



## City Council Staff Report

DATE: November 16, 2011

CONSENT CALENDAR

SUBJECT: AUTHORIZE ADDITIONAL MISCELLANEOUS FY 11-12 MAINTENANCE EXPENDITURES FOR THE CHILLED WATER SYSTEM FOR ALL FACILITIES SUPPLIED BY AND INCLUDING THE CO-GENERATION PLANTS.

FROM: David H. Ready, City Manager

INITIATED BY: Public Works & Engineering Department

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### SUMMARY

Each year a variety of purchases are made by City staff to carry out routine day-to-day maintenance and repair operations. City staff is seeking authorization from City Council to acquire additional miscellaneous maintenance and repair parts and services during Fiscal Year 2011-2012 for the City's two Co-Generation Plants and Facilities.

### RECOMMENDATION:

Authorize issuance of additional funds to the Nalco blanket purchase order# 12-0043 for the as-needed purchase of Chemicals to treat and replenish the chilled water system in an amount not-to-exceed \$75,000.

### STAFF ANALYSIS:

Staff is seeking authorization from the City Council to issue additional funds to purchase order #12-0043 for an as-needed purchase of Chemical (Trac101 used for corrosion protection) from Nalco by the Facilities Maintenance Division in an amount up to \$75,000 for the Cogen plants and facilities. Total blanket purchase order amount will be \$140,000.

The chemical is used to prevent corrosion in the metal piping and HVAC Equipment. The total volume that is treated is 600,000 gallons of water that is piped from the co-gen plants to outlying city facilities. Due to an under ground piping that failed it was depleted in the subsequent leak. These additional funds are needed to replenish chemicals lost in water leaks.

ITEM NO. 24

**FISCAL IMPACT:**

Funds for these expenditures have been appropriated by City Council in the Fiscal 2011/2012 approved budget in the following account:


Facilities other Contract Services      Account: 520-5641-43240      Amount: \$75,000

Submitted:

Approved:



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David Barakian, Director of Public Works/  
City Engineer



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David H. Ready, City Manager



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Thomas J. Wilson, Assistant City Manager



October 01, 2011

City of Palm Springs

Attention: Steve Vinci, Bill Collela

Nalco Company  
Communications Group  
1601 West Diehl Road  
Naperville, IL 60563-1198  
630 305 1000  
www.nalco.com

Nalco is pleased to provide this proposal for water treatment chemicals for the chilled and hot closed loop systems at the City of Palm Springs.

The purpose of this report is to outline the cost of the necessary chemicals for the closed loops (chilled and hot) systems. Please review the proposal in detail. If you should need additional clarification please do not hesitate to contact me at your convenience.

**Subject: Quotation for City of Palm Springs closed loop systems**

**Chemical Summary:**

<b><u>Chilled Water Closed Loop</u></b>		
<b><u>Gallons of water</u></b>	<b><u>Pounds per thousand</u></b>	<b><u>Total pounds</u></b>
400,000	25.5 pounds of trac101	10,200,000lbs.
<b><u>Hot Water Closed Loop</u></b>		
<b><u>Gallons of water</u></b>	<b><u>Pounds per thousand</u></b>	<b><u>Total pounds</u></b>
200,000	34.1 pounds of trac101	6,820,000lbs.
<b><u>Price per pound</u></b>	<b><u>Total Dollars</u></b>	<b><u>Total pounds</u></b>
\$3.53	\$60,080	17,020,000lbs

Each tank is 200 gallons. The above is for 8.5 / tanks

We added 1 additional tank to accommodate the additional .5 tank and for leaks or any maintenance you do that will require adding more inhibitor to bring it back to proper range for protection.

<b><u>Porta feed tanks</u></b>	<b><u>Total Dollars</u></b>
9	\$67,310.04



### Chemical Program Description

**TRASAR TRAC101** is a traced, liquid corrosion and deposit inhibitor for use in closed cooling and hot water heating systems. **TRASAR TRAC101** is effective in high heat flux systems where heat transfer surface experience high skin temperatures and corrosion control challenges are demanding. **TRASAR TRAC101** is a multicomponent inhibitor that provides ferrous metal corrosion protection, copper alloy corrosion protection, scale inhibition and dispersancy.

Thank you for your consideration of Nalco

Respectfully,

Dave Muscio  
Nalco Company  
(760) 696-2571