

techwire

California Finds ‘Holistic Way’ of Battling Cyberthreats

BY SAMANTHA YOUNG

A row of desks faces what is described as the hyper-wall – 14 flat screens set up to show the people in the room California’s cyberdefense and other possible threats.

The impressive display is a small but critical component of California’s effort to thwart cyberattacks before they begin and provide a rapid response to those that do break through government firewalls. And it is the heart of the California Cybersecurity Integration Center.

“This is a holistic way of searching,” Col. Keith Tresh, the center’s commander, said as he stood in front of the hyper-wall on a recent tour he gave to Techwire. “It’s intelligence gathering and sharing it.”

Created by Gov. Jerry Brown in a 2015 executive order, the center is designed to provide a coordinated state approach to cybersecurity and ensure that top law enforcement and technology officials share critical — often classified — information about potential threats to state agencies, local and tribal governments, federal officials, private companies, utilities and academic institutions across the state.

The mission: To reduce the likelihood and severity of cyber incidents that could damage the state’s economy, its critical infrastructure, or public and private computer networks.

“Being one of the largest states with one of the largest economies in the world, we’ve got to focus on it,” Tresh said.



Keith Tresh,
CISO

The cyber team works alongside analysts at the State Threat Assessment Center, California’s critical-intelligence clearinghouse created after the 9/11 terror attacks to alert policymakers and public safety officials about threats to the state, including terrorism, narcotics and human trafficking, criminal gangs, extremist movements and threats to the state’s infrastructure.

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NEWS BRIEFS

State DGS: We'll Use Audit Findings to Improve Procurement

In the wake of a state audit report that faulted two agencies' oversight of noncompetitive state contracts, senior leaders of both departments said this week that they agreed with the recommendations and intend to implement them.

The audit, issued by State Auditor Elaine Howle, cited the departments of General Services and Technology for bypassing the state's bid process, "potentially putting the state at risk of not receiving the best value."

DGS Director Daniel Kim said his department "is firmly committed to ensuring competitive procurements and contracting that promotes and provides for open and fair competition."

Of the 27 noncompetitive contracts reviewed by the state auditor, between fiscal years 2011-12 and 2015-16, nine lacked justification for bypassing the competitive bid process and 14 failed to show that the vendor's prices were reasonable.

The Department of General Services will learn from the audit, said Assistant Deputy Director Michael Liang in the Public Affairs Office.

"DGS takes very seriously the recommendations put forth by the state auditor in her review of the department's management of non-competitive procurements," Liang wrote in an email to Techwire. "This audit provides us with the opportunity to better serve our clients and protect the public's interest. DGS is firmly committed to efficiently and economically managing state procurement practices in order to provide fair and reasonable competition among bidders and secure the lowest prices for taxpayers."

California Gains New Tax Departments, Keeps New Software

While California lawmakers are working out ways to break the state's Board of Equalization into two new agencies, the cohesive technology built for it will still exist.

The Centralized Revenue Opportunity System, or CROS, will function under the Tax and Fee Administration department, replacing the two-decade-old legacy system in which the Board of Equalization listed all taxpayer accounts. The new system is based on GenTax software, owned by FAST Enterprises. It will act as a data warehouse infrastructure and improve billing processes.

The state entered an \$85 million contract with FAST in 2016. FAST is adjusting the system to meet California's tax needs, which could bring in up to \$200 million in extra revenue annually. The new program will help with business permitting and tax filing.

An Hour with San Jose's CIO



Rob Lloyd,
CIO, San Jose

CIO Rob Lloyd joined *Techwire* July 21 for a forum led by Techwire's Joe Morris.

Lloyd summed up San Jose by saying it is "large, very diverse, very techy and very costly." The city has more than 6,000 government employees and a total budget of \$3.2 billion, of which nearly \$20 million has been allocated to the IT department in the 2016-17 fiscal year. As the cultural and political center of Silicon Valley, it's only fitting that San Jose is on its way to becoming a smart city.

For the upcoming year, the IT department has about \$23 million in straight funding and a bit less than \$20 million in project funding.

Lloyd also discussed some issues related to San Jose's migration of a lot of its operation into the cloud, and he cited the importance of having a good relationship between the city and the vendors it works with.



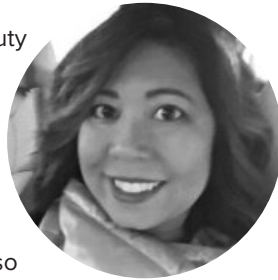
NEWS BRIEFS

New Deputy Chief Information Officer Comes to Covered California

Brenda Bridges Cruz has been appointed as deputy chief information officer of Covered California.

Bridges Cruz has been a civil servant since 1998. Before joining Covered California, she worked at CalPERS as chief of the Analysis, Quality and User Experience Section, chief of Application Development and Support Services, and chief of Enterprise Quality Assurance. She also spent almost four years as an ACES test manager in the Employment Development Department.

Bridges Cruz, whose appointment was made last month, received her bachelor's degree from Valdosta State University in Georgia. She also studied law at University of the Pacific—McGeorge School of Law and Public Policy and Administration at CSUS.



A Long-Troubled California Tax Agency is on The Chopping Block

Legislation on the governor's desk would significantly limit the powers of the Board of Equalization, a move lawmakers described as necessary to bring transparency and fairness to taxpayers after years of scandal.

If Gov. Jerry Brown signs AB 120, the elected board would remain but be stripped of many of its duties. Two new departments would manage dozens of tax and fee programs and settle taxpayer disputes.

The proposed overhaul comes after audit revelations revealed misconduct at the BOE, including civil servants being redirected to members' personal projects, staff intimidation and the violation of standard operating procedures.

"There should be great concern about it," Sen. Toni Atkins, D-San Diego, said during the Senate floor debate last week. "It demonstrates to me that there's significantly a lack of accountability that cannot go unchecked."

State Controller Betty Yee, one of the plan's key architects, said lawmakers had responded to the dire need to overhaul the board, citing a 2015 review by her office showing that the board had misallocated \$47.8 million in sales tax revenue.

She praised lawmakers for taking "the duties of BOE down to the studs" and structurally remodeling it "to ensure more consistent, fair, transparent and efficient administration of California's tax laws and appeals."

Lawmakers approved the plan Thursday as part of a package of budget-related bills — a path that drew opposition, mostly from Republicans, who complained that the proposal had been rushed through the Legislature with little vetting and in a manner that could be unconstitutional.

CHP Has 6 RFPs for Video, Phone, Radio Projects

The California Highway Patrol has six open RFPs regarding security surveillance cameras and closed-circuit television.

They are listed below:

- Otay Mesa Commercial Vehicle Enforcement Facility (CVEF) — Security Cameras and CCTV Replacement
- Calexico CVEF — Security Camera and CCTV Replacement
- San Onofre CVEF North and Southbound — Security Camera Installation
- Sidewinder Platform Scales — Security Camera Installation
- Black Rock Scales — Security Camera Installation
- Peralta Platform Scale East and Westbound — Security Camera Replacement

For each of these projects, the vendor is required to either install or replace security surveillance cameras in the respective locations. Other required services include, but are not limited to, furnishing all supplies, materials, tools, equipment, labor, personnel and supervision; and paying all costs, both direct and indirect.

There is no maximum contract amount for these projects yet, but estimates are expected in mid-August, according to the contract analyst.

Additionally, the CHP has three open bids regarding maintenance and repairs of the cabling and Toshiba telecommunication system for the Central, Inland and Golden Gate divisions. The CHP is prepared to spend up to \$45,000 for these projects, with the maximum contract amount for each division being \$15,000.



CHPCA.GOV

NEWS BRIEFS

CDT Gains Chief of Technology Services



Richard Rogers has been appointed chief of the Office of Technology Services in the California Department of Technology, where he had served as deputy director of engineering since 2015.

Before joining the Office of Technology Services, Rogers worked in the California Employment Development Department from 1986 to 2015. He held many positions, including chief of the infrastructure and applications division, business applications services supervisor and member of the enterprise architecture team. In his position as chief of the infrastructure and applications division,

Rogers started a massive change in 2008. This change was in response to budget constraints and a need to serve a record number of unemployment and disability applicants. It was one of the state's largest computer and network infrastructures.

California Bill Bucks Congress on Online Privacy

In a direct rebuke to the Republican Congress, one California lawmaker is pushing legislation that would limit what Internet providers can do with customer data in the nation's most populous state.

Assemblyman Ed Chau, D-Monterey Park, unveiled legislation June 19 that would restore federal Internet privacy rules that Congress recently overturned.

At issue is whether Internet service providers — such as AT&T, Verizon and Comcast — should be allowed to track customer searches and sell that information. The Federal Communications Commission (FCC) under the Obama administration had issued a rule that would have required Internet providers get customer consent before selling their personal information.



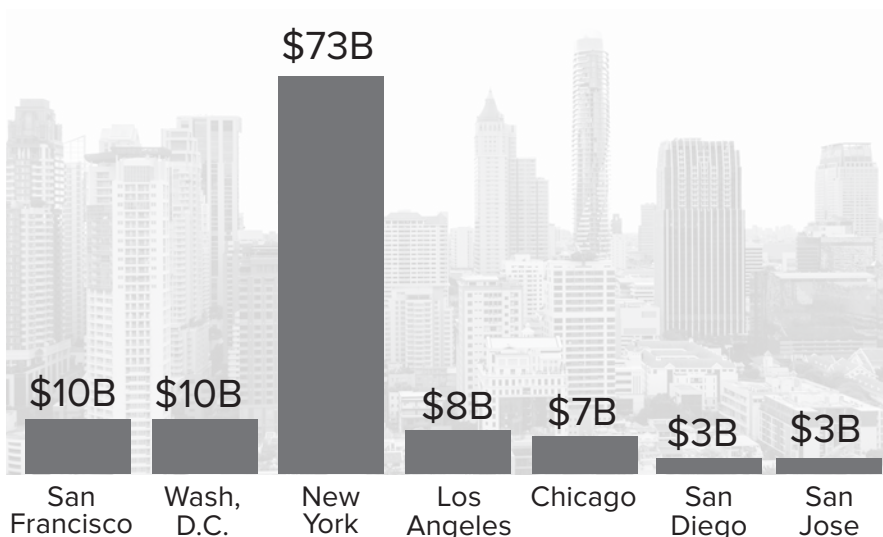
How California Cities' Spending Stacks Up

Here is look at California's local government spending. This time, the focus is cities. California is home to a diverse business ecosystem and four of the top-spending cities in the U.S.

San Francisco's total \$10 billion city budget is as much as Washington, D.C., and is only second to New York's \$73 billion.

The city of Los Angeles follows San Francisco and spends just \$1 billion more than Chicago, at \$8 billion in total expenditures.

San Diego and San Jose's budgets come in at \$3 billion, close to what the other top 20 cities spend.



NEWS BRIEFS

West Sac Swipes Right on Citizen Engagement



SACOG.ORG

West Sacramento's mayor wants to fix civic engagement with an app that acts a lot like Tinder.

Mayor Christopher Cabaldon was told he was "heretical" when he started bouncing ideas around at South by Southwest and the Conference of Mayors, he said. Cabaldon has been looking for ways to reduce the cost of civic engagement and increase the return on investment.

"They are doomed to fail but they also are utterly counterproductive when it comes to government effectiveness, citizen trust, social equity," Cabaldon said.

Part of the system being broken is the length of time it takes to get projects approved. Cabaldon said it could take six to 18 months to approve permits for a tasting room or brewery, limiting the kinds of investors that can compete.

Cabaldon was looking for ways to uncover what residents want, even when they aren't sure of their own preferences.

"To some extent, we will be able to intuit from your casual and frequent swiping, what your underlying preferences and desires are, rather than trying to query you on things you may not be self-aware of," Cabaldon said.

Building the app in-house is an inexpensive way to access more information. The app is location-based

and shows pictures of different types of businesses and land uses for where a person is standing.

Without a commitment, based on a feeling or impression, users can swipe left or right on images that could be alternative ways that area is used. The images are coded with information

that helps the city gather data about density, land use and residents' business preferences.

"Cities are not dates, but cities don't engage in cognitive research and the sorts of things the private sector was trying to get citizens to engage with itself," Cabaldon said.

A promotional poster for a Techwire event. The background is light gray with several dark gray circles of varying sizes, some containing white paw prints. The Techwire logo is in the upper left. The main text reads: "Have a drink. Mingle with peers. Help fur-babies." followed by the question "Has there ever been a happier hour?". Below this, it states: "The Techwire team is hosting a networking mixer to benefit the Front Street Animal Shelter. For each attendee, we will donate \$20 to animals in need." It then says: "So grab a colleague and join our happy hour for some delicious bites and icy cold beverages. It's the purrfect way to connect with the Techwire community, support a great cause and of course - beat the heat!" and "We hope you can make it!". On the right, it lists: "When: Thursday July 20, 2017 5:00-7:00 pm", "Where: El Rey 723 K Street Sacramento, CA 95814 916-400-4170 www.elreyonk.com", and "RSVP: Coleman Leonardo cleonardo@techwire.net". At the bottom is a stylized illustration of various drinks in different glasses and bottles.

CONTINUED FROM FRONT PAGE

Computers run threat intelligence platforms that do much of the analysis – sorting through roughly 8.5 million potential cyberthreat events, such as ransomware attacks, botware and malware. And the cyber team steps in whenever a possible threat indicator might need further study.

When cybercriminals attempt to install malicious software on government computers with so-called phishing e-mails, the cyber team works to pull out key indicators so they can advise state agencies to block similar attacks. So, if an employee unwillingly clicks on a malicious link, it won't activate because state agencies have blocked it. The center has sent out 32 advisories since April.

"If one agency gets hit by a malware, we can grab those indicators and send them out so we are all protected," said Mark McCutcheon, a cyberthreat intelligence analyst with the National Guard, who is stationed at the center.

If an active threat pops up, the team of analysts in the room can see it at the same time and work on a coordinated response. There's a color-coded map of the United States indicating whether a state alert level is low, guarded, elevated, high or severe. On a recent June afternoon, the map showed mostly "low" ratings, with a handful of "guarded" states.

Sometimes, an investigation shows nothing amiss. For example, when both public transit systems in both San Francisco and New York City shut down because of power outages, California's cybersecurity experts wanted to make sure there wasn't something larger at play. It turns out the outages were unrelated.

The center, which is funded entirely by grants from the U.S. Department of Homeland Security, has been key to a cultural shift in state government – one where state agencies now report cyber



California lawmakers are also happier that the Brown administration is taking cyber threats seriously – a turnaround from the previous two years, when the state auditor questioned California's cyber-readiness, state lawmakers scrutinized the executive branch, and top leadership in the Department of Technology left their positions.

breaches instead of hiding them out of embarrassment that their defenses had fallen. Knowing about a cyber breach at one state entity is critical to helping prevent a similar one elsewhere.

"People were afraid and didn't want to report," Tresh said. "Our job is to help them. It's not to air their dirty laundry."

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scrutinized the executive branch, and top leadership in the Department of Technology left their positions.

Assemblywoman Jacqui Irwin, D-Thousand Oaks, who serves as chair of the Assembly Select Committee on Cybersecurity, once a harsh critic, now praises the administration for getting the cyber center up and running.

"They are taking the cybersecurity threat to California seriously," said Irwin, who has toured the center and receives regular security briefings. "They have a very good structure in place." ●

LEGISLATIVE UPDATE



- **AB 1546** by Assemblywoman Autumn Burke would require a new reporting system to evaluate and rate state contractors be active by Jan. 1, 2019, for information technology contracts or any project reportable to the department. The Assembly approved the bill by a 78-0 vote.
- A second, related bill by Burke, **AB 1681**, would require the director of the Department of Technology to issue a report about its development of a standardized performance assessment system for information technology contractors. The report would be due by Jan. 1, 2019. The Assembly approved that bill by a 79-0 vote.
- **AB 1680** by Burke would require the Director of Technology to establish and oversee the implementation of a training program and curriculum for anybody engaged in the procurement of information technology. The Assembly approved the bill by a 78-0 vote.
- Legislation by Assemblywoman Catharine Baker, R-Dublin, would

require state agencies and entities to submit a report about their website accessibility at least every two years. **AB 434** also would require the Department of Technology to adopt a state Web accessibility standard by Dec. 31, 2018, and report to the Legislature how it would ensure state agency websites meet that standard. The Assembly approved the bill by a 76-0 vote.

- The California Department of Technology may get the continued authority it needs to negotiate and hammer out project details for IT goods and services. **AB 475** by Assemblyman Ed Chau, D-Monterey Park, removes a Jan. 1, 2018, sunset that lawmakers put into statute when it gave the technology department the authority to negotiate IT contracts — in addition to using the traditional method of closed, competitive bids to solicit goods and services. The Assembly approved the bill by a 69-0 vote.

GENERAL POLICY

- The Government Operations Agency would establish and

administer a government innovation fellow program under legislation approved by the Assembly. The idea is to improve state government services by placing people with advanced skill-sets and innovative backgrounds at state agencies. **AB 86** by Assemblyman Ian Calderon, D-Whittier, would require the GOA to consult with state agencies and private entities to obtain the resources and administrative support needed for the program. Whittier had initially sought an entrepreneur-in-residence program but amended the bill. The measure passed with a 69-0 vote.

- Digital signatures on state contracts are one step closer to becoming a reality. The Assembly unanimously approved legislation that would require the Department of General Services to develop procedures that would authorize electronic signatures and electronically-submitted documents for contracts covered by the State Contracting Manual. The Assembly voted 76-0 for **AB 639** by Assemblyman Jay Obernolte, R-Hesperia.

LEGISLATIVE UPDATE



CYBERSECURITY

- A bill by Jacqui Irwin would require state agencies to provide the Department of Technology with a confidential inventory of their critical infrastructure controls and assets — part of an effort to help the state combat cyber attacks. The bill also authorizes local entities to voluntarily submit their inventories to CDT. **AB 1022** would prohibit the public disclosure of the inventories. The Assembly approved the bill by a 76-0 vote.
- The Assembly believes Gov. Jerry Brown's cybersecurity center should be codified into law. **AB-1306** by Jay Obernolte, R-Big Bear, would set in statute the existence of the California Cybersecurity Integration Center (Cal-CSIC) at the Office of Emergency Services, which Brown created in a 2015 executive order. The bill would also authorize the Director of Emergency Services to administer, authorize and allocate federal homeland security grant funding. Lawmakers approved the bill by a 73-1 vote.
- With cyber attacks rising in number and severity, lawmakers want to ensure California's higher institutions are training the future workforce.

AB 276 by Jose Medina, D-Riverside, directs the Regents of the University of California, the Chancellor's Office of the California State University, and the Chancellor's Office of the California Community Colleges to complete a report that evaluates the current state of cybersecurity education and training programs. The Assembly approved the bill by a 76-0 vote. It is now before the Senate Rules Committee.

TRANSPARENCY

- Seeking to make government more accessible to the public, the Assembly approved legislation that would require the California Environmental Protection Agency to live stream all of its onsite public meetings. **AB 816** by Kevin Kiley, R-Roseville, would also require the webcasts to be done in a way that listeners and viewers can ask questions and provide public comment. It would also require all recordings of webcasts be made available online for no less than three years. Lawmakers approved the bill by a 76-0 vote.

DATABASES

- Legislation now before the Senate would make prescription opioid data more available to physicians and

pharmacists. **AB 40** by Assemblyman Miguel Santiago, D-Los Angeles, would require the state Department of Justice to create an electronic history of controlled substances that have been dispensed to an individual based on data contained in its prescription drug database known as the Controlled Substance Utilization Review and Evaluation System, or CURES. It would also allow an outside health information technology system to integrate and submit queries to the database. The Assembly approved the bill on a unanimous 77-0 vote.

- Lawmakers want the public to have the ability to search for records of ex parte communication at the California Coastal Commission. **AB 684** by Assemblyman Mark Stone, D-Monterey Bay, would require the commission to develop, implement and maintain an online database of all private communications between a commissioner and an interested party, such as someone who might have business or interests before the commission. Currently, those communications are often disclosed orally at commission meetings and few details are revealed. Stone's bill would require a database by July 1, 2018. Lawmakers approved the bill by a 74-0 vote. ●

California's Enterprise Migration to Cloud Email Continues Forward

SB 327 by Sen. Hannah-Beth Jackson mandates security features in smart toys and appliances. It was pulled from the Senate floor in early June. It also would have required that Californians be alerted by either an audio or visual signal (like the blinking red record light of a video camera, for example) whenever data is being collected by their device.

SB 683 by Sen. Henry Stern, would have required that state budgets be made available online in a downloadable spreadsheet format, noting the Department of Finance would incur "significant costs" for staff and equipment to implement the requirements. It was an effort to shed more light on state expenditures, which are difficult to analyze in the HTML and PDF format now offered by the Finance Department. A Senate Appropriations Committee analysis estimated it could cost more than \$1 million to find an IT solution that could convert budget data into a downloadable format.

AB 241 from Assemblyman Matt Dababneh could have incurred a \$1 billion price tag a staff analysis found. A breach of driver license records at the Department of Motor Vehicles, for example, would cost the state more than \$1 billion to provide identity theft prevention and mitigation services. It is the second time appropriators have blocked identity theft legislation.

AB 1255 by Assemblyman Matt Dababneh, D-Encino, would have

authorized the Department of Motor Vehicles to establish a pilot program for the development of a California digital driver's license mobile application. But the cost of similar pilot programs in other states have reached roughly \$2 million, according to an analysis prepared by the Assembly Appropriations Committee, which held the bill back.

AB 1517 from Assemblyman Al Muratsuchi would have changed securities rules that govern investing and it would have cost the Department of Business Oversight \$1.5 million a year to administer. AB 1517 would have authorized the state to create a new "crowdfunding" permit and allowed for the offer and sale of inexpensive equity-based securities a bid by Muratsuchi to boost investment capital for California businesses.

AB 364 by Sen. Ed Chau would have commissioned a study of the cybersecurity industry by July 2018. Chau, who chairs the Assembly Privacy and Consumer Protection Committee, argued that the state should understand California's fast-growing cybersecurity industry so it could better promote it. But the administration estimated such a study could cost between \$400,000 and \$500,000.

AB 252, a bid by Assemblyman Sebastian Ridley-Thomas, D-Los Angeles, to ban cities and counties from taxing video streaming services



stalled for the year. The Assembly Revenue and Taxation Committee approved AB 252 by an 8-2 vote, but it was retained in committee on a procedural move. Ridley-Thomas had argued that taxation of video streaming services — such as Netflix or Amazon Video — was a state matter and must be addressed only by the state.

AB 342 by Assemblyman David Chiu would have made San Francisco and San Jose hosts for testing automated technology that tickets speeding drivers. The bill would have allowed those jurisdictions to participate in a five-year pilot program of ASE systems on streets where traffic crashes are most likely to occur. The technology is used in more than 140 cities across the country — including Denver, Washington, D.C., and Seattle — but it is not allowed under California law. Chiu pulled the bill from consideration in the Assembly Transportation Committee, citing concerns by opponents about the technology. ●

BID TRACKER



INSURANCE DEPARTMENT UPGRADING VOIP

California's Department of Insurance released a Pre-RFP for a Voice over Internet Protocol System Upgrade on June 22. The due date is August 3.

SINGLE SIGN-ON PROTOCOL FOR THE DEPARTMENT OF JUSTICE

The Department of Justice (DOJ) is seeking a contractor to create a federated identity solution for systems shared between DOJ and the University of California San Diego. The contractor will also act as a federation broker for the Controlled Substance Utilization Review and Evaluation System 2.0 for the life of the contract. The proposal is due by July 6.

MANAGEMENT ACADEMY PROGRAM AND SOFTWARE FOR DEPARTMENT OF HEALTHCARE SERVICES

The Department of Health Care Services is seeking proposals to help develop a DHCS Academy. The program will be developed by a contractor to improve management best practices, especially around MediCal, Medicaid, and other health policy programs. The proposal is due August 11.

CALIFORNIA VEHICLE INSPECTION UPDATE FOR DEPARTMENT OF CONSUMER AFFAIRS

The Department of Consumer Affairs released a request for proposals on June 2. The winning contractor would maintain and operate the California Vehicle Inspection System. The contractor would also be responsible for a virtual private network and tracking of online transactions.

MANAGEMENT INFORMATION SYSTEM IMPLEMENTATION FOR DEPARTMENT OF PUBLIC HEALTH

The Department of Public Health and the Office of Systems Integration are seeking a contractor to transfer, modify and implement a Management Information System for California's Special Supplemental Nutrition Program for Women, Infants and Children (WIC). Once the maintenance and operations contract is completed, those services will fall to the Department of Public Health. The three-year contract could extend in one-year extensions for another four years. The proposed management information system must follow U.S. Department of Agriculture certifications and integrate with the Electronic Benefit System, among other interface standards.

IT SUPPORT FOR CITY OF BEAUMONT

A bid posted June 19 by local officials in Beaumont is looking for proposals from vendors in IT service and support. The vendor will provide support and training for standing up, operating, and maintaining servers and network services. It would include updating and removing users,

assigning group policy and assigning permissions to Beaumont's city employees.

This bid is for a contract of one year and is available only for U.S.-based vendors. The work is expected to be done offsite, in the vendor's offices.

All questions must be submitted by Friday, and the deadline to submit a proposal is Aug. 7.

ACCOUNTING SOFTWARE MAINTENANCE FOR THE DEPARTMENT OF WATER RESOURCES

The Department of Water Resources (DWR) is seeking a quote from a company that will maintain the existing Utility Cost Accounting and Billing (UCAB) and the Cost Allocation and Repayment Analysis (CARA) systems. As a consultant, the company will act as a subject matter expert and work with the DWR and the Department of Technology to improve the accuracy of the systems and offer effective solutions to system integration issues and other business problems. The UCAB/CARA systems are responsible for about \$1.2 billion in annual bills per year from 29 water contractors.

The two-year contract will begin Aug. 1 and can be extended an extra two years and/or 10 percent. The bid closes on July 13.

RADIO OVER INTERNET PROTOCOL FOR DEPARTMENT OF TECHNOLOGY

The Department of Technology's request for bids on a PC-based radio over Internet protocol console system closes tomorrow. The three-year contract, which could extend up to five years, would replace and maintain the current "un-networked" radios and legacy console systems. ●

LOCAL CONTRACTS



Several local governments are seeking software contracts. Others are looking into localized customer service projects or smart city initiatives.

The city of **Sacramento** voted June 20 to award a contract to Active Network LLC for \$43,100. The money would be spent to purchase and implement an Active Net Registration Management Software system. The software contract would extend for five years and replace the Class Software System that currently manages park facility reservations in the city. New hardware could cost \$14,000 in a separate purchase.

On June 20, **Long Beach** City Council staff voted that the city manager would work with the Police Department and Technology and Innovation Department to find out if a voluntary online bicycle registration program is feasible. The program would be app-based and would pair with an education campaign.

The city of **Los Angeles** was to vote June 23 on 4G Mobile Hotspots. The vote would approve the acceptance of a World Wide Technology Inc. donation that would pay for the purchase of hardware and the service behind 100 Wi-Fi hotspots. World Wide's donation of \$3,152.77 would provide the hotspots to people who have received refurbished computers from the OurCycle LA program.

The city of **San Jose** voted June 20 on an amendment to a Intelliswift Software Inc. contract. The contract provides project management services to implement an Integrated Permitting System upgrade. The amendment would extend the contract by 19 months, until Feb. 28, 2019, and increase the cost another \$360,000 but could not exceed \$630,000.

The **West Sacramento** City Council is considering the budget for fiscal years 2017-18 and 2018-19, which, if approved, will allocate nearly \$800,000 to three "smart city" projects. The first of these would include installation of fiber-optic cable, cameras and a traffic management center. The second project would provide for transit and transportation planning, allowing for closer examination of alternative modes of transportation. Another would provide funding for traffic video detection at key intersections, improving traffic flow, incident detection and response time.

Ventura County approved and authorized a master agreement with Sirsi Corp. in the amount of \$57,536 for five years. The agreement is for software products and maintenance in Ventura County libraries.

Santa Clara County has partnered with Cognizant TriZetto Software Group Inc. to provide software licenses and expand their original Ethernet

connection between Valley Health Plan and TriZetto hosting services. The City Council approved a \$300,000 increase of the maximum contract amount, with the new maximum being \$33,887,122.

Santa Clara County approved an agreement with IBM relating to business continuity and recovery services by providing a disaster recovery warm site for the IBM mainframe. They increased the maximum contract amount by \$224,958, with the final sum being \$1,776,378, and approved an extension of the agreement for an additional year, through June 30, 2020.

The **Sacramento County** Board of Supervisors authorized the director of airports to execute an agreement with Brüel and Kjær EMS Inc. for operation and maintenance of the management system for airport noise and operations, and also a Web-accessible flight tracking system. This agreement expires at the end of June, but the department has the option to extend it for two more years.

Sacramento County authorized an agreement with IBM for \$187,843 for COPLINK system support for the period of July 1, 2017, through June 30, 2019. COPLINK is a law enforcement information sharing system that consolidates data from multiple sources. This can generate tactical leads and can help law enforcement officers discover investigative case leads. ●

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