

Breaking News

Napa area hit by 6.0-magnitude earthquake

At 3:24 a.m. on August 24, 2014, a 6.0-magnitude earthquake struck southern Napa County. It has been reported as the largest earthquake to strike the Bay Area since the Loma Prieta quake in 1989, which measured 6.9. Substantial damage occurred throughout the community, as was well-reported in local, regional and international media. Following is some perspective of the involvement of the Napa County Public Works Department:

The County's Emergency Operations Center was set up early on August 24, including substantial involvement of Public Works management and staff. The EOC mobilized numerous PW staff members from both Property Management and Engineering. An evaluation was quickly conducted of County-maintained infrastructure.

Initially it appeared that the County-maintained road system experienced little significant damage. A large boulder blocked one lane of traffic on Deer Park Road, and a rock slide occurred on Pope Canyon Road. Crews were able to quickly clear the damage in these locations and re-open these roads to traffic the same day. Significant damage occurred on Old Sonoma Road, between Congress Valley Road and Buhman Avenue. Road crews initiated repairs on August 25 and were complete the next day. Two-way traffic was able to be maintained during commute hours even on these days. Minor damage also occurred on several other roads close to the epicenter of the quake. During subsequent days, additional damage has been identified including two bridges in the area of the quake epicenter. These will need further evaluation to develop a plan for repairs.

Buildings housing County government operations did not fare so well. Several buildings had to be closed for damage assessment, including the County Administration Building, the Carithers Building, 650 Imperial Way and the County Library, as well as part of the Health and Human Services campus on Old Sonoma Road. Following initial damage assessments and cleanup, many offices were open for business by Tuesday, August 26, either in their original locations or in temporary quarters. Affected departments needing to relocate include:

Administration (3rd floor) – Board of Supervisors, Executive Office, County Counsel; **Carithers (entire building)** – Assessor-Clerk-Recorder, Child Support Services, Comprehensive Services for Older Adults, District Attorney, Public Defender; **Hall of Justice (2nd floor)** – Court bailiffs, District Attorney, Parks, Adult Probation. All these departments are open for business; details can be found at this page on the County website: <http://www.countyofnapa.org/Pages/Content.aspx?id=4294982247>

The County is now working with its insurance carrier and various contract service providers to complete the damage assessment and cleanup on these hardest-hit facilities. Initiation of repairs will follow shortly.

Watch for more coverage of South Napa Earthquake 2014 in future issues of P.W. Progress!



Editor's office at press time

This just in...

Prior to the earthquake, the plan was for 32 staff from the Health and Human Services Agency's Fiscal Division to move from Old Sonoma Road to Building 1 at the South Campus and be the very-first tenants in this new County facility. Their early move was identified as a need, to make room for new staff coming on board at HHSA. The Fiscal Division was tapped to go first because their new space does not require significant tenant improvements and is ready to go.

Since the earthquake, the South Campus was quickly identified as logical "swing space" for the various departments relocating due to damage at their original sites. Due to various logistics involved, staff from the Assessor-Clerk-Recorder will actually be the first new tenants at South Campus, with HHSA Fiscal to follow sooner than was planned, and numerous other departments to follow closely behind.

Breaking News

Vine Trail receives \$3.6M Active Transportation Grant

Big, big news! The last piece of the funding puzzle just came together for the construction of over 6 new miles of the Napa Valley Vine Trail! This means that by fall 2015, residents and visitors alike will be able to walk, jog, run, skate or bike an almost seamless 12.5 miles of Vine Trail between Napa's Kennedy Park and Yountville's Madison Street.

THE GRANT: On August 20, the California Transportation Commission awarded a \$3.6 million grant to the Napa County Transportation & Planning Agency (NCTPA) to build the 6-mile Oak Knoll District section of bike/pedestrian Vine Trail paralleling Solano Avenue, connecting the City of Napa's existing "Crosstown Commuter Trail" at Redwood Road to the inaugural Vine Trail mile in Yountville.

The funding came from the State of California's Active Transportation Program (ATP). This program was established in 2013 to combine a number of federal and state programs that support pedestrian, bicycling, recreational and Safe Routes To School projects. The Vine Trail-Oak Knoll District gap closure project is a coordinated effort between NCTPA, the Vine Trail, the County of Napa, the City of Napa, and the Town of Yountville.

TOUGH COMPETITION: This first round of funding was highly competitive, with only 124 of 771 applications funded, totaling \$184 million. The Vine Trail project was one of only twelve awarded in the Bay Area. Kudos to the effective and enthusiastic grant writers at NCTPA, with a special shout out to Vine Trail Route/Engineering Chair Philip Sales for his tireless contributions to the process.

NCPTA SUPPORT: Kate Miller, Executive Director of Napa County Transportation and Planning Agency is thrilled that the project received funding. "We've worked very hard to support the Vine Trail Coalition's efforts, as we believe the project will greatly improve the County's active transportation network, improve safety for Napa's children, and encourage interest in biking and walking."

VINE TRAIL PUBLIC/PRIVATE PARTNERSHIP: Chuck McMinn, Executive Director of the Napa Valley Vine Trail Coalition, gave credit to the public-private partnership which has allowed the Vine Trail to proceed. "This is an example of how government and our member board of twenty-eight community organizations can work together to achieve something which benefits the whole community. We are grateful for the generous support of our Founders Circle, which raised \$1 million in matching funds since February, and our premier partners, the Napa Valley Vintners and Visit Napa Valley." Local design firm RSA+ engineered the project, which is scheduled to begin construction in Spring 2015.

THE FUNDING PUZZLE: This \$3.6 Million ATP grant will combine with three other sources to fund the 6.3 miles of Vine Trail construction along Solano Ave, the Vine Trail's Oak Knoll District section.

- **\$2.5 Million TCSP grant**—this segment of the Vine Trail won early federal support in 2011, with a Transportation Community and System Preservation grant secured by NCTPA following then-Secretary of Transportation Ray LaHood's visit to the Yountville Mile.
- **\$211,000 CMAQ**—NCTPA identified these Congestion Management and Air Quality funds for this project.
- **Vine Trail FOUNDERS CIRCLE 2014**—the balance of construction and local matching funds have been raised philanthropically by the Vine Trail Coalition's FOUNDERS CIRCLE campaign, including grants from our Premier Partners, Napa Valley Vintners and Visit Napa Valley.
- **Additional connection in Napa/Tulocay**—The City of Napa has allocated funding to extend the Vine Trail and Napa River Trail over Tulocay Creek (near Imola) north into downtown Napa's 3rd Street Bridge.

The Napa Valley Vine Trail Coalition, founded in 2008, is a grass-roots nonprofit working to build a 47-mile walking/biking trail system to physically, artistically, and culturally connect the entire Napa Valley—from historic Vallejo's Ferry Terminal to the foot of Mt. St Helena in Calistoga. The Vine Trail will get people outdoors and active like never before. The trail will serve residents and tourists alike and stimulate millions of dollars each year to the local economy.

For more information, please visit <http://vinetrail.org/>



P.W. Progress

Special Interest Articles:

- Building facelift, page 2
- Last storm damage repair, page 3
- MST project breaks ground, page 4
- Animals break record, page 6
- New airport tenant, page 6

Sections:

| | |
|------------|---|
| Buildings | 2 |
| Roads | 3 |
| Water | 4 |
| Energy | 5 |
| Good news! | 6 |

Napa County Public Works
1195 Third St., Suite 101 Napa CA 94559

(707) 253-4351
PublicWorks@countyofnapa.org

Pointing the Way

County crews recently installed over 30 new signs around Lake Berryessa, to help visitors find their way to the recreational facilities in the area.

Working with the U.S. Bureau of Reclamation and the Lake Berryessa Chamber of Commerce, staff developed a plan to place signs at key locations along Berryessa Knoxville Road and State Route 128. Signs were installed under an encroachment permit from Caltrans on state routes.

The new signs feature the "international" symbols for

the features of each facility, such as boat launch ramps, camping and picnic areas, hiking, as well as restrooms and telephones.

The signs have already been welcomed by the community. Bob Lee, of the Chamber of Commerce, said "the signs are great! Comments I have heard are very positive. Something to cheer about!" Jason Jordan, USBR, added "lake visitors and residents will benefit from the information and direction improvements made around the lake."



*Distance ahead signs (top)
Facility signs (bottom)*

Update on Milliken-Trancas Stone Bridge

On August 19, the Board of Supervisors received a presentation on a recently-completed report about the stone bridge on Trancas Street at Milliken Creek, which was damaged in a collision on May 5.

The report was prepared by consultant Biggs Cardosa, Inc. and assessed the current condition of the bridge and evaluated the feasibility of four alternative approaches for improvement.

Options included restoring the bridge to its pre-collision condition, widening and

improving it to fully comply with modern construction standards, constructing a new bridge alongside it, or improving the adjacent newer bridge and signaling the all-way stop intersection.

The presentation was intended to introduce the Board and the community to the range of alternatives and the associated costs, time frames and environmental factors associated with each. The Board took no formal action but did indicate their support for reopening the bridge as soon as possible with temporary repairs, while

working on a longer-term project to implement a permanent repair of the bridge.



May 5 collision (above)

Possible temporary repairs (below)





Before (above)

Finished product (below)



Building facelift – Looks great, less money!

The County’s facility at 650 Imperial Way in Napa has just completed a facelift which will save money!

The project included the replacement of over 200 windows. The new ones are dual pane, energy efficient, argon gas-filled units; sealant, gaskets and caulking were replaced as well.

The building also got a fresh coat of elastomeric paint, following a good pressure washing. The elastomeric

material is known for its flexibility and water sealing characteristics, and was recently used on the County Administration Building.

The final touch was replacement of three sets of exterior doors with insulated glass units.

These improvements will protect the county’s investment in this property and improve its energy efficiency into the future.



After pressure wash

Jail Projects Advance

Existing Jail facilities date back as far as the mid-1970s. The effort to properly maintain the facilities has been ongoing. Although the County is also planning for new facilities at the recently purchased Jail property, it is necessary to maintain the existing facilities until the new ones are constructed. In addition, certain correctional functions will remain in the existing facilities after the new Jail facilities are built.

Public Works, in partnership with the Department of

Corrections, is currently in the process of delivering the following projects which will contribute greatly to this effort of maintaining existing Jail facilities. Estimated costs are shown for each.

- Jail HVAC Fire Damper Retrofit/Replacement \$1,141,600
- Jail Security System/Smoke Detector Replacement \$1,905,000
- Jail Supply and Exhaust Modifications \$490,000

- Hall of Justice Basement Upgrades \$4,545,000
- Hall of Justice Generator Fuel Line Modifications \$111,000

Construction on the Damper project is scheduled to be completed by the end of 2014, and design of all the remaining projects will be completed by the end of this summer. Construction of these remaining projects will commence this Fall, and will continue for the next couple of years.

Transfer Station gets a new floor

Public Works staff assisted the Napa-Vallejo Waste Management Authority’s installation of a new floor at the Devlin Road Transfer Station, which was recently completed.

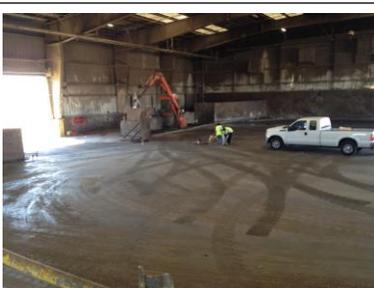
The floor of the station was experiencing significant failures due to the extremely

heavy loads associated with solid waste hauling vehicles.

Construction staff inspected the work, which consisted of removing and replacing the concrete slab, or patching where possible. An additional layer, known as “Anvil Top,” was added for extra protection. The work

was performed in two phases to minimize disruption to the station’s operations.

The project was funded by the Napa-Vallejo Waste Management Authority.



Finished Transfer Station Floor



Storms of 2005-06 are nearly over (finally!)

The catastrophic storms of New Year's Eve 2005-06 wreaked havoc on roads throughout Napa County. Public Works has been working on repairing the damage ever since.

Approximately 200 sites experienced damage severe enough to submit claims for damages to the State and Federal governments. Each of these was subjected to thorough scrutiny by a myriad of State and Federal agencies, both those that fund the repair of storm-damaged infrastructure and those that regulate

construction activities in such water-related locations. (And these agencies' requirements do not always align with each other!) Gradually, the projects have been knocked off the list until 2014, when we have finally begun work on the very last one.

In the 3100 block of White Sulphur Springs Road, a retaining wall which supported the road along its south side failed during the 2005-06 storm event. The project involves the removal of the existing failed wall and construction of a replacement, along

approximately 270 linear feet of creek bank.

The project is covered by permits from the Army Corps of Engineers, Regional Water Quality Control Board, and California Department of Fish and Wildlife.

Funding for the project comes from the Federal Emergency Management Agency and Napa County Roads Funds.



White Sulphur Springs Road
*Removal of failed wall in progress (above);
Temporary diversion of creek in culvert on left*



View of creek before repair (below)

Finishing another segment of Devlin Road

The next segment of the Devlin Road Extension, known as "Segment D," is nearing completion!

In 1999, a project known as Napa Airport Centre, Unit 2, created a subdivision of light industrial lots from the property through which the Devlin Road Extension passes.

Segment D was constructed to partial width at that time, as a requirement for the approval of this project. It forms the second block south of Airport Boulevard.

The developer, Barrel Ten Quarter Circle, was responsible for completing

the construction but a lack of construction activity in the area delayed the need for it. Their obligation was secured by entering an Improvement Agreement and posting a bond for the value of the work. The County has approved their requests for time extension until this past Spring.

With the completion of next-door Segment C, it is no longer appropriate to delay the completion of Segment D. As a result, Barrel Ten Quarter Circle hired a contractor and work is well under way. It is expected to be completed by October.

Completion of the Devlin Road Extension has been identified as a priority for both the County and the City of American Canyon. The County is now finalizing design plans for Segment E, which will include a bridge over Fagan Creek and connect to Tower Road.

The County completed Segment C this past January, bringing the project in on time and \$600,000 under budget.



Devlin Road Segment D
Looking south



Officials celebrate at MST groundbreaking ceremony

Recycled water project breaks ground

Local water officials celebrated the start of a long-awaited recycled water project August 12, with a groundbreaking event held at the Napa Valley Country Club. This signals the beginning of the Milliken-Sarco-Tulocay (MST) pipeline project.

Napa, bringing much-needed water to properties in the area. The project is a joint effort of the Napa Sanitation District and the County of Napa. It is part of the larger North Bay Water Reuse Program (NBWRP), a regional water supply program that serves Napa, Sonoma and Marin counties.

(AFY) of highly-treated wastewater, water which would otherwise be discharged and not reused.

Phase 1 of the NBWRP is currently under construction with six recycled water distribution projects, which when complete will provide 3,757 AFY for irrigation in the North Bay region. Another 1,700 AFY will go to habitat restoration in the Napa-Sonoma Salt Marsh project.

The five-mile pipeline will deliver recycled water to the groundwater-deficient MST region east of the City of

The MST pipeline will have the capacity to deliver up to 2,000 acre-feet per year

Lake District water and sewer projects complete

The replacement of the water treatment and sewage disposal facilities at the Napa Berryessa Resort Improvement District (NBRID) is complete.

media sand filter for water. Both plants have also been updated with SCADA programming for operational efficiency and remote call-out in the event of alarms or emergencies.

In 2012, the District began the project with storage for 1.5 million gallons of treated wastewater, and water and sewer plants nearing the end of their useful lives. Following the project, there is now storage for 24 million gallons, and two new state-of-the-art treatment facilities: a membrane bioreactor for wastewater and a mixed

The project was completed on time and under budget. The District has met all of the regulatory requirements imposed by the Regional Water Quality Control Board. As a result, the sewer connection restriction, imposed in October 2006, has been rescinded!

Meanwhile, at the Lake Berryessa Resort Improvement District (LBRID), construction of Phase 1 of the wastewater storage and disposal expansion project began in June. Phase 1 includes the addition of almost 20 million gallons of storage capacity, and almost nine acres of irrigation disposal. When complete, LBRID will have 27.1 million gallons storage, and 15.5 acres of spray field for disposal.



LBRID Water Plant (above) Wastewater Plant (below)



Getting a handle on groundwater

In August, Public Works was designated as the official groundwater monitoring entity for Napa County, as part of a long-running statewide effort.

The California Statewide Groundwater Elevation Monitoring program, known as CASGEM, was created by legislation in 2009. The bill mandated that groundwater elevations in all basins be regularly and systematically monitored with the goal of demonstrating seasonal and long-term trends in groundwater elevations. This is important because groundwater accounts for about 30 percent of the state's total water supply, increasing to over 40 percent in dry years. Napa Valley agriculture depends almost entirely on groundwater for its water supply.

Each local agency notifies the State Department of Water

Resources (DWR) that it wishes to be the designated monitoring entity for all or part of a groundwater basin. Napa County submitted its notification in 2010 and has been working with DWR since that time to finalize the requirements for this designation.

Stewardship of precious groundwater resources is the "right thing to do," especially in times of drought. But the additional benefit of this recent designation is that it makes the County eligible for water resource grants from various State sources, such as emergency drought funding. The latter is offering the County millions to remove non-functional dams, improve flood management and stream habitat, implement water conservation programs and deliver recycled water.

This issue:



SPOTLIGHT ON CLEAN ENERGY PROGRAMS

The PACE to be a HERO

Property Assessed Clean Energy (PACE) financing allows property owners to fund energy efficiency, water efficiency and renewable energy projects with little or no up-front costs.

Using PACE financing, residential and commercial property owners living within a participating district can finance up to 100% of their project and pay it back over time as a voluntary property tax assessment through their existing property tax bill.

PACE financing is available to eligible homeowners for energy efficient upgrades and improvements such as solar, HVAC, windows, roofing, water-saving products and more.

PACE offers a low-interest, long-term, tax-deductible

financing option that is repaid through property taxes.

The Board of Supervisors approved resolutions to join the HERO and CaliforniaFIRST PACE Programs. Both programs are available to commercial and residential property owners, providing choice to property owners who will be able to access either program. These programs are now available to residents and businesses in the Napa County area.

All five Napa municipalities have indicated an interest in joining PACE programs, though the County's action is independent of theirs.

Benefits of PACE programs include:

- PACE programs help

property owners save water and energy, while simultaneously reducing utility bills and waste.

- PACE will help create local jobs by stimulating demand for contractors. California cities that participate in this program have seen hundreds of jobs created in a short period of time.
- With summer upon us and the drought bearing down, now is the time for homeowners to take advantage of this program.

For more information, please visit:

www.heroprogram.com/

www.commercial.californiafirst.org/overview



Clean Energy is now a Choice

On July 15, the Board of Supervisors completed the process of having Napa County become a member of Marin Clean Energy (MCE).

MCE is a fully operating Community Choice Aggregation (CCA) program. A CCA acts as an alternative energy provider to PG&E, providing consumers with an option to purchase energy that is 50%-100% generated from renewable energy sources such as solar, wind, water, and biopower.

The role of the CCA is to choose where to purchase power from, and to create a mix of power sources that meets the goals of the program, providing clean

energy while ensuring customers a stable and competitive price.

Other aspects of PG&E services (such as power transmission, billing, etc.) continue for all customers. Consumers who are not interested in dealing with the CCA may opt out and continue to use PG&E as before with no changes whatsoever.

In addition to providing a highly renewable power mix, MCE also offers energy efficiency programs that could work in parallel with programs offered locally to provide additional financing and rebate options to consumers wishing to undertake energy

efficiency projects. One particularly attractive program offers on-bill financing.

MCE also works to encourage development of new, local, power sources, as they have done with a large solar project located at the San Rafael airport.

MCE would likely benefit programs in Napa such as a proposed bioenergy plant at the Clover Flat Landfill and a proposed solar array at the former American Canyon Landfill.

For property owners with installed solar systems that are large enough to produce more power than is needed on the site, MCE also offers

net energy metering and "feed-in tariff" programs to allow the property owner to be paid for the excess power generated, at rates that exceed what PG&E currently pays.



Napa County Public Works



A Tradition of Stewardship
A Commitment to Service

1195 Third Street
Suite 101
Napa, CA 94559

PHONE:
(707) 253-4351

FAX:
(707) 253-4627

E-MAIL:

PublicWorks@countyofnapa.org

We're on the Web!

See us at:

[http://www.countyofnapa.org/
PublicWorks/](http://www.countyofnapa.org/PublicWorks/)

Animal Shelter Posts Record-Breaking Month

The Napa County Animal Shelter had an all-time monthly record of 99 adoptions for the month of July this year – 20 more animals than the same month in 2013!



Also, 106 animals went to foster homes between May and July this year!

Staff and volunteers have been working very hard to increase community



awareness of our Adoption and Foster Programs and it shows!

If you haven't done so already, please join in our outreach efforts by "liking" us on Facebook.



New Airport Tenant Announced

At last, the Airport has a new tenant at the facility previously occupied by JAL!

In June, the Board of Supervisors approved an agreement with International Airline Training Academy (IATA). IATA will use the leased area as a commercial

pilot training facility for several airlines. The area includes 16+ acres of land and four buildings.

IATA has agreed to make at least \$500,000 in tenant improvements over the first two years. Construction is already under way, in

preparation for student pilots who will be arriving soon from all around the world.



About Napa County Public Works...

The Department of Public Works is dedicated to sustaining health, safety, quality of life and protection of natural resources by providing and maintaining public

facilities and services in partnership with the community and other public agencies for current and future residents, workers, visitors and animals of Napa County.

Public Works values...

- Fiscal Responsibility
- Accountability
- Transparency
- Integrity
- Service
- Teamwork

Editor's Note:

With this issue, we mark the milestone of the beginning of our fourth year of publication! There has been a lot of good information to report during this time, even as we have been challenged by financial and resource limitations while working through various staff and organizational transitions.

I want to express my personal appreciation to the staff of the Public Works Department for all their contributions to this publication. They are always busy doing the real work which is being reported here, but still manage to make time to help "tell our story" by contributing to *P.W. Progress*. Thanks everybody!

-Rick Marshall, Editor
Deputy Director/Road Commissioner/County Surveyor

