



To: Board of Supervisors
From: Birgitta E. Corsello, County Administrator
Date: August 23, 2017
Subject: Significant Issues Update

1) County Administrator's Update on Contracts

- The Solano County Library, Technical Services division, a contract with Tricor America, Inc., for the provision of library materials, delivery services and the Library's participation in Link+ resource sharing network, \$37,620, from July 1, 2017 to June 30, 2020. The funding source is the Library Fund, including property and sales tax.
- The Department of Information Technology, a contract with AgreeYa Solutions, Inc., for intranet Webstart to SharePoint migration services, \$40,000, from August 1, 2017 to September 1, 2017. The funding source is the County General Fund.
- The Department of Human Resources, a contract with Phase II Systems, for PARS trust administration services, including performing monthly accounting of PARS Plan assets, monitoring the receipt of plan contributions made by the County to the PARS Trust Program and trustees, and the development of the Retirement Enhancement Plan annual contribution rates, \$48,000, from July 1, 2017 to June 30, 2019. The funding source is County General Fund.

2) A Pest Eradication Update from the County's Ag Commissioner

VACAVILLE MED FLY – NO REGIONAL QUARANTINE NECESSARY

On October 13, 2016, a wild, male Mediterranean Fruit fly was collected from a feeding lure trap in a pomegranate tree in central Vacaville. Wild flies are distinguishable from sterile flies released in the Los Angeles area through laboratory analysis. Genomic analysis indicated the fly shared a common ancestor with flies originating from Hawaii. At the time of this event, no other wild flies had been found in California during the 2016 fruit cycle. In response, county personnel worked with California Department of Food and Agriculture (CDFA) staff to begin a delimitation survey extending 4.5 miles in each direction from the find. In all, more than 500 additional traps were deployed and checked through the winter until a projected 3 generation fly life cycle had elapsed. If a second fly had been captured, a regional quarantine would have been implemented, restricting movement of host fruits and vegetables and prompting treatments. The third-generation benchmark was reached on July 25. The delimitation trap removal was completed on July 31, 2017.

Mediterranean Fruit fly is one of the world's worst pests of fruits and vegetables. It's larvae (maggots) are said to eat nearly everything from apples to zucchini. A link to the CDFA pest profile can be accessed by clicking [here](#). Permanent establishment of this pest would result in the loss of trading partners for host commodities and routine application of pesticides by growers. The fly was previously eradicated in the Dixon area in 2008. That eradication and quarantine resulted in over one million dollars of grower

losses due to quarantines and treatment. An additional regulatory cost of nearly six-hundred thousand dollars was carried by local, state and federal agencies responding to the event.

So, what happened in Vacaville? The wild fly could have represented a primary introduction from a quarantined area, coming in on fruit that had improperly entered California, or it might have been an individual from a small breeding population that had reproduced to a detectable level from an earlier introduction. Med Flies over-winter as pupae beneath the soil. If the fly represented a larger population, that population is likely to have died out during the recent wet winter; but we will probably never really know. In either event, a much worse situation has been avoided.

EGYPTIAN BROOMRAPE, RURAL DIXON AREA – ONGOING MONITORING

Three years ago, the parasitic plant known as Egyptian Broomrape (*Orobanche aegyptica*) was found south of Dixon in a 40-acre tomato field. This was the first report of this potentially devastating parasite in North America. Broomrapes are plant parasites like dodder or mistletoe, but they have no chlorophyll and the attach to the host beneath the soil. They pull energy from the host plant, weakening and sometimes killing it. They spread by small, sticky seeds that remain in the soil until encountering a new host. Without soil fumigation, seed can remain viable for more than 30 years! A USDA fact sheet on the pest can be viewed by clicking [here](#).

The field was immediately quarantined, with movement of people and equipment safeguarded from further spreading the problem. The tomatoes were declared to be a total loss resulting in a grower opportunity cost of \$175,000. Using California Emergency funding with an industry match, a tarped field fumigation was completed at a total cost of \$500,000. Before it can be released, three host crops must be grown without a re-emergence. This was accomplished with the field being released from hold late last year. Then on August 9, 2016, a new outbreak was discovered in a nearby tomato field farmed by the same grower. Similar losses, costs and treatment have occurred in the new field and the first host test crop is being grown now. There is a lot of interest in the industry and regulatory sectors because this is a devastating pest of tomatoes, carrots, potatoes, melons and other important crops and it currently exists nowhere else in the country.

ASIAN CITRUS PSYLLID / HUANGLONGBING (HLB) – ONGOING MONITORING

The Citrus Greening Complex is made up from an insect disease vector—Asian Citrus Psyllid and a bacterium – Huanglongbing (*Candidatus liberibacter asiaticus*). This complex has ravaged the Florida citrus industry, destroying trees and markets. Florida has lost over 100,000 acres of production valued at 2.9 billion dollars and accounting for the loss of 7,500 jobs. In California, the insect vector is becoming widespread, including 4 find sites in Solano County. This includes two sites in Fairfield, one in Dixon and one in Vallejo. But the disease has only recently been detected in limited areas of southern California where infected trees have been removed to prevent the connection of the bacteria with the insect vector. We will continue to track the spread of the insect that has now been found in Yolo, Sacramento and Placer Counties as well. The quarantine vigilance is shifting toward detecting the disease organisms the insect moves into nearly all regions of California that can host citrus trees.

FALSE YELLOW HEAD / PERENNIAL STINKWORT – ACTIVELY ERADICATING

Annual Stinkwort *Dittrichia graveolens* was introduced to California about 10 years ago. It has spread along transportation corridors and into rangeland and forage crops causing additional control costs to right-of-way weed managers and production losses to livestock producers. It's close relative, False Yellow Head or Perennial Stinkwort – *dittrichia viscosa* has been found only in Solano County. A site off Red Top Road was the first find in the United States for this very noxious weed. It was first found near a roadside popular for illegal debris dumping. From there it spread to county and city right of way, adjoining rangeland and Vallejo watershed.

Working with partners from our Weed Management Area (WMA) including Solano Resource Conservation District, Solano Land Trust, Cities of Fairfield and Vallejo and Solano County Public Works the Agricultural

Commissioner's Office has taken the lead in obtaining encroachment rights and conducting eradication activities. Eradication has involved mechanical removal of mature plants before they seed as well as cut stump and pre-emergent herbicide spraying to prevent reoccurrence. Over the last three years, this "A" rated weed has been dramatically reduced in population. We will continue these processes until it is hopefully eradicated.

Contact: Jim Allan, Solano County Agricultural Commissioner, Sealer of Weights and Measures (707) 784-1480 and JDAllan@SolanoCounty.com

3) An Update on Nutrition Education and Obesity Prevention from County Health and Social Services, Public Health Division

NUTRITION EDUCATION AND OBESITY PREVENTION GOALS (NEOP)

The overall goal of the Nutrition Education and Obesity Prevention (NEOP) program is to improve the likelihood that persons eligible for Supplemental Nutrition Assistance Program Education (SNAP-Ed) will make healthy food and physical activity choices within a limited budget, consistent with the current *Dietary Guidelines for Americans* and *Physical Activity Guidelines for Americans*.

NEOP focuses on preventing nutrition – and activity-related chronic diseases and improving food security among persons eligible for SNAP-Ed by:

- Providing information and education to promote food resource management, healthy eating, and a physically active lifestyle; and,
- Creating supportive food and activity environments in collaboration with community partners to make healthy choices easier where people eat, live, learn, work, play, and shop.

A. NEOP PROGRAM BUDGET, STAFFING AND SUBCONTRACTORS

In Federal Fiscal Year (FFY) 2016-17 the NEOP budget was \$635,765. In FFY 2017-18 the budget was reduced to \$439,607.

In FFY 2016-17 the Solano County Public Health NEOP staff consisted of two full-time and one part-time staff (1.0 FTE Supervising Public Health Nutritionist, 1.0 FTE Public Health Nutritionist and 0.5 FTE Health Education Specialist). The Solano County Public Health staff provides NEOP-related support and activities at eligible sites in Fairfield and Vallejo and at the Fairfield Suisun Unified School District. The two NEOP subcontractors are:

- Vallejo City Unified School District (\$232,964)
Vallejo City Unified School District employs two full-time staff to conduct NEOP work. They are employees of the school district and provide NEOP work only in the Vallejo City Unified School District.
- Solano County Office of Education (\$10,000)
SCOPE conducts youth engagement projects to create supportive environments for youth to be physically active and eat healthy foods. SCOPE has completed two projects, a Water for Youth project at Armijo High School and a school garden at Golden Hills Continuation High School.

In FFY 2017-18, with a budget of \$439,607, Solano County Public Health NEOP staffing consists of two full-time staff (1.0 FTE Supervising Public Health Nutritionist and 1.0 FTE Public Health Nutritionist). There will be one sub-contractor, including:

- Vallejo City Unified School District (\$204,559)

B. NEOP PROGRAM COMMUNITY CHANGE OUTCOMES

Many of the NEOP programs community change outcomes are multi-year strategies, and require the support of external partners and additional funding streams. Direct education is the foundation of NEOP, and NEOP provides nutrition and physical activity education and outreach, as well as support for policy, systems and environmental changes.

Our Policy, Systems and Environmental changes efforts to support healthy eating and increase physical activity are focused on eligible Solano County schools and the neighborhoods and environments that support them and their families. Subcontractors aid Solano Public Health NEOP in providing services and working on policies that include Youth Engagement work, increasing and improving school gardens, incorporating smarter lunchroom principles, encouraging water promotion and supporting Safe Routes to School efforts.

Progress to date has included:

GOAL ONE: Increase consumption of healthy foods, especially fruits and vegetables, and beverages and decrease consumption of unhealthy foods and beverages.

OUTCOMES:

- Provided direct nutrition and physical activity education (annually) to reach at least 4,000 students and their family members at Title 1 schools in the Vallejo City Unified School District (VCUSD) (3,250 persons) and Fairfield Suisun Unified School District (FSUSD) (750 persons).
- Participated in at least 18 community events (annually), including: School Family Nights, Youth Ag Day, Juneteenth, Loma Vista Harvest Festival/Food Day, Summer Meal Program Kick Off, Kindergarten Round Up, National Night Out, Walk and Bike to School Day, among others, to inform and educate about the consumption of healthy food/beverages and physical activity opportunities.
- The Vallejo City Unified School District has completed annually an Impact and Outcome Evaluation by matching pre-and post-Youth Behavior surveys with over 200 students to measure the impact of nutrition education at three school sites.
- Supported and worked with outside partners to install water filling stations along with the implementation of water promotion campaigns at 21 schools in the Vallejo City Unified School District, 4 schools in the Fairfield Suisun Unified School District and 2 schools in the Vacaville Unified School District.
- Supported and assisted FSUSD and the Vacaville Unified School District to incorporate Smarter Lunchroom Movement practices, including: putting chocolate milk behind the white milk, not serving chocolate milk at breakfast, only providing fresh fruits and vegetables instead of canned for their school lunch, purchasing local in-season fruit (resulting in a 20% increase in students choosing fresh fruit), implementing "Dip Your Veggie" and "Build a Salad" theme days, putting a variety of fresh fruit in colorful bowls, providing education and tasting of new ways to prepare vegetables such as roasting vegetables and simple vinegar and oil salad dressings.
- Supported and helped to create 15 school gardens and 10 container gardens at VCUSD and 3 at FSUSD.

- Promoted the Summer Meal Program for all school districts and coordinated an additional site at Health and Social Services at 2101 Courage Drive, Fairfield to provide free lunch for children up to age 18 years.

GOAL TWO: Increase physical activity.

OUTCOMES:

- Have supported Safe Routes to School activities.
- Have updated Local School Wellness policies to include NEOP-recommended activities and policies regarding nutrition and physical activity.
- Have partnered with County and Bay Area-wide (Bay Area Moves) physical activity promotion initiatives.
- Have provided training to over 20 Physical Education teachers in the Fairfield Suisun Unified School District to implement a comprehensive approach for elementary students to be physical active during school and before/after school.
- Have provided support in the creation of the Solano Parks Rx Collaborative.
- Have provided Training and Technical Assistance for Stencil Kits to encourage increased physical activity.
- Have featured the Blender Bike at events to promote physical activity and to make it fun.

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