



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: June 29, 2010

TO: Mayor and Council members

FROM: Water Resources Division, Public Works Department

SUBJECT: Approval Of Equipment Standardization For The Water Resources Division

RECOMMENDATION:

That Council find it to be in the City's best interest to approve equipment standardization for the Water Resources Division (Water Resources) for the next five-year period, in accordance with Section 4.52.080 (k) of the Municipal Code.

DISCUSSION:

Water Resources operates a number of complex facilities. These include treatment plants, reservoirs, pump stations, lift stations, and related appurtenances. It is in the City's best interest for Water Resources to standardize on equipment commonly used to support and maintain these facilities. Doing so will minimize the need to train staff on the installation, maintenance, and use of a wide variety of equipment. It will also reduce the need to stock an array of specialized tools, and will minimize parts inventories necessary for equipment maintenance. Standardizing equipment would also provide better response time with making repairs and responding to emergencies, resulting in improved performance and reliability of the City's Water Resources facilities.

Section 4.52.080 (k) of the Municipal Code authorizes Council to purchase supplies, equipment and services without complying with the formal bid procedure, when it is found to be in the best interests of the City. Staff recommends that Council approve the attached list of equipment as standard for Water Resources for a period of five years.

BUDGET/FINANCIAL INFORMATION:

Water Resources expenditures on the equipment listed on the attachment shall not exceed amounts Council has approved in the budget. Standardizing on commonly used equipment should reduce costs by reducing inventories, training of staff, and the need for specialized tools to work on a wide variety of equipment.

At their meeting on June 14, 2010, the Board of Water Commissioners voted 5/0 to concur with staff's recommendation.

Council Agenda Report
Approval Of Equipment Standardization For The Water Resources Division
June 29, 2010
Page 2

ATTACHMENT: Water Resources Equipment List

PREPARED BY: Catherine Taylor, Water System Manager/CT/mh

SUBMITTED BY: Christine F. Andersen, Public Works Director

APPROVED BY: City Administrator's Office

Water Resources - Approved Standard Equipment		June 29, 2010
No.	Equipment	Section
1	EIM electric valve operators.	Cater WTP
2	Marsh McBirney insertion flow meters.	Cater WTP
3	Rosemount pressure transmitters	Cater WTP
4	Rosemount differential pressure transmitters	Cater WTP
5	Watson Marlow chemical metering pumps (peristaltic)	Cater WTP
6	Peerless Pump horizontal centrifugal pumps	Cater WTP
7	Borger rotary lobe pumps	Cater WTP
8	Hayward PVC ball valves	Cater WTP
9	George Fisher plastic body diaphragm valves	Cater WTP
10	Guardian Equipment emergency eyewash and shower equipment	Cater WTP
11	Phoenix non-fused terminal blocks	Cater WTP
12	Phoenix fused terminal blocks	Cater WTP
13	Square D control relays	Cater WTP
14	Phoenix intrinsically safe relays	Cater WTP
15	Square D variable frequency drive pump motor controllers 60-500 Hp	Cater WTP
16	Square D dry type transformers	Cater WTP
17	Schneider Electric/Square D surge protection devices	Cater WTP
18	Schneider Electric/Square D disconnect switches	Cater WTP
19	Square D low voltage molded case circuit breakers	Cater WTP
20	Square D low voltage molded case circuit motor circuit protectors	Cater WTP
21	Square D motor starters (manual)	Cater WTP
22	Square D full voltage magnetic motor starters	Cater WTP
23	Square D reduced voltage solid-state motor starters	Cater WTP
24	Schneider Electric/Square D low voltage switch gear	Cater WTP
25	Schneider Electric/Square D low voltage motor control centers	Cater WTP
26	Schneider Electric/Square D panelboards	Cater WTP
27	Bussmann low voltage fuses	Cater WTP
28	Micro Motion coriolis mass flowmeters	Cater WTP
29	Rosemount pressure/vacuum measurement diaphragm seals	Cater WTP
30	Rosemount pressure/vacuum measurement instrument manifold valves	Cater WTP
31	Rosemount pressure/vacuum measurement direct	Cater WTP
32	HACH analytical measurement pH	Cater WTP
33	HACH residual ozone anylyzers	Cater WTP
34	APC control systems uninterruptible power supplies 10 KVA and below	Cater WTP
35	Cisco ethernet switches	Cater WTP
36	Cisco process floor ethernet switches	Cater WTP
37	Cisco unmanaged ethernet switches	Cater WTP
38	Cisco routers	Cater WTP
39	Phoenix contact copper to fiber transceiver	Cater WTP
40	Phoenix 3 port fiber transceiver	Cater WTP
41	Hubbell category 5e patch panels	Cater WTP

Water Resources - Approved Standard Equipment		June 29, 2010
No.	Equipment	Section
42	Hubbell category 6 patch panels	Cater WTP
43	Hoffman networking PC cabinets	Cater WTP
44	Control Logix control systems - PLC programming software	Cater WTP
45	Square D Co. - variable frequency drive pump motor controller 0.5-50 hp	Cater WTP
46	Siemens-Robicon variable frequency drive pump motor controller 60-500 hp	Cater WTP
47	Allen Bradley Program Logic Controllers	Cater WTP/Distribution
48	Siemens ultrasonic level indicator	Cater WTP/Distribution/EEWWTP
49	HACH chlorine analyzers	Cater WTP/Distribution/EEWWTP
50	HACH turbidity meters	Cater WTP/Distribution/EEWWTP
51	HACH dissolved oxygen probes	Cater WTP/Distribution/EEWWTP
52	Rosemount magnetic flow meters	Cater WTP/Distribution/EEWWTP
53	Rosemont pressure transmitters	Cater WTP/Distribution/EEWWTP
54	Allen Bradley variable frequency drive pump controller 40 - 150 Hp	Distribution
55	Rosemount differential flow meters	Distribution
56	Keller / KPSI level transducers	Distribution
57	Sensus water meters (5/8")	Distribution
58	Murphy pressure switches	Distribution
59	Allen Bradley variable frequency drives	Distribution
60	MDS data radios (Microwave Data Systems)	Distribution
61	Phoenix industrial computers	Distribution
62	Phoenix high density relays	Distribution
63	Phoenix 24V and 12V power supplies	Distribution
64	APC uninterruptible power supplies (American Power Conversion)	Distribution
65	LMI chemical feed pumps	Distribution
66	Cole Palmer peristaltic pumps	Distribution
67	Industrial Scientific gas detectors	Distribution
68	Hoffman enclosures	Distribution
69	Siemens / Milltronics Hydroranger Level Sensor	Distribution
70	Metron water meters (1" and larger)	Distribution
71	Pratt isolation valves	Distribution
72	Cla-Val pressure reducing valves	Distribution
73	James Jones Fire Hydrants	Distribution
74	Armorcast meter boxes	Distribution
75	Crane check valves	Distribution
76	De Zurik plug valve	Distribution/EEWWTP
77	Modicon Quantum Program Logic Controller	EEWWTP
78	U.S. Filter-Wallance & Tiernan residual chlorine analyzers	EEWWTP
79	Rosemont -radar level monitoring	EEWWTP
80	Telemechaniques - variable frequency drive pump motor controllers	EEWWTP