District Cooling System Rate Adjustment

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December 2, 2021

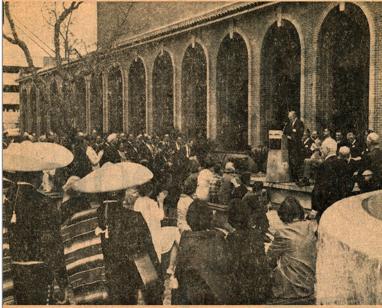




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District Cooling System History in San Antonio

Nation's 1st City-Owned Central Heating-Cooling Plant Opened



CITY WATER BOARD'S NEW HEATING, COOLING PLANT DEDICATED . . . new service to be available on revenue-producing basis.

Dedication ceremonies for the Van Dyke said that the new in addition to serving buildbedication ceremonies for the standard of the first municipally owned central heating and cooling plant in the nation were held Thursday afternoon at the plant site, 400 E. producing basis. He also esti-south and east of Alamo and mysted that the new in a continuous in addition to serving building in addition to serv Commerce St., adjoining Hemis. mated that the peak load during Commerce streets may be HemisFair will be in excess of served. Two new hotels in the

WATER BOARD MANAGER OPTIMISTIC

S.A.'s Cooling Plant A Red Ink Operation

By JEFF DUFFIELD

The City Water Board's central heating and cooling plant, during its first year of operation, generated \$783,416 less of cash profits than anticipated, and utility officials admit they expect to lose money on the facility during 1969.

Constructing these buildings, we very the plant would have generated a \$283,584 well might construct a nother cooling plant, and the recooling plant sixtly despite a less by fair officials.

San Antonio Fair, Inc., according to the existing plant, and a forecast deficit specific to the existing plant, and a forecast deficit specific to the existing plant, and a forecast deficit specific to the existing plant, and a forecast deficit specific to the existing plant, and a forecast deficit specific to the existing plant, and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant and a forecast deficit specific to the existing plant are profit during its first year, an amount still about \$500,000 less than estimates when the existing plant and the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to the plant would have generated a \$283,584 with a specific to

once development of that area into high rise of apartments and medical facilities marily the HemisFair area and suring machines, calculators, etc.

plains the forecast loss this year as "only about the possibilities of the utility con- would lose money during the period when loss," Shields said.

CWB Comptroller John Shields ex- chilled air but never made their remitt

owed by former exhibitors would help de- operation and the forecast for 1969 in- tentials of any place in the city," Van

From the standpoint of retiring \$6 mil- Fair Plaza by the city and private devel-

Shields said the 10,000-ton capacity



San Antonio EXPRESS/NEWS - Sunday, Feb. 9, 1969

GENERATED RED INK-City Water Board's centra I heating and cool plant revenue was down in 1969 but officials expect success, see new plant to serve a nother section of city in future years.

> Dyke said. "It's going to grow, and when t does we will have our extra customers. There's no way the plant can prove to be

Further indicating his optimism, the

3,000 tons of unused capacity which now

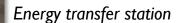




District Cooling is a centralized method of producing and delivering chilled water to multiple buildings, for the purpose of air-conditioning, through an underground network of insulated piping.

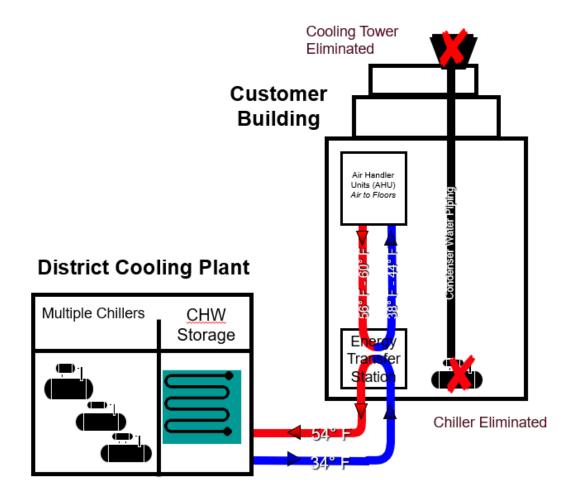
Chilled water plant

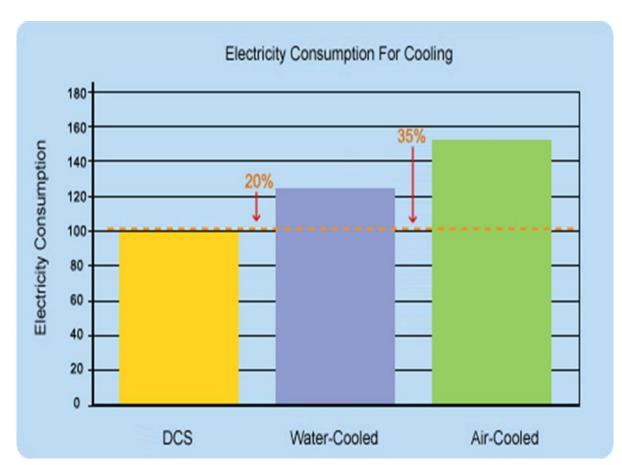
Delivery pipeline





How Does District Cooling Work?







Benefits of District Cooling

- Main Benefits
 - Improved energy efficiency
 - GHG emissions reductions
- Additional Benefits
 - Avoided capital costs
 - Reduced staffing and maintenance
 - Enhanced reliability
 - Frees up rooftop/building space
 - Reduced lifetime cooling costs







SAWS District Cooling System Overview

Downtown (Central and Cherry plants)

- 21 total customers
 - COSA: 8
 - Hotels: 7
 - Government: 3
 - Other: 3
- 70% of customer base is COSA

Port of San Antonio (two plants)

- Boeing
- Standard Aero
- Chromalloy
- Port San Antonio
- United States Air Force
- 75% of PSA customer base is privately owned

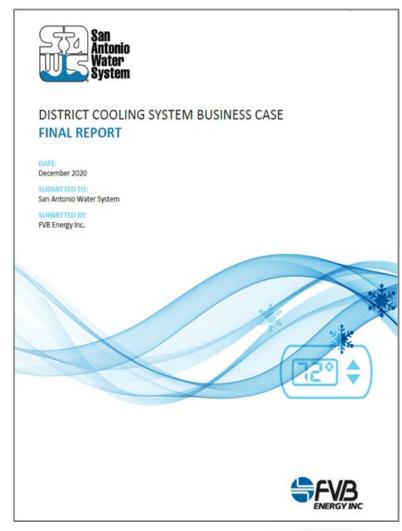






DCS Business Case - Highlights and Recommendation

- Key Highlights
 - High Customer Satisfaction
 - Superior System reliability
 - Concerning financial performances/aging infrastructure
- The SAWS or Other Public Ownership/Management with Growth Scenario presents the best option for San Antonio.
 - Cost Effective
 - Energy Efficient/Reduced GHG Emissions
 - Reliability
- 12 Step Action Plan to effectively finance, operate, maintain and grow reliable cost-effective district cooling system





Business Strategy and Proposed 2022 Rate Increase

Business Strategy Scope

- Financial Planning
- Engineering and Operations
- Customer Contracts
- Marketing/System Growth
- Proposed Rate Increase = 10%
- Increased Revenue = \$559,377
 - Downtown = \$445,442 (COSA = \$317,290)
 - Port SA = \$113,935

Customer	\$ Increase Monthly	% Increase Monthly
Fairmount	\$ 220	4%
Grand Hyatt	\$ 3,550	4%
Alteza	\$ 940	4%
US Court	\$ 600	4%
Federal Bldg.	\$ 1,150	6%
Civil Service Trn. Ctr.	\$ 60	5%
Marriot Riverwalk	\$ 1,290	4%
Chamber of Commerce	\$ 110	5%
Hotel Contessa	\$ 550	3%
Mexican Cultural Inst.	\$ 100	6.5%
Landry's	\$ 425	2.5%
Marriot Plaza SA	\$ 560	4.5%
Hilton Palacio Del Rio	\$ 1,130	2.5%
COSA (8 locations)	\$ 26,440	6.0%
DT TOTAL	\$ 37,125	4.4%
Port SA	\$ 450	4.5%
US Air Force	\$ 2,080	4.5%
Boeing	\$ 1,575	4.0%
Standard Aero	\$ 3,850	4.5%
Chromalloy	\$ 1,530	4.5%
Port SA Total	\$ 9,485	4.4%

Customer Meetings and Feedback

Discussion Points:

- Background/Financial performance
- Business Case and Strategy projects
- Billing structure and rate increase/impacts
- Feedback Summary:
 - Positive
 - Support rate increase and business strategy



Ordinance Language Changes

Chilled Water Rate Adjustment

- 10% increase on demand rate
- Both DT and PSA

Capital Cost Recovery Fee

- To recover capital costs associated with main extensions and heat exchangers to serve new customers
- 20-year max amortization schedule

Repeal of Obsolete Rates

- Steam terminated in 2014
- GKDA (now Port San Antonio) obsolete fee payment



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