



CITY OF SANTA BARBARA

COUNCIL AGENDA REPORT

AGENDA DATE: June 21, 2016

TO: Mayor and Councilmembers

FROM: Water Resources Division, Public Works Department

SUBJECT: Approval Of Equipment Standardization List For The Water Resources Division

RECOMMENDATION:

That Council find it to be in the City's best interest to approve an Equipment Standardization List for the Water Resources Division for the next three years, in accordance with Section 4.52.080 (L) of the Municipal Code.

DISCUSSION:

The Water Resources Division 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 to standardize on equipment commonly used to support and maintain these facilities. Doing so minimizes the need to train staff on the installation, maintenance, and use of a wide variety of equipment. It also reduces the need to stock an array of specialized tools, and minimizes the parts inventories necessary to perform equipment maintenance. Standardizing also provides better response times for making repairs and responding to emergencies, resulting in improved performance and reliability of the City's Water Resources facilities.

Section 4.52.080 (L) 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 interest of the City. Council last approved an update to the Water Resources Equipment Standardization List on July 16, 2013, for a period of three years. With changing technologies, evolving industry standards, and changes in equipment availability, staff is returning to Council to recommend approval of the updated Equipment Standardization List for the Water Resources Division for the next three years (see Attachment).

BUDGET/FINANCIAL INFORMATION:

Water Resources expenditures on the Equipment Standardization List shall not exceed the amounts that 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.

ATTACHMENT: Water Resources Equipment List, dated June 21, 2016

PREPARED BY: Catherine Taylor, Water System Manager/mj

SUBMITTED BY: Rebecca J. Bjork, Public Works Director

APPROVED BY: City Administrator's Office

| No. | Equipment |
|-----|--|
| 1 | EIM electric valve operators |
| 2 | Rotork electric valve actuators |
| 3 | Marsh McBirney insertion flow meters |
| 4 | Rosemount pressure transmitters |
| 5 | Rosemount differential pressure transmitters |
| 6 | Watson Marlow chemical metering pumps (peristaltic) |
| 7 | Peerless Pump horizontal centrifugal pumps |
| 8 | Borger rotary lobe pumps |
| 9 | Hayward PVC ball valves |
| 10 | George Fisher plastic body diaphragm valves |
| 11 | Guardian Equipment emergency eyewash and shower equipment |
| 12 | Phoenix non-fused terminal blocks |
| 13 | Phoenix fused terminal blocks |
| 14 | Square D control relays |
| 15 | Phoenix intrinsically safe relays |
| 16 | Square D variable frequency drive pump motor controllers 60-500 Hp |
| 17 | Square D dry type transformers |
| 18 | Schneider Electric/Square D surge protection devices |
| 19 | Schneider Electric/Square D disconnect switches |
| 20 | Square D low voltage molded case circuit breakers |
| 21 | Square D low voltage molded case circuit motor circuit protectors |
| 22 | Square D motor starters (manual) |
| 23 | Square D full voltage magnetic motor starters |
| 24 | Square D reduced voltage solid-state motor starters |
| 25 | Schneider Electric/Square D low voltage switch gear |
| 26 | Schneider Electric/Square D low voltage motor control centers |
| 27 | Schneider Electric/Square D panelboards |
| 28 | Bussmann low voltage fuses |
| 29 | Micro Motion coriolis mass flowmeters |
| 30 | Rosemount pressure/vacuum measurement diaphragm seals |
| 31 | Rosemount pressure/vacuum measurement instrument manifold valves |
| 32 | Rosemount pressure/vacuum measurement direct |
| 33 | HACH analytical measurement pH |
| 34 | HACH residual ozone analyzers |
| 35 | Hach Colorimeters |
| 36 | APC control systems uninterruptible power supplies 10 KVA and below |
| 37 | Cisco ethernet switches |
| 38 | Cisco process floor ethernet switches |
| 39 | Cisco unmanaged ethernet switches |
| 40 | Cisco routers |
| 41 | Phoenix contact copper to fiber transceiver |
| 42 | Phoenix 3 port fiber transceiver |
| 43 | Cisco category 5e patch panels |
| 44 | Cisco category 6 patch panels |
| 45 | Hoffman networking PC cabinets |
| 46 | Control Logix control systems - PLC programming software |
| 47 | Square D Co. - VFD pump motor controller 0.5-50 hp |
| 48 | Siemens-Robicon VFD pump motor controller 60-500 hp |
| 49 | Tomco CO ₂ system components |
| 50 | Wedeco O ₃ system components |
| 51 | Grifco calibration and chemical feed components |
| 52 | US Filter chemical feed pumps |
| 53 | Wallace and Tiernan PCUs ,controllers and Encore 700 feeder components |
| 54 | MSA Altair 4x multi gas detectors |

| No. | Equipment |
|------------|---|
| 55 | Fluid Dynamics dry and liquid polymer systems |
| 56 | Ashbrook belt filter press |
| 57 | De Zurik process valves |
| 58 | Henry Pratt process valves |
| 59 | Polychem non-metallic chain and flight sludge collection system |
| 60 | Quincy air compressor |
| 61 | Pioneer pumps |
| 62 | Gardner Denver blowers |
| 63 | Landa pressure washers (hot water) |
| 64 | Lightnin/SPX mixers |
| 65 | Flygt Pumps |
| 66 | SPS mixers |
| 67 | Caterpillar generators |
| 68 | Allen Bradley Program Logic Controllers |
| 69 | Siemens ultrasonic level indicator |
| 70 | HACH chlorine analyzers |
| 71 | HACH turbidity meters |
| 72 | HACH dissolved oxygen probes |
| 73 | Rosemount magnetic flow meters |
| 74 | Rosemont pressure transmitters |
| 75 | Keller / KPSI level transducers |
| 76 | Murphy pressure switches |
| 77 | MDS data radios (Microwave Data Systems) |
| 78 | Phoenix industrial computers |
| 79 | Phoenix 24V and 12V power supplies |
| 80 | Hoffman enclosures |
| 81 | Allen Bradley VFD pump controller 40 - 150 Hp |
| 82 | Rosemount differential flow meters |
| 83 | Sensus water meters (5/8") |
| 84 | Allen Bradley variable frequency drives |
| 85 | Phoenix high density relays |
| 86 | APC uninterruptible power supply (American Power Conversion) |
| 87 | LMI chemical feed pumps |
| 88 | Cole Palmer peristaltic pumps |
| 89 | Industrial Scientific gas detectors |
| 90 | Siemens / Milltronics Hydroranger Level Sensor |
| 91 | Metron water meters (1" and larger) |
| 92 | Pratt isolation valves |
| 93 | Cla-Val pressure reducing valves |
| 94 | James Jones Fire Hydrants |
| 95 | Armorcast meter boxes |
| 96 | Crane valves |
| 97 | De Zurik plug valve |
| 98 | Itron / Encode with Intergral Connector ERW-1300 (100W) |
| 99 | Itron / Handhelds FC-300 |
| 100 | Itron / Handheld Software (MVRS-C) |
| 101 | Itron / Charging Stations |
| 102 | Sensus water meters (Aqua Metric Recycle Meters) |
| 103 | Limitorque electric valve actuator |
| 104 | US Motors pump motor (high efficiency) |
| 105 | ASCO transfer switch |
| 106 | Master Meter ultrasonic water meter (3-inch and larger) |
| 107 | PAX Mixing System |
| 107 | PAX Ventilation System |

| No. | Equipment |
|-----|--|
| 108 | 3T Equipment Co. Distributor for RS Technical Sewer Main CCTV Camera and Track Motor Parts and Accessories. |
| 109 | ABS Pumps |
| 110 | APC - American Power Company, UPS - Uniteruptible Power Supply Units |
| 111 | Ashbrook Simon-Hartley Winkelpress |
| 112 | Cornell Pumps |
| 113 | DELL Servers, Computers and Screens |
| 114 | Delroyd-Nuttall Gear LLC, Gear Reducers |
| 115 | Door-Oliver, Gear Reducers |
| 116 | Eimco Gear Reducers |
| 117 | Envirex Chain and Scrapper Sludge Collector Systems: <ul style="list-style-type: none"> - Bearing Sleeve Band Clamps - Drive Chains - Drive Sprockets - Flight Chains - Flight Chain Holder Attachments - Flight Chain Pins - Flight Squeegee Assembly - Flights Sigma Plus 3"x 8"x 238" - Free Spinner Sprocket Bearing Sleeve Assembly - Free Spinner Sprocket Stub Shafts Assembly - Free Spinner Sprockets 23 Tooth - Head Shaft Bearing Assembly - Head Shaft Keyed Sprockets 23 Tooth - Head Shaft Keyed Sprockets 40 Tooth - Idler Sprockets - Jaw Clutch's - Railing Track Brackets - Secondary Scum Skimmer Assembly - Spacers Blocks - Upper, Lower, Curved Railing Track - Wear Shoes (Forward, Return and Guide) - Wear Strips (Floor & Railings) |
| 118 | Envirex Primary Scum Skimmers Assembly (Bearings, Shafts, Scrapers) |
| 119 | Fairbanks and Morse Pumps |
| 120 | FCI Gas/Air Flow Meters |
| 121 | Flowserve Pumps |
| 122 | Fluid Dynamics / DynaJet Dry Polymer System |
| 123 | FLUKE Instruments, Multimeters, Mliampmeters |
| 124 | Flygt ITT Industries Inc Pumps/Xylem |
| 125 | FMC Corporation Grit System |
| 126 | Fontaine Valves |
| 127 | GMS Filtration - Belt Press Belts |
| 128 | Godwin Pumps/Xylem |
| 129 | Haaker Equipment Co. - distributor for Envirosight Quckview CCTV inspection pole camera equipment. |
| 130 | Headworks Screens |
| 131 | Huber Washer Compactor/JDV Equipment Corp |
| 132 | Hydromatic Pumps |
| 133 | Ingersoll Rand Plant Air Compressors |
| 134 | ISCO Samplers |
| 135 | Kato Generator |
| 136 | Koyo PLC's |

| No. | Equipment |
|-----|--|
| 137 | Landia Mixers |
| 138 | Link-Belt Gear Speed Reducer |
| 139 | Matticks Industries Supply Exhaust Fans |
| 140 | Met-Pro Environmental Air Solution / Duall, Air Scrubbers |
| 141 | Milliken Valves |
| 142 | Milroyal Pumps |
| 143 | Modicon Quantum Program Logic Controller |
| 144 | Moyno Pumps |
| 145 | MSA Gas Monitoring Sensors |
| 146 | Netzsch, North American LLC - Nemo Pumps |
| 147 | Olympian Generator |
| 148 | Ovivo After Market Group (Eimco rep) Heat Exchangers |
| 149 | Pacific Tek Screening Removal System |
| 150 | Parkson Corporation Conveyor Systems |
| 151 | Patterson Pump Division Pumps |
| 152 | Peabody Floway Pumps |
| 153 | Poly Processing Tanks |
| 154 | Polytech Corporation Secondary Scum Collector: - Rotating pipe Scum Collectors Assembly - Worm Gears - Ring Gears - Seals - Seal Clamps - Skimmer Tubes - Wall Bearings - Wall Bear Plates |
| 155 | Power Prime Pump |
| 156 | Pro Quip Inc, Gear Reducers |
| 157 | Red Valve Company Valves |
| 158 | Reliance (Variable Freq Drive) WAS, RAS |
| 159 | Roots Dresser, Blowers |
| 160 | Rosemont -Radar Level Monitoring |
| 161 | Rosemount Radar Level Sensors |
| 162 | RS Technical - Sewer Main CCTV Camera and Track Motor |
| 163 | Serpentix Corporation Conveyor Systems |
| 164 | Siemens Ultrasound Level Sensors |
| 165 | Siemens Variable Frequency Drives |
| 166 | Smith and Loveless Pumps |
| 167 | Sonic Wall VPN/LS Routers |
| 168 | Tarby Pumps |
| 169 | Taylor Dunn Electric Carts |
| 170 | Telemecaniques - ALTIVAR Variable Frequency Drive Pump Motor Controllers |
| 171 | Turblex Inc, Blowers |
| 172 | US Filter, Poly Blend Pumps |
| 173 | US Gearmotors Series 3000 - Emerson Gear Reducers |
| 174 | Varec Gas System |
| 175 | Vaughan Company, INC Pumps |
| 176 | Wallace & Tiernen Chlorine Residual Analyzers/Siemens |
| 177 | Wemco Pumps |
| 178 | Westinghouse-Cuttler Hammer MCC's |