixed capital account of the
6 Company, in its report for 1918, as of the value of only
7 \$87,435.25 (See schedules A-5 and A-6, report of the
8 Cuyamaca Water Company to the Railroad Commission for
9 1918) Thus more than 40% of the whole value of the trans-
10 mission system is being spent annually for the repairs of
11 that system and taxed against the consumer. Of this sum
12 \$11,884.98 was spent in 1918 for repairs to the rotten
13 paper lined flume, and \$16,158.37 for repairs to equally
14 bad transmission and distribution mains.

15 We submit therefore that the applicants are responsible
16 both for the shortage of water and the shortage, if any,
17 of revenue, and that they should be required to install
18 and operate the El Monte pumping plant and provide for any
19 deficit at their own expense.

20 3. The applicants are financially able to install and
21 operate this pumping plant and meet the emergency thus
22 created through their own fault, and also pay the other
23 expenses for the year 1919, even if operating expenses
24 were insufficient to cover the cost.

25 It appears that the applicants, James A. Murray,
26 H. G. Henshaw and Ed. Fletcher, are co-partners as the
27 Cuyamaca Water Company; the first named owning 10/12"
28 interest, the other two 1/12" each; that Fletcher is the
29 only active member within the state; that Murray is a
30 non-resident of the state of California, and has no other
31 interests than his interest in said firm within the state
32 of California worthy of mentioning in this connection;
33 that Murray lends no credit voluntarily to the concern,

1 though reputed to be a wealthy man; that Fletcher refuses
2 to allow the further use of his name and individual credit
3 as an endorser on the paper of the firm or otherwise, un-
4 less his co-partners join him in so doing.

5 It is well known that the three purchased the assets
6 of the old San Diego Flume Company when its flume, pipe
7 lines and conduits were practically worn out and that they
8 have allowed it to continue in a run down condition, except
9 that the wooden flume has been lined with paper. During all
10 the years of their ownership they have controlled, and
11 they now control, a large and extensive water-shed, and
12 during all of that time they have failed to construct any
13 impounding reservoirs in the mountains or canyons tribu-
14 tary to said water-shed.

15 By the ownership and control of this public use
16 they have hindered its enlargement and development and
17 have prevented said water-shed being utilized and have
18 prevented and now prevent other persons, associations or
19 capital from developing the same; that it is the belief
20 of the patrons of the applicants -- the consumers of water --
21 that in all fairness to the persons and property dependent
22 on the plant of applicants for water for irrigation and for
23 domestic purposes, that had applicants heretofore en-
24 larged the impounding capacity as above suggested, there
25 would be no necessity of installing the El Monte pumps
26 at this time or at any time and, therefore, the failure
27 and fault is that of the applicants, and the consumers
28 should not be called upon to bear the proposed sur-charge.

29 It is apparent from all the facts before the
30 Commission, or should be apparent, that this partnership
31 is endeavoring to keep beyond the influence or control
32 of the Honorable Board of Railway Commissioners and remain
33 as a co-partnership instead of a California Corporation,

1 solely for that purpose -- for the purpose of evasiness. Had
2 the Cuyamaca Water Company had at heart the interest of the
3 real beneficiaries of this great public use and trust, and
4 used the credit of the enterprise backing it up with their
5 own credit, and had improved the property as they should have
6 done, a pumping plant at El Monte would not now be required.
7 They, by the violation of their trust have brought about
8 the present conditions -- that is to say a threatened
9 shortage of water, and they should be ordered to find
10 and provide the remedy.

11 Mr. Fletcher testified that while preliminary steps
12 have been recently taken for incorporating the Cuyamaca
13 Water Company, yet they would not incorporate until they
14 became informed of the future attitude or disposition of
15 the Railway Commission towards such proposed corporation.

16 4. But the evidence shows that with the increased revenue
17 from the water to be taken by the City of San Diego, the
18 operating revenues up to the end of 1919 will be \$116,660.03
19 -- ample to pay the ordinary expense of operation of the
20 plant, and the installation and operation of the pumping
21 plant, and leave a balance of more than \$35,000.
22 In support of this the consumers have submitted as evidence
23 the resolution of the City Council (EXHIBIT No. _____)
24 and the statement of the operating revenues and operating
25 expenses for the year 1919, compiled from EXHIBITS 5 - 7 -
26 and 10 of the applicant. (EXHIBIT No. _____ of the
27 Consumers) Copies of both of these exhibits are attached
28 to this Brief. It will be seen that the Resolution of
29 the City Council is to constitute and be considered as a con-
30 tract between the parties, whereby the City of San Diego
31 agrees to purchase Three Million gallons of water daily
32 for a period of three months, and thereafter such additional
33

1 amount not to exceed Seven Hundred and Thirty Million gallons
2 to be delivered in quantities of not less than Three Million
3 gallons daily, as in the judgment of the manager of operations
4 conditions may require.

5 So long as the water shortage necessitating the operation
6 of the El Monte pumps continues, the necessity for supply-
7 ing water to the City of San Diego will continue.

8 The report of the Cuyamaca Water Company to the Rail-
9 road Commission for the year 1918, introduced in evidence,
10 shows that the city continued to purchase water up to and
11 including December 1918, and it is admitted that the water
12 shortage this year is more acute by far than last year;
13 hence there appears to be no doubt whatever that the city
14 will consume water at the rate of Three Million gallons
15 per day to the end of the present year, and revenues from
16 the sale of this water added to the revenue of the water
17 supplied to their regular consumers, will give the appli-
18 cants a return of \$116,660.03 -- and as stated this will
19 install the El Monte pumping plant, pay all of the operating
20 expenses computed on the basis of the expense for 1918, and
21 leave a balance of more than Thirty Five Thousand dollars
22 in the treasury.

23 As a consequence of a lack of rain in the latter part
24 of the last rainy season, the applicants will have a greatly
25 increased income, not only because of increased sales of
26 irrigation water, but because of large sales to the city
27 of San Diego, and this increased income will very greatly
28 exceed the cost of installing and operating pumps. The
29 irrigators under said system will, because of said lack of
30 rain, suffer great loss because of shortage of crops and
31 greatly increased outlay for water, whether pumped from their
32 own wells or bought from the applicants at the present rates.
33

1 The applicants ask that they shall have all of the benefits
2 from the lack of rain and that the farmers will bear all the
3 losses, including the cost of installing and operating the
4 El Monte pumps. The claim of the applicants that an im-
5 mediate order for sur-charge is needed to enable the in-
6 stalling of pumps, cannot be treated seriously.

7
8 5. As to Point Five above we deem it unnecessary to
9 elaborate upon the statement of the proposition already given.
10 It is so manifestly unfair to levy a sur-charge upon regular
11 consumers to meet extraordinary demands and at the same time
12 sell water to a new consumer, who is up against the same
13 emergency, for less than cost, that argument is unnecessary.

14 6. The irrigators along the flume lines have reason to
15 believe, and do believe that the people having riparian rights
16 along the San Diego river will apply for an injunction to
17 restrain the applicants from pumping any water from the
18 San Diego river, and they therefore fear that no supply of
19 water will actually be available from the river in the near
20 future. They therefore respectfully ask that in view of this
21 uncertainty and the possibility of breakdowns, all of the
22 water in the Cuyamaca Reservoir be used exclusively to supply
23 water to flume line consumers and that the supply to High
24 Service consumers be limited to the legal obligations to
25 such consumers under their old water contracts and that
26 the applicants be ordered to continue pumping back from
27 Murray Reservoir to the limit of the capacity of the pipe
28 to supply the "High Service" consumer.

29 In this connection we call the attention of the
30 Commission to the fact that in 1913 when, under the orders
31 of the Commission, the applicants attempted to pump from
32 the San Diego river bed, the riparian owners applied for an
33 injunction to restrain them from doing so, that the suit for
such injunction is still pending, and we claim there is no

1 legal obstacle in the way of the riparian owners filing a
2 similar complaint at any time.

3 7-8

4 Propositions 7 - 8 we think need no extended elabora-
5 tion. The fact that water is pumped by the irrigation
6 consumers in ElCajon Valley cheaper than it is supplied the
7 same consumer by the applicant is not controverted, neither
8 is it controverted that the rates of domestic consumers,
9 including LaMesa, Granada, Normal Heights and Kensington
10 Park are practically prohibitive for irrigating purposes,
11 even for gardens and lawns, and that the use is limited
12 practically to household use. It is also admitted that
13 practically all of these consumers are being supplied
14 from Murray dam where there is ample water, and as pointed
15 out before, it is manifestly unjust to place a sur-charge
16 upon any of these consumers when the applicant is selling
17 water to the City of San Diego for less than cost.

18 9.

19 As to Point 9. We submit that a sur-charge to cover a
20 capital expenditure is not justified even if the expenditure
21 is in the nature of an emergency, if the operating revenues
22 are sufficient to pay the expense, and as shown above they
23 are sufficient. It is not claimed that the 20 inch main in
24 ElCajon Avenue must be put in to meet any present emergency
25 or shortage of water. This 20 inch pipe line is far in excess
26 of the present needs of the consumers. All the regular
27 consumers of the company below Murray dam and the city of
28 San Diego have been taken care of for five years ^{by} the leaky
29 14 inch flume on El Cajon Avenue, that has lost and is still
30 losing a large percentage of the water.

31 No principal of rate making is better established than
32 that consumers may not be taxed for a plant in excess of
33 present needs, yet it is proposed to divert present earnings
from operation to pay for this 20 inch main and put a sur-
charge upon the consumers to make up a deficiency in revenues

1 thus created.

2
3 S U M M A R Y

4 Summing up then we submit that the situation is this:

5 There is neither shortage of water nor deficiency in
6 revenue creating an emergency now justifying a sur-charge. The
7 applicants simply by mismanagement and neglect have their reserve
8 water stored in the wrong place so that it is not available to
9 supply certain of their consumers whose supply is threatened
10 because of the neglect and waste of applicants. They ask the
11 Commission to permit them to sell this reserve supply to an
12 outside consumer at less than cost, and permit them to pocket
13 the proceeds and apply it entirely to a capital expenditure,
14 and then tax a sur-charge against all their regular consumers
15 to meet the extraordinary expense of supplying additional water
16 for them. Such a request should not only be denied; but it is so
17 manifestly unjust that we feel the costs of all the proceedings,
18 including the costs of the consumers in defending their rights,
19 should be taxed against the applicants personally, if it is
20 within the power of the Commission to do so, as a fitting rebuke
21 and punishment.

22 W G Gordon
23 Edwence S Preston
24 George and Metcalf
25 W F Shadden

26
27 Attorneys for Consumers

28 named above.
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RESOLUTION NO. 24705.

FOR THAT WHEREAS, it is deemed advisable to add to the water supply of the City of San Diego, and to reduce as far as convenience will allow, the draft upon the present water supply,

NOW, THEREFORE,

BE IT RESOLVED By the Common Council of The City of San Diego, as follows:

That the Manager of Operation of the City of San Diego be, and he is hereby authorized and directed to immediately have the proper connection made for the delivery, and to have delivered by the Cuyamaca Water Company, to the City of San Diego not less than three million gallons of water daily for a period of three months, and thereafter such additional amount not to exceed seven hundred thirty million gallons, to be delivered in quantities of not less than three million gallons of water daily, as in the judgment of the Manager of Operation conditions may require.

That the price to be paid for said water shall be ten cents per thousand gallons, measured at the point of connection between the water mains of the Cuyamaca Water Company and those of the City of San Diego. Payments shall be made monthly for water furnished during the preceding month. All payments for water furnished during the year 1919 shall be made from Item 5218, Series P, Operating Department Fund, as provided by Section 12 of Ordinance No. 7728 of the ordinances of said City of San Diego.

The delivery of water by the Cuyamaca Water Company, pursuant to the terms of this resolution, and the acceptance of the same by the City of San Diego, shall not be construed by either of said parties as a waiver of any claim that either party may now have to the waters of the San Diego River, or any part thereof, nor shall the furnishing of water, pursuant to the terms of this resolution, be considered as an acknow-

ment by either party of any claim the other party may now assert to the waters of said river, now shall any prejudice to either party result therefrom, neither shall this resolution, or the acceptance or furnishing of water thereunder, be construed or understood by either party as a waiver or recognition of any claim or right either party now has or claims to have, or the basis upon which to hereafter formulate claim or right to the waters of said river.

The accepting of water by the City of San Diego and the furnishing of water by the Guyamaca Water Company, under the terms of this resolution, shall constitute an acceptance of the terms herein mentioned, and the same shall hereafter be considered as a contract between the parties.

I HEREBY CERTIFY the above to be a full, true and correct copy of resolution No. 24705 of the Common Council of the City of San Diego, as adopted by said Council July 21st, 1919.

Allen H. Wright

City Clerk

By _____

Deputy.

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BY DIRECTOR OF PUBLIC WORKS
BY CITY CLERK
BY ATTORNEY GENERAL
BY GEORGE S. WOOD

ESTIMATED EARNINGS BY MONTHS FOR THE YEAR 1919, BASED ON THE ACTUAL EARNINGS FOR THE FIRST SIX MONTHS OF 1919 AND THE LAST LAST SIX MONTHS OF 1918.

Jan. 1919.	Actual Earnings	(Applicants' Ex. 100	\$ 2320.70	
Feb. "	"	"	1971.88	
Mar. "	"	"	1620.55	
Apr. "	"	"	3834.45	
May "	"	"	6594.15	
June "	"	"	8287.95	
July 1918	Actual Earnings	"	7425.35	These sums do not include water sold San Diego.
Aug. "	"	"	7417.35	
Sep. "	"	"	7531.90	
Oct. "	"	"	6429.94	
Nov. "	"	"	2508.00	
Dec. "	"	"	2056.00	
Total			<u>\$69208.22</u>	
Plus non-operating revenue, 1919.			2451.81	
GRAND TOTAL			<u>\$71660.03</u>	

Prospective revenue from the City Of San Diego under Contract already executed with the City ... \$45000.00
TOTAL ESTIMATED REVENUE FOR 1919 \$116660.03

Estimated operating expenses based on the actual operating expenses for the year 1918 as shown by Applicants' exhibit numbered 5. \$ 64755.15.
Net Profit \$ 51904.88

Deducting the estimated cost of installing and operating the El Monte pumping plant as shown by Exhibit 15 \$ 15894.65

Leaves to be applied to any possible increase in operation expenses the sum of \$ 35910.03

NOTE. These expenses, \$64755.15, are the actual expenses of operation for the 1918 shown on applicants' Exhibit 5. Applicants exhibit 5 compared with their Exhibit 7 show that the actual operating expenses for January, February, March and April, 1919, were \$1988.02 less than for the corresponding months in 1918. Hence it can hardly be fairly claimed that the operating expense for the whole of 1919 will greatly exceed the operating expense for the year 1918.

GEORGE & MCCOY
 ATTORNEYS AT LAW
 612-614 CENTRAL MTO. BLDG.
 SAN DIEGO, CALIFORNIA

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BEFORE THE RAILROAD COMMISSION
OF THE STATE OF CALIFORNIA

*** 0 0 0 ***

IN THE MATTER OF THE APPLICATION OF JAMES A. MURRAY, WILLIAM G. HENSHAW AND ED. S. FLETCHER, Co-PARTNERS DOING BUSINESS UNDER THE FIRM NAME AND STYLE OF THE CUYAMACA WATER COMPANY, FOR AN ORDER AUTHORIZING AND PERMITTING THEM TO PLACE A SUR-CHARGE UPON THEIR PRESENT RENTALS, TOLLS AND CHARGES FOR WATER FURNISHED BY THEM, SUCH SUR-CHARGE BEING NECESSARY ON ACCOUNT OF THE INCREASED COST OF OPERATION.

--- oOo ---

B R I E F O F

D. G. Gordon
Clarence S. Preston
James E. O'Keefe
George & McCoy and
D. F. Glidden,
Representing various
water consumers.

RESOLUTION NO. 24705.

1
2 FOR THAT WHEREAS, it is deemed advisable to add to the water
3 supply of the City of San Diego, and to reduce as far as convenience
4 will allow, the draft upon the present water supply,

5 NOW THEREFORE,

6 BE IT RESOLVED By the Common Council of The City of San Diego, as
7 follows:

8 That the Manager of Operation of The City of San Diego be, and he
9 is hereby authorized and directed to immediately have the proper connec-
10 tion made for the delivery, and to have delivered by the Cuyamaca Water
11 Company, to The City of San Diego not less than three million gallons
12 of water daily for a period of three months, and thereafter such addi-
13 tional amount not to exceed seven hundred thirty million gallons, to be
14 delivered in quantities of not less than three million gallons of water
15 daily, as in the judgment of the Manager of Operation conditions may
16 require.

17 That the price to be paid for said water shall be ten cents per
18 thousand gallons, measured at the point of connection between the water
19 mains of the Cuyamaca Water Company and those of The City of San Diego.
20 Payments shall be made monthly for water furnished during the prededing
21 month. All Payments for water furnished during the year 1919 shall be
22 made from Item 5218, Series P, Operating Department Fund, as provided
23 by Section 12 of Ordinance No. 7728 of the ordinances of said City of
24 San Diego.

25 The delivery of water by the Cuyamaca Water Company, pursuant to
26 the terms of this resolution, and the acceptance of the same by The
27 City of San Diego, shall not be construed by either of said parties as
28 a waiver of any claim that either party may now have to the waters of
29 the San Diego River, or any part thereof, nor shall the furnishing of
30 water, pursuant to the terms of this resolution, be considered as an
31 acknowledgment by either party of any claim the other party may now
32 assert to the waters of said river, nor shall any prejudice to either
33 party result therefrom, neither shall this resolution, or the accept-

ESTIMATED EARNINGS BY MONTHS FOR THE YEAR 1919, BASED ON THE ACTUAL EARNINGS FOR THE FIRST SIX MONTHS OF 1919, AND THE LAST SIX MONTHS OF 1918.

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Jan. 1919.	Actual Earnings	(Applicants' Ex. 10)	\$ 2320.70
Feb. "	"	"	1971.88
Mar. "	"	"	1830.55
Apr. "	"	"	2834.45
May. "	"	"	6594.15
June "	"	"	8287.95
July 1918.	Actual Earnings	"	7425.35
Aug. "	"	"	7417.35
Sep. "	"	"	7531.90
Oct. "	"	"	6429.94
Nov. "	"	"	3508.00
Dec. "	"	"	2056.00
Total			\$69208.22
Plus Non-operating Revenue, 1918			2451.81
GRAND TOTAL			\$71660.03

These items do not include water sold San Diego

Prospective revenue from the City of San Diego Under Contract already executed with the City \$45000.00
TOTAL ESTIMATED REVENUE FOR 1919 \$116660.03

Estimated operating expenses based on the actual operating expenses for the year 1918 as shown by Applicants' exhibit numbered 5. \$ 64755.15
Net Profit \$ 51804.88

Deduct the cost of installing and operating the El Monte pumping plant as shown by Exhibit 13. \$ 15804.85
 Leaves to be applied to any possible increase in operating expenses the sum of \$ 35910.03

NOTE: These expenses, \$64755.15, are the actual expenses of operation for the year 1918 shown on applicants' Exhibit 5. Applicants' exhibit 5 compared with their exhibit 7 shows that the actual operating expenses for January, February, March and April, 1919 were \$1988.02 less than for the corresponding months in 1918. Hence it can hardly be fairly claimed that the ordinary operating expense for the year 1919 will greatly exceed the operating expense for the year 1918.

GEORGE & MCCOY
 ATTORNEYS AT LAW
 612-614 CENTRAL MFG. BLDG.
 SAN DIEGO, CALIFORNIA

1 BEFORE THE RAILROAD COMMISSION

2 OF

3 THE STATE OF CALIFORNIA.

4 IN THE MATTER OF THE APPLICATION)
5 OF THE CUYAMACA WATER COMPANY)
6 NO. 4670 for RATES OF SURCHARGE)
FOR PUMPING WATER.)

7 To the Hon. Railroad Commission of the State of California.

8 As we understand, the application No. 4670 has been submit-
9 ted upon the single question as to whether a surcharge rate should
10 be imposed upon the consumers of water under the Cuyamaca System
11 to meet the extraordinary cost of supplementing the water supply of
12 the system, by pumping operations to continue during the dry season
13 of the year 1919.

14 The necessity is conceded on all hands to exist, because of
15 the demonstrated deficiency in the season's supply for the consum-
16 ers under the flume and the high service distributing systems, owing
17 to the early failure of the run-off of the San Diego river and its
18 tributaries, and the consequent increased draft on the Cuyamaca dam
19 which has drawn down the storage in it so that for the safety of
20 the flume system, the furnishing of water from that dam beyond the
21 quantity necessary to prevent drying out of the flume, must cease
22 at an early date.

23 The Murray dam at the lower end of the system has stored
24 water in excess of the amount necessary to supply the regular con-
25 sumers who can be served by it by gravity flow, and those under
26 what is known as the high service distributing systems who can be
27 served to the extent of the capacity of a "Booster" pump drawing
28 from the Murray dam at a maximum of 133 Cubic feet per second.

29 The recommendation of Mr. Loveland engineer to the Commis-
30 sions is that this "Booster" pump be installed and used for a period
31 estimated at 42 days, until the Monte plant can be rehabilitated and
32 put in operation, when the "Booster" pumping should be superseded.

1 We concur in this suggestion of Mr. Loveland and submit that
2 it should be approved by the Commission

3 We adopt what appears to be the carefully considered esti-
4 mate of Mr. Loveland as to the cost of installation of the Monte
5 plant and of its operation for the period of 135 days from the date
6 of its installation, which we infer would be from about Aug. 15,
7 1919, and of the estimated yield during the period of four months
8 fifteen days up to January 1, 1920 of 288,000 cubic feet per day.

9 The following concise statement of the estimated cost of
10 installation and operation of Monte Pumping Plant and data of cap-
11 acity of the same to furnish water for a period of 135 days is
12 taken from the "Exhibit 1" filed by Mr. Loveland as engineer to the
13 Commission:

<u>EL MONTE</u>	
"Cost of installation -----	\$ 5305.90
If installation considered as chargable to rates, then cost per day is -----	39.30
Cost for 100 cubic feet is-----	.0136
" " 1000 gallons-----	.0181
Cost of operation only 135 days	10202.50
" " " per day	75.58
" per 100 cubic feet pumped--	.0262
" " 1000 gallons	.0349
<u>Total Cost</u>	
(Total cost per 100 cubic feet--	.0398
" " " 1000 gallons-----	.0530 "

23 The Engineer's estimate of the capacity of the Monte Plant
24 for 135 days is at the rate per day, of 288,000 cubic feet.
25 Upon this estimate it appears that the cost of installation con-
26 sidered as chargable to rates, distributed over 135 days is at a
27 cost per day of-----\$39.30

28 And that the cost of operation for the period of 135 days
29 is per day the sum of-----\$75.58

30 And therefore that the total cost of installation and op-
31 eration for the period of 135 days from the expected date of instal-
32 lation of August 15th 1919, to wit up to January 1, 1920 is per
day -----\$114.88

1 It appears from the evidence that the water company commenced
2 on July 14, 1919 to deliver water from its Murray dam to the city
3 of San Diego to the amount of three million gallons per day at the
4 rate of ten cents per thousand gallons. From this sale of water
5 the company therefore is realizing a daily revenue of-----\$300.00

6 Under these circumstances the question, and, as we submit,
7 the only question, now under submission to the Commission is whether
8 under all the circumstances the surcharge ought to be made to con-
9 sumers or any of them for the costs of the installation and oper-
10 ation of these pumping plants during this period of exigency.

11 At the outset of the consideration of this question, we sub-
12 mit that it should be considered aside and apart from all matters
13 germane to the question of the general revision of rates involved
14 in the application numbered 4515.

15 For, these pumping projects are to meet a temporary exigency
16 and should not be confounded or mixed up with the general revision
17 of rates the application for which involves the whole complicated
18 range of considerations which bear upon the fixing of the general
19 standard of rates.

20 The matters bearing upon this pumping exigency, should be,
21 as nearly as possible, segregated from all considerations not plainly
22 relevant to that particular need. Upon this principle, we suggest
23 that the true inquiry in the matter of this particular application
24 for surcharge is "how does the exigency brought about by this shortage
25 of the run-off from the water sheds of this immediate region for
26 the season of 1918-19 affect the income of the Cuyamaca Company?
27 In other words will this exigency occasion any loss to the company?
28 And is there any such loss to the company which can properly be made
29 the subject of an indemnity surcharge payable by those who were
30 rate payers under the system when this exigency developed?

31 The undisputed facts are that while this shortage of run-off
32 during the winter of 1918-1919 caused, on the one hand, the nec-
essity for this pumping expedient, it also created, on the other

1 hand a market for surplus water in the Murray reservoir for use by
2 the city of San Diego which market would not have arisen but for
3 the same natural conditions which caused the necessity for pumping.

4 As already stated the combined cost per day of installation
5 and operation will be-----\$114.88

6 This is upon the basis of charging the whole cost of in-
7 stallation to rates, as being operating expense. But clearly there
8 is a large element of permanent betterment in the installation and
9 for this reason the estimate of \$114.88, as the daily outlay of the
10 company to meet the exigency by pumping, is liberal to it.

11 On the other hand the marketing of three millions of gal-
12 lons of water to the city yields a daily income of-----\$300.00

13 We think we are safe in saying, that the same natural con-
14 ditions which call for this pumping to continue to January 1, 1920
15 dictates to the city of San Diego the necessity for continuing the
16 purchase of three million gallons per day for all of that time.

17 Therefore in all reasonable probability this daily expense
18 of \$114.88 for pumping and the daily increment of revenue of \$300.00
19 from the City of San Diego will run parallel to each other for the
20 whole pumping period. Plainly the Cuyamaca Company will not lose,
21 but will profit, by the exigency in natural conditions which calls
22 for this pumping.

23 Therefore we submit that on the score of this pumping need,
24 there is clearly no just basis for a surcharge to the rate payers,
25 in as much as the identical natural conditions which entail the
26 cost of pumping are bringing about an increase of revenue equal to
27 about 260% of that cost aside from any considerations of permanent
28 betterment to the pumping outfit by that part of the expenditure
29 referable to the installation.

30 AS TO THE SUGGESTION RESPECTING
31 THE EL CAJON PIPE LINE.

32 With regard to the suggestion made by way of argument by Mr.
Fletcher that the Cuyamaca Company had agreed with the city of

1 San Diego to construct re-construct or repair one of its pipe lines
2 via El Cajon Avenue leading from Murray reservoir to San Diego as
3 a reason for claiming surcharge rates for pumping water, it seems
4 proper to say:

5 That, as we submit, this expenditure furnishes no rea-
6 son whatsoever for the surcharge because, to the extent that it is
7 a capital expenditure, it is not being incurred for the benefit
8 of the flume line or of the high line consumers; and to the extent
9 that it is repairs it is more than met by the daily surplus of the
10 \$300.00 derived from the city over and above the daily cost of
11 \$114.88 for pumping.

12 Respectfully submitted.

Haines & Haines

Attorneys for Lemon Grove
Mutual Water Company.

BEFORE THE RAILROAD
COMMISSION
OF
THE STATE OF CALIFORNIA.

BRIEF
IN BEHALF OF
LEMON GROVE MUTUAL WATER COMPANY

IN THE MATTER OF THE APPLICATION
OF THE CUYAMACA WATER
COMPANY NO. 4670 FOR RATES OF
SURCHARGE FOR PUMPING WATER.

HAINES & HAINES
ATTORNEYS AT LAW
827-828-829 TIMKEN BLDG.
SAN DIEGO, CAL.

---oOo---

IN THE MATTER OF THE APPLICATION OF)
JAMES A. MURRAY, WILLIAM G. HENSHAW,)
AND ED FLETCHER, CO-PARTNERS DOING)
BUSINESS UNDER THE FIRM NAME AND STYLE)
OF THE CUYAMACA WATER COMPANY, FOR AN)
ORDER AUTHORIZING AND PERMITTING THEM)
TO PLACE A SURCHARGE UPON THEIR PRESENT)
RENTALS, TOLLS AND CHARGES FOR WATER)
FURNISHED BY THEM, SUCH SURCHARGE BEING)
NECESSARY ON ACCOUNT OF THE INCREASED)
COST OF OPERATION.)

---oOo---

A P P L I C A T I O N .

The petition of James A. Murray, William G. Henshaw and Ed. Fletcher respectfully shows:

I

That the applicants, James A. Murray, William G. Henshaw and Ed Fletcher, are co-partners, doing business under the firm name and style of the Cuyamaca Water Company, and are engaged in the business of impounding, distributing and selling water for irrigation, domestic, and other purposes, in the county of San Diego and State of California.

II

That the post office address of each applicant is as follows:

James A. Murray, Monterey, California;

William G. Henshaw, Title Insurance Building, Los Angeles, California;

Ed Fletcher, Fletcher Building, San Diego, California.

That they are joint applicants herein, and the name and address of their attorney is as follows:

Charles C. Crouch, Owl Building, San Diego, California.

III

For their financial statement, applicants respectfully refer to their pending application before this Commission, for an increase in rates.

IV

For a schedule of their present rates, fares, tolls, rentals and charges, applicants respectfully refer to Decision No. 4058 of this Honorable Commission.

V

For a description of Applicant's property, applicants refer to their said application hereinabove mentioned.

VI

Attached hereto and made a part hereof is a statement of their expenditures for maintenance, operation and depreciation during the past year.

VII

Attached hereto and made a part hereof is a statement of the revenues received from the sale of water during the past year.

VIII

Attached hereto and made a part hereof is a comparison of the wages paid for labor during the past year with the wages being paid at the time the said Decision No. 4058 was rendered.

LX

Attached hereto and made a part hereof is a comparison of the prices of material during the past year with such prices at the time the said decision was rendered.

X

That on account of such increased cost of operation, it is necessary that, pending the decision of the Commission on their present application, that they be permitted to install a surcharge in order to continue to operate their said properties.

WHEREFORE your petitioners respectfully pray for an order of this Honorable Commission authorizing and permitting them to install and place into effect a surcharge on their present rates, fares, tolls and charges in order that they may obtain sufficient revenue to pay the cost of such operation pending the

decision of this Honorable Commission, on their said application hereinbefore mentioned, for an increase in rates.

CUYAMACA WATER COMPANY,

By

Ed Fletcher

Manager.

Charles C. Crouch
Attorney for Applicants.

---oOo---

STATE OF CALIFORNIA,) ss.
County of San Diego,)

Ed Fletcher, being first duly sworn, deposes and says:

That he is one of the co-partners of the Cuyamaca Water Company; that he has read the foregoing application and knows the contents thereof; and that the facts therein stated are true.

Ed Fletcher

Subscribed and sworn to before me
this 6th day of June, 1919.

Lou B. Mathews
Notary Public in and for the County
of San Diego, State of California.

(SEAL)

	1937	1938	1939	April	May	June
1-1	37.24	35.55	...
1-2	28.81	34.55	...
1-3		75.09	112
1-4		61.29	
1-5	156.54	107.30	7
1-6	724.82	755.07	37
1-7	315.12		
1-8	455.98	565.17	30
1-9	1295.15	1587.77	121
1-10	78.85	175.20	112
1-11	54.93	38.21	3
1-12	53.18	170.23	3
1-13	71.55	70.66	3
1-14	500.00	500.00	50
1-15	239.85	205.95	19
1-16	356.79	314.60	27
1-17			7
1-18	15.35	13.05	
1-19	38.70		
1-20	95.72	95.57	1
1-21	37.31		37
1-22			
1-23			
1-24	1445.45		
1-25			
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1-31			
TOTAL	4179.95	4317.01	4500.14	5541.85	4465.97	551

Year	June	July	August	September	October	November	December	Total
20.55	20.55	63.58	91.60	132.17	97.35	111.55	40.70	770.31
53.55	82.33	76.92	127.80	272.85	172.50	274.82	50.30	1,353.30
73.99	133.54	85.90	50.53	34.35	12.64	133.20	321.35	857.50
	.50	201.91	30.35	43.43	40.10	37.25	42.30	555.39
51.99			14.70	6.60	10.00			87.29
107.30	73.71	93.50	121.04	81.52	32.55	74.08	43.58	565.38
755.07	677.03	676.37	701.05	713.00	1150.65	1543.39	2443.94	11,804.38
			308.95	164.73		43.30	114.95	1,799.74
335.17	461.53	436.92	457.15	334.32	475.69	397.90	389.43	4,913.47
1587.77	1217.19	2542.79	1988.50	1366.12	1124.31	337.58	768.67	13,153.37
173.40	1119.46	256.21			1.5.31	570.81	532.15	3,310.67
34.31	37.91	24.74	50.33	33.02	31.73	34.15	27.26	371.45
193.20	33.30	30.50	124.77	21.07	37.52	53.20	36.15	409.79
70.66	90.53	87.33	177.31	99.98	97.97	93.11	96.24	991.97
500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	3,500.00
205.95	195.00	220.00	237.00	217.10	203.15	260.00	235.50	1,753.20
314.60	277.96	267.18	263.71	466.28	164.37	233.24	330.20	3,549.46
	75.00	75.50	75.00	113.43	115.50	20.00	93.50	568.23
12.05				4.10		30.00	52.90	179.95
	6.00	8.30	8.00			2.90	57.47	217.53
91.57	91.07	83.03	93.97	90.25	83.83		164.12	1,146.25
	272.63	67.92	204.33	33.03	1.00	6.75		577.40
					305.15			305.15
								17.50
		9.50					(195.69)	3,503.50
							(1110.40)	3,503.50
			17.48	413.10	450.00	230.95	1917.39	3,503.50
4462.97	5324.42	5763.43	6491.64	6125.91	4801.76	3354.47	9432.24	44,771.15

CUYAMACA WATER COMPANY

<u>Date</u>	<u>Irrigation</u>	<u>Domestic</u>	<u>City of San Diego</u>
1918			
January	1,696.55	1,235.95	
February	711.55	1,059.50	
March	419.00	1,016.35	
April	1,574.25	1,525.35	
May	4,420.60	1,981.20	
June	4,611.90	2,618.10	
July	5,036.05	2,379.30	4,140.20
August	4,989.65	2,420.95	3,246.12
September	4,464.05	2,058.10	6,502.83
October	3,468.30	2,901.39	3,899.50
November	1,987.55	1,502.20	7,155.63
December	811.70	1,230.55	960.57
			82,024.94

No water has been sold to the City during the first half of 1919 and there are no prospects of selling any to the City during the remainder of the year.

**STATEMENT SHOWING COMPARATIVE WAGES PAID IN 1916
and 1918**

	<u>1916</u>	<u>1918</u>
Superintendent	150.00	200.00
Secretary	150.00	175.00
Stenographers	75.00	90.00
Clerks	75.00	100.00
Dam Keepers	(50.00 70.00	(75.00) 85.00)
Flume Walkers	50.00	70.00
Pipeman	2.25	3.25 to 4.00
Mechanics	3.00	3.75
Meter Reader	3.00	3.75
Foremen 2.50 a day	(82.50 100.00	(3.50 day 105.00 month)
Laborers	(2.00 2.25	(2.50) 3.25)

**COMPARATIVE COSTS OF MATERIALS, LARGELY USED BY CUYAMACA WATER
COMPANY FOR YEARS 1916 and 1918**

3/4" Bands	1916 -	.10	1918 -	.176
2" Bands	" -	.15	" -	.226
8" Elbs, Street	" -	.225	" -	.443
3/4" Nipples	" -	.035	" -	.058
2" Nipples	" -	.06	" -	.192
3/4" Pipe	" -	.0445	" -	.980
2" Pipe	" -	.1465	" -	.2645
2" Unions	" -	.35	" -	.55
2" Gates	" -	4.01	" -	5.20
3/8" Washers	" -	.0716	" -	.12
Asphaltum	" -	16.50	" -	24.00
3/8" Bolts	" -	1.44	" -	2.18
3/4" Dresser Couplings	" -	.41	" -	.64

**Practically all supplies have increased from 25 to over 100%,
the above figures being typical.**

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1 IN THE MATTER OF THE APPLICATION OF
2 JAMES A. MURRAY, WILLIAM G. HENSHAW,
3 AND ED FLETCHER, CO-PARTNERS DOING
4 BUSINESS UNDER THE FIRM NAME AND STYLE
5 OF THE CUYAMACA WATER COMPANY, FOR AN
6 ORDER AUTHORIZING AND PERMITTING THEM
7 TO PLACE A SURCHARGE UPON THEIR PRESENT
8 RENTALS, TOLLS AND CHARGES FOR WATER
9 FURNISHED BY THEM, SUCH SURCHARGE BEING
10 NECESSARY ON ACCOUNT OF THE INCREASED
11 COST OF OPERATION.

No. _____

---oOo---

A P P L I C A T I O N .

12 The petition of James A. Murray, William G. Henshaw
13 and Ed. Fletcher respectfully shows:

I

14 That the applicants, James A. Murray, William G. Hen-
15 shaw and Ed Fletcher, are co-partners, doing business under the
16 firm name and style of the Cuyamaca Water Company, and are en-
17 gaged in the business of impounding, distributing and selling
18 water for irrigation, domestic, and other purposes, in the
19 county of San Diego and State of California.

II

20 That the post office address of each applicant is as
21 follows:

22 James A. Murray, Monterey, California;

23 William G. Henshaw, Title Insurance Building, Los Angeles,
24 California;

25 Ed Fletcher, Fletcher Building, San Diego, California.

26 That they are joint applicants herein, and the name and address
27 of their attorney is as follows:

28 Charles C. Crouch, Owl Building, San Diego, California.

III

29 For their financial statement, applicants respectfully
30 refer to their pending application before this Commission, for an
31 increase in rates.
32
33

IV

1 For a schedule of their present rates, fares, tolls,
2 rentals and charges, applicants respectfully refer to Decision
3 No. 4058 of this Honorable Commission.

V

4
5 For a description of Applicant's property, applicants
6 refer to their said application hereinabove mentioned.

VI

7
8 Attached hereto and made a part hereof is a statement
9 of their expenditures for maintenance, operation and depreciation
10 during the past year.

VII

11
12 Attached hereto and made a part hereof is a statement
13 of the revenues received from the sale of water during the past
14 year.

VIII

15
16 Attached hereto and made a part hereof is a comparison
17 of the wages paid for labor during the past year with the wages
18 being paid at the time the said Decision No. 4058 was rendered.

IX

19
20 Attached hereto and made a part hereof is a comparison
21 of the prices of material during the past year with such prices
22 at the time the said decision was rendered.

X

23
24 That on account of such increased cost of operation, it
25 is necessary that, pending the decision of the Commission on their
26 present application, that they be permitted to install a surcharge
27 in order to continue to operate their said properties.

28 WHEREFORE your petitioners respectfully pray for an
29 order of this Honorable Commission authorizing and permitting them
30 to install and place into effect a surcharge on their present
31 rates, fares, tolls and charges in order that they may obtain
32 sufficient revenue to pay the cost of such operation pending the

1 decision of this Honorable Commission, on their said application
2 hereinbefore mentioned, for an increase in rates.

3 CUYAMACA WATER COMPANY,

4 By,

5 _____
6 Manager.

7
8 Charles C. Crouch
9 Attorney for Applicants.

10 -----oOo-----

11 STATE OF CALIFORNIA,)
12 County of San Diego,) ss.

13 Ed Fletcher, being first duly sworn, deposes and says:
14 That he is one of the co-partners of the Cuyamaca
15 Water Company; that he has read the foregoing application and
16 knows the contents thereof; and that the facts therein stated
17 are true.

18 _____
19 Subscribed and sworn to before me
20 this *6th* day of *June*, 1919.

21 _____
22 Notary Public in and for the County
23 of San Diego, State of California.
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OPERATION EXPENSE - YEAR 1918.

	January	February	March	April	May	June	July	August	September	October	November	December	Total
E-2 Pumping Labor	35.85	19.02	26.40	37.24	25.55	25.65	83.58	91.85	142.17	97.65	145.55	48.70	779.21
E-6 Power Purchased	115.36	(16.69) (#87.50)	21.60	28.81	66.55	92.32	75.92	197.89	272.29	179.50	215.82	62.30	1,268.55
E-8 Purification Expense					# 73.99	133.54	23.80	50.50	4.55	14.64	183.20	521.25	857.59
E-9 Misc. Pumping Expense						.60	204.94	30.25	49.45	49.10	27.45	3.30	365.19
E-10 Rep. Power Pump Equip.					61.99			14.70	.60	10.00			87.29
E-20 Meter Repairs	54.50	51.02	18.83	156.34	107.20	73.71	88.50	121.04	81.52	94.93	74.08	49.68	965.35
E-23a Repairs-Flume	(# 28.80) (887.54)	922.75	758.55	724.82	735.07	677.02	676.37	701.05	716.00	1130.68	1542.99	2440.94	11,884.98
E-23b " -La Mesa Ditch	162.25	486.80	423.83	213.12				208.95	144.75		45.09	114.95	1,799.74
E-24 " -Reservoir	281.54	299.78	442.93	456.98	365.17	408.63	436.92	427.15	539.32	478.69	394.90	380.46	4,912.47
E-25 " -Mains	848.83	1123.45	1598.78	1296.15	1587.77	1217.19	2542.79	1986.53	1,366.12	1124.81	697.28	768.67	16,158.37
E-25b Replacement of Mains	391.54	93.92		58.83	173.40	1128.40	233.21			135.31	563.81	532.15	3,310.57
E-27 Repairs to Services	24.48	15.52	37.87	34.93	24.21	30.91	24.74	50.89	33.02	31.73	35.15	27.98	371.43
E-27a Replacement of Services	77.69	23.93	12.45	55.18	190.22	93.06	58.55	154.77	21.07	27.52	58.20	36.15	808.79
E-31 Reading Meters, etc.	40.77	36.03	35.44	71.65	70.66	85.68	87.53	177.91	99.98	97.97	92.11	96.24	991.97
E-33 Salaries-General officers	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	550.00	500.00	500.00	6,050.00
E-34 " -Clerks, etc.	245.75	235.00	248.20	229.85	205.95	195.00	220.00	237.00	217.10	205.15	260.00	233.50	2,733.20
E-35 Misc. Office Supplies	203.57	208.29	226.29	366.79	314.60	277.96	267.18	265.71	466.28	164.37	238.24	350.20	3,349.48
E-36 Law Expenses						75.00	76.50	75.00	113.45	115.50	20.00	93.50	568.95
E-37 R.R. Commission Expense	12.50		25.96	15.35	12.05				2.10		30.00	32.00	129.96
E-42a Insurance-Fire		113.96		28.70		6.00	3.50	5.00			2.90	57.47	217.53
E-42b " -Casualty	108.58	74.09	160.30	93.72	96.57	91.07	86.03	93.97	90.95	86.85		164.12	1,146.25
E-43 Reprs-General Structures	70.00	42.19	31.01	27.31		272.68	67.92	284.93	33.09	1.58	6.75		837.46
E-44 " " Equipment										# 205.15			# 205.15
E-45 Inventory		17.50											17.50
E-50 Taxes	146.80			1445.46			9.30					# 195.69) 2146.43)	3,552.30
E-53 Engineering & Stream Meas.	1.18	54.57	31.00					17.45	232.10	230.93	220.95	1017.99	1,806.17
TOTALS	4179.93	4247.01	4600.14	5841.23	4462.97	5384.42	5762.28	5692.64	5125.91	4621.76	5354.47	9482.39	64,755.15

- Credit.

UYAMACA WATER COMPANY

<u>Date</u>	<u>Irrigation</u>	<u>Domestic</u>	<u>City of San Diego</u>
1918			
January	1,696.55	1,235.95	
February	711.55	1,059.50	
March	419.00	1,016.55	
April	1,574.25	1,525.35	
May	4,420.60	1,981.20	
June	4,611.90	2,618.10	
July	5,036.05	2,379.30	4,140.20
August	4,989.65	2,420.95	3,245.12
September	4,464.05	2,058.10	6,502.83
October	3,468.30	2,901.39	3,899.50
November	1,987.55	1,502.20	7,155.63
December	811.70	1,250.55	960.57

82,024.84

No water has been sold to the City during the first half of 1919 and there are no prospects of selling any to the City during the remainder of the year.

STATEMENT SHOWING COMPARATIVE WAGES PAID IN 1916
and 1918

	<u>1916</u>	<u>1918</u>
Superintendent	150.00	200.00
Secretary	150.00	175.00
Stenographers	75.00	90.00
Clerks	75.00	100.00
Dam Keepers	(50.00 (70.00	75.00) 85.00)
Flume Walkers	50.00	70.00
Pipemen	2.25	3.25 to 4.00
Mechanics	3.00	3.75
Meter Reader	3.00	3.75
Foremen 2.50 a day	(82.50 (100.00	3.50 day) 105.00 month)
Laborers	(2.00 (2.25	2.50) 3.25)

COMPARATIVE COSTS OF MATERIALS, LARGELY USED BY CUYALLACA WATER
COMPANY FOR YEARS 1916 and 1918

3/4" Bands	1916 -	.10	1918 -	.176
2" Bands	" -	.15	" -	.226
2" Ells, Street	" -	.225	" -	.443
3/4" Nipples	" -	.035	" -	.058
2" Nipples	" -	.06	" -	.192
3/4" Pipe	" -	.0445	" -	.980
2" Pipe	" -	.1463	" -	.2645
2" Unions	" -	.35	" -	.55
2" Gates	" -	4.01	" -	5.20
3/8" Washers	" -	.0716	" -	.12
Asphaltum	" -	16.50	" -	24.00
3/8" Bolts	" -	1.44	" -	2.18
3/4" Dresser Couplings	" -	.41	" -	.64

Practically all supplies have increased from 25 to over 100%,
the above figures being typical.

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BEFORE THE RAILROAD COMMISSION,
OF THE STATE OF CALIFORNIA.

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IN THE MATTER OF THE APPLICATION
OF JAMES A. MURRAY, WILLIAM G.
HENSHAW, AND ED FLETCHER, CO-
PARTNERS DOING BUSINESS UNDER THE
FIRM NAME AND STYLE OF OUYAMACA
WATER COMPANY, FOR AN ORDER AU-
THORIZING AND PERMITTING THEM TO
PLACE A SURCHARGE UPON THEIR
PRESENT RENTALS, TOLLS AND CHARGES
FOR WATER FURNISHED BY THEM, SUCH
SURCHARGE BEING NECESSARY ON ACCOUNT
OF THE INCREASED COST OF OPER-
ATION.

---oOo---
A P P L I C A T I O N .
---oOo---

Chas. C. Crouch,
Attorney for Applicants,
314 Owl Building,
San Diego, California.

Ed Fletcher Papers

1870-1955

MSS.81

Box: 58 Folder: 8

**Business Records - Water Companies - Cuyamaca
Water Company - State Railroad Commission
- Application #4670 and #4515, Decision #6548,
requesting permission to make a surcharge**



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