

ORDINANCE NO. 2070, FOURTH SERIES

AN ORDINANCE TO PROVIDE FOR REDUCTION OF EXCESSIVE MUNICIPAL WATER USE, AS WELL AS THE REDUCTION OF EXCESSIVE FLOW RATES INTO THE MUNICIPAL SEWERAGE SYSTEM; REQUIRING AIR CONDITIONING AND REFRIGERATION EQUIPMENT SUBSEQUENTLY INSTALLED TO BE EQUIPPED WITH WATER CONSERVATION DEVICES; ELIMINATING OUTDATED AND WASTEFUL SPRINKLER SYSTEMS FOR ROOF COOLING; REQUIRING SWIMMING POOLS SUBSEQUENTLY INSTALLED TO BE EQUIPPED WITH RECIRCULATING FILTER SYSTEMS; PRESCRIBING WATER RATES IN CONNECTION WITH AIR CONDITIONING AND REFRIGERATION USE; REQUIRING NECESSARY PERMITS, INSPECTION, AND FEES; AND PROVIDING PENALTIES FOR VIOLATION OF THIS ORDINANCE.

WHEREAS, the use of water for cooling and other purposes has rapidly increased, and now involves the use and discharge of water at such high rates of flow that facilities of the municipal water supply system and sewage treatment plant are overburdened to the detriment of their primary service requirements; and

WHEREAS, in the interest of providing for reasonable and equitable use of these facilities, additional regulation of water use is required,

NOW, THEREFORE, BE IT ENACTED BY THE COUNCIL OF THE CITY OF SACRAMENTO:

SECTION 1 - DEFINITIONS

A. The following terms are hereby defined:

1. "Public water or sewerage system" shall mean any publicly owned, or privately owned and publicly regulated system where service is provided within City limits.
2. "City water system" shall mean the water system of the City of Sacramento, whether inside or outside of City limits.
3. The terms "air conditioning system" and "refrigeration system" shall include any combination of equipment, whether compressor or other type, by which heat is removed from or added to the air and from which the accumulated heat is wholly or partially removed or added to by the use of water.
4. "Air conditioning system" shall mean an installation for air cooling purposes which maintains temperatures which are not less than sixty degrees Fahrenheit. Evaporative coolers are included in this classification.
5. "Refrigeration system" shall mean an installation for maintenance, by heat removal, of temperatures which are less than sixty degrees Fahrenheit.

6. "System" shall mean any combination of apparatus, individual units, group or collection of units supplied with water through any single customer service pipe or pipes connected to the City water system or discharging to a public sewerage system.
7. "Capacity in tons" shall be taken as follows:
 - a. Total maximum B.t.u. per hour of capacity of the installation divided by 12,000, or;
 - b. The nameplate horsepower of any compressor prime mover unit for any air conditioning installation;
 - c. Two-thirds the nameplate horsepower of b above for any refrigeration installation.
8. "C. F. M." - the rated capacity of an evaporative cooler in cubic feet per minute.
9. "Water conservation device" is a cooling tower, spray pond, evaporative condenser, circulating pump or other equipment by which water is cooled and recirculated, thereby limiting the use of water to that amount lost through evaporation.
10. "Air conditioning season" - the five month period, May through September, inclusive.
11. "Demand charge" - a seasonal charge for City water service for excess plant capacity and distribution facilities required by air conditioning systems which do not have conservation devices, and use water during periods of peak use.
12. "Superintendent" shall mean the Superintendent of the Division of Water and Sewers of the City of Sacramento.

SECTION 2 - PERMITS REQUIRED:

A. Air conditioning and refrigeration systems:

1. After January 1, 1959, no person shall install or replace any equipment for air conditioning or refrigeration, excepting evaporative coolers with recirculated flow, which requires a supply of water from the City water system or discharges to a public sewerage system, without first submitting a written application on the forms provided to the Division of Water and Sewers and obtaining a water and/or sewer use permit therefor. This use permit is required in addition to the usual permits issued in compliance with the City plumbing and electrical codes. Plumbing permits will not be issued unless the water and/or sewer use permit has been obtained.
2. A fee shall be paid at the time of application for the water and/or sewer use permit, which fee shall provide one inspection of the installation. The fee shall be FIVE DOLLARS (\$5.00). For each additional inspection required because of disapproval of work, or by premature request for inspection, an additional

charge of TWO DOLLARS AND FIFTY CENTS (\$2.50) shall be made.

3. Water and/or sewer use permits to install or replace air conditioning or refrigeration systems will be issued at the Division of Water and Sewers to either property owners, or to persons or agencies licensed by the Contractor's State License Board to perform such work, and acting as the agent of the property owner. It will be the responsibility of the property owner to see that such permit is obtained.

Within forty-eight hours following the completion of any work authorized by said permit, notice of completion and request for inspection shall be returned in writing by the person or agency receiving the permit, to the Division of Water and Sewers.

B. Swimming pools:

Prior to the issuance of a plumbing permit for the installation of a swimming pool, a plan showing the water supply and drainage piping of the swimming pool shall be submitted for approval by the Superintendent. This drawing shall indicate all valves, size of piping and filter pump capacity. The Plumbing Inspector shall not issue a permit for the work without prior approval by the Superintendent.

SECTION 3 - WATER USE AND CONSERVATION:

A. Air conditioning and refrigeration systems:

1. After January 1, 1959, all new or replacement air conditioning and refrigeration systems using water from the City water system, or discharging to a public sewerage system, shall be equipped with a water conservation device. The water conservation device shall have sufficient capacity to insure against the use of more than 0.2 GPM of makeup water per ton of rated capacity under full loading at maximum summer temperatures.
2. Waste cooling water from air conditioning and refrigeration systems must be discharged to a storm sewer where separate storm and sanitary sewers are provided. The requirement of a conservation device for systems supplied by private wells may be waived by the Superintendent where adequate storm sewer capacity exists.
3. Evaporative coolers installed after January 1, 1959, shall be equipped with a recirculating pump. The makeup supply line shall be equipped with an inlet valve which shall open only when makeup water is required by the unit.
4. No person within the limits of the City of Sacramento shall sell an evaporative cooler after January 1, 1959, which will use water from the public water system within the City limits unless such cooler is, when sold and delivered, equipped with a water recirculating device.

5. The use of existing roof sprinkler systems after January 1, 1959, or their installation after the effective date of this Ordinance is prohibited.

B. Swimming and wading pools:

1. After January 1, 1959, all ^{new} swimming or wading pools above 2000 gallons in content, using water from the City water system or discharging to a public sewerage system, shall be provided with recirculating systems equipped with an approved filter.
2. Where separate storm and sanitary sewers are provided, discharge must be to the storm sewer if practicable, as determined by the Superintendent.
3. Where permission to discharge swimming pools to a sanitary sewer has been granted by the Superintendent, the following special conditions shall apply:
 - a. Maximum size of discharge pipe from pool to sump shall be limited to 1-1/2 inches, with a control valve provided for possible future regulation in the event the sanitary sewer capacity is exceeded.
 - b. Disconnection from sanitary sewer by owner shall be mandatory if the sanitary sewer capacity becomes inadequate for both sanitary flows and swimming pool discharges.
4. Swimming pool filling and/or discharge shall be limited to the hours between 8:00 p.m. and 9: a.m.

SECTION 4 - RATES FOR CITY WATER:

A. General

1. Water charges for air conditioning and refrigeration systems are stated, in the paragraphs which follow, for systems installed within City limits. For systems installed outside City limits, the water use charge will be one and one-half times these amounts.
2. No adjustments shall be made in these charges for other-than-average operating conditions, such as: long or short daily period, or season, of operation; or unseasonable weather.
3. Water use charges shown below will become effective beginning January 1, 1959, with water demand charges effective May 1, 1959.

B. Air conditioning systems, exclusive of evaporative coolers.

1. Water charges for systems not having a water conservation device shall include a demand charge, and a water use charge.
 - a. For systems without water conservation device, the demand charge shall be TWO DOLLARS (\$2.00) per month per ton of capacity for each month of

the air conditioning season of five (5) months, applicable to systems whether on a metered or flat rate basis. This demand charge shall not be included in the water charge used as the base for determining sewerage charges.

b. Water use charges:

- (1) For systems supplied through metered services, no additional charge above established metered rates will be made.
- (2) For systems on flat rate service, the following charges will apply, for each month during the air conditioning season:

System Capacity (tons)	Without Water Conservation Device	With Water Conservation Device
1	\$ 3.70	\$0.40
1-1/2	5.50	0.55
2	7.30	0.75
2-1/2	9.10	0.90
3	10.80	1.10
4	14.30	1.45
5	17.65	1.75
7-1/2	27.10	2.70
10	32.45	3.25
15	43.60	4.35
20	56.45	5.65
25	66.45	6.65
30	78.00	7.80
35	88.20	8.80
40	98.10	9.80
Over 40 tons, per added ton	2.00	0.20

c. Evaporative coolers:

1. Water use charges for evaporative coolers are indicated below. The rates apply only to units installed in commercial establishments, no charge being made for units installed in residences.
 - a. For units supplied through metered services, no additional charge above established metered rates will be made.
 - b. For units on flat rate service, the following charges will apply, for each month during the air conditioning season.

Unit Capacity (C. F. M.)	Without Recirculation	With Recirculation
0 - 3000	\$ 1.00	--
3100 - 6000	1.75	0.45
6100 - 9000	2.50	0.60
9100 - 12000	3.25	0.75

D. Refrigeration systems.

1. Water use charges:

- a. For systems supplied through metered services, no additional charge above established metered rates will be made.
- b. For systems on flat rate service, the following monthly water use charges for each month during the year are applicable:

<u>Compressor Horsepower</u>	<u>Without Water Conservation Device</u>	<u>With Water Conservation Device</u>
1/2	\$ 1.85	--
3/4	2.80	--
1	3.70	\$0.40
1-1/2	5.50	0.55
2	7.30	0.75
2-1/2	9.10	0.90
3	10.80	1.10
4	14.30	1.45
5	17.65	1.75
7-1/2	27.10	2.70
10	32.45	3.25
15	43.60	4.35
20	56.45	5.65
25	66.45	6.65
30	78.00	7.80
35	88.20	8.80
40	98.10	9.80
Over 40 ^{HP} tons, per added ^{1HP} ton <i>MB</i>	2.00	0.20

SECTION 5 - DISCONTINUANCE OF SERVICE

Alterations, changes of equipment or piping, improper operation or lack of maintenance, which result in conditions that are hazardous to the potable water supply, either within the premises or in supply mains, or cause use of water in excess of quantities permitted under this Ordinance, shall be cause for the discontinuance of the supply of water to the premises until such conditions are abated or until such water conservation devices, as elsewhere specified in this Ordinance, are operating within the defined limits of use.

SECTION 6 - PENALTIES

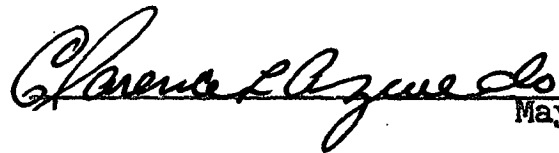
Any person violating any of the provisions of this Ordinance shall be deemed guilty of a misdemeanor, and shall upon conviction thereof be punished by a fine of not more than FIVE HUNDRED DOLLARS (\$500.00) or by imprisonment in the City Jail for not more than six months, or by both such fine and imprisonment.

SECTION 7 - PUBLICATION

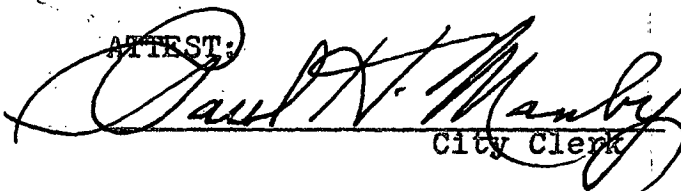
This ordinance shall be published once in the official newspaper of said City of Sacramento and shall take effect 30 days from and after its passage.

PASSED: July 17, 1958

EFFECTIVE: August 16, 1958



Mayor

ATTEST:


City Clerk