



Ventura County Public Works Agency

THE WORKS

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Greetings!



Jeff Pratt, Public Works Agency Director

We are already mid-way through 2017 and our VCPWA team continues to impress me each and every day. The recent ribbon cutting for the new VCMC Hospital Replacement Wing project is just a reminder how our departments work together and with our community partners to achieve the highest quality outcomes possible. I was proud to stand in front of County officials, hospital staff and the community to talk about all of the challenges that were overcome to break ground and complete one of the most modern medical centers in the world. Read on to be amazed by the pounds of concrete, miles of piping and amount of sheer engineering know-how required to guide and complete this much needed facility for our community.

Integrated Waste Management Division of VCPWA's Water and Sanitation Department is also leading the way to initiate two major recycling efforts. IWMD's David Goldstein joins us for a Q&A on the team's collaborative work to boost local plastics recycling and introducing whole carpet recycling.

The innovation does not stop there! Our Hydrology team's flood warning system earned top accolades at the National Hydrologic Warning Council conference. It is this type of excellence that we can all be proud to say we are a part of Ventura County Public Works Agency.

All the Best,

A handwritten signature in black ink that reads "Jeff Pratt".

Jeff Pratt, Public Works Agency Director





A HIGH-QUALITY FACILITY TO MATCH THE SUPERIOR CARE PROVIDED AT VCMC

It takes a village to grow and build a dream. For the County of Ventura, that dream was to construct a hospital wing for the Ventura County Medical Center (VCMC) that would provide a state-of-the-art facility for leading health care professionals to offer pristine care to patients.

In 2009, VCPWA's Engineering Services Department (ESD) was tasked with managing the design and construction of the Hospital Replacement Wing (HRW) project to ensure the scope of work remained true to the County of Ventura's vision to build a 232,000-square-foot facility with a \$350 million budget. After eight years, the County's dream finally became a reality when VCMC formally debuted its new HRW to the public on June 9, 2017.

THE LARGEST PROJECT VCPWA HAS UNDERTAKEN

To celebrate the unveiling of VCMC's new North Tower, hundreds of people attended a ribbon-cutting event, including VCPWA Director Jeff Pratt, VCPWA's ESD, County of Ventura CEO Mike Powers, County of Ventura Supervisors, representatives from the Ventura County Health Care Agency, over 150 hospital staff and more. The new medical center provides community members access to advanced medical care with new facilities for general and intensive care, labor and delivery, imaging, surgery and pediatric intensive care, in addition to an emergency department.

VCPWA Director Jeff Pratt, who was invited to speak at the event, shared the challenges the large-scale project site presented once ESD began their work. "The soil was poor, the foundation was not good, the site was near a fault line, there were nearby homes and neighborhoods, and an already standing hospital and clinic," explained Pratt.

However, despite the many challenges, ESD persevered and overcame these obstacles to deliver one of the most modern medical centers in the world. The cutting-edge North Tower was constructed to be in compliance with state seismic standards for a potential earthquake and a certified Leadership in Energy and Environmental Design hospital.

Throughout the duration of the project, ESD oversaw multiple teams from contractors, Office of Statewide Health Planning and Development representatives, HCA management, construction inspectors, and direct-report staff. ESD directed the three major construction phases to finish the project within the allotted timeline along with chief contractor Clark Construction. The first phase included the demolition, excavation, site preparation and laying the foundation; followed by the second phase of construction of the building's structural frame; and finally the third phase, which finished the walls, installed equipment and completed the outer façade.

In addition, ESD also developed its own system to help track flow of documents and implemented a new program to track the Construction Administration activities.

“Innovative technologies of this nature are so important to not only a project of this magnitude, but also future projects to come,” said HRW Project Director Matt Ehret. “The cloud-based software we implemented during this project helped us oversee our project management efforts and supported our team in tracking the moving documents so that we could complete the project on schedule.”

Ventura’s first County Hospital was built in 1887 but was quickly outgrown with the influx of patients, leading the Board of Supervisors to approve the purchase of 19 acres in 1919 for the construction of a new hospital. The hospital was later re-built a second time as the T-shaped building, completed in 1953.

VCMC’s North Tower will officially be open to patients on August 20 2017, becoming a symbol of hope for years to come. For the County of Ventura, the collaborative work of several county departments to bring the hospital wing to life was the ultimate example of how we bridge foundations to enhance the lives and services for the community.

HOSPITAL REPLACEMENT BY THE NUMBERS

\$350 million hospital project

56 million pounds of concrete

232,000-square-feet

200,000 lineal feet of mechanical and plumbing pipe

14,000 cubic yards of structural concrete

720 plumbing fixtures

245 miles of wiring

40 miles of piping



Q&A WITH DAVID GOLDSTEIN

What happens when the **Integrated Waste Management Division** (IWMD) of VCPWA's Water and Sanitation Department collaborates with a public agency, a non-profit, and a private company? Together, they are able to initiate two major recycling efforts, boosting local plastics recycling and introducing whole carpet recycling. IWMD's David Goldstein joins us for a Q&A on the team's work in spearheading these efforts.

Congratulations on bringing these exciting new recycling advancements in Ventura County! Can you tell us about IWMD's role in the process?

The IWMD reduces waste, prevents pollution, and promotes the sustainable management of materials in partnership with the community. In 1992, the Integrated Waste Management Board (now called the California Department of Resources Recycling and Recovery, or CalRecycle), approved an application from the County and the local cities, making Ventura County a Recycling Market Development Zone and establishing IWMD as the administrator. Through this program, we were able to carry out these new recycling initiatives.

For those that are not familiar, what is the RMDZ and what does IWMD do as program administrators?

The RMDZ program provides low-interest loans and other incentives to eligible businesses located in designated areas throughout the state. RMDZs are for businesses making products from materials that might otherwise end up at the landfill.

The Ventura County RMDZ, one of 35 in the state, increases the market value of recycled material by helping businesses use discarded material to make products. As the administrator of Ventura County RMDZ, IWMD provides assistance with financing, permits, site selection, planning, promotion, and obtaining materials for manufacturing.

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QUESTION of the MONTH

How many observation stations in Ventura County does the Hydrology team monitor for its award-winning Flood Warning System?

A: VCPWA Watershed Protection District's Hydrology team's Flood Warning Systems is made up of **135 telemetered stations** that transmit data containing rainfall, stream flow and other meteorological data.

And the Award Goes to....

HYDROLOGY TEAM'S FLOOD WARNING SYSTEM EARNS ACCOLADE AT NATIONAL HYDROLOGIC WARNING COUNCIL CONFERENCE

VCPWA Watershed Protection District's Watershed Resources and Technology (WaterRAT) Section received an award for Operational Excellence at a recent National Hydrologic Warning Council (NHWC) conference. This honor is awarded to an organization that has developed and/or maintained an exceptional hydrologic warning system.

The exceptional hydrologic warning system that WaterRAT developed and maintains is the Flood Warning System. The state-of-the-art system consists of many radio and satellite telemetered field sensors which measures rainfall, stream flow, lake level and other meteorological data. All the data that is transmitted is then posted on www.vcwatershed.net/fws/, which also includes warnings and weather radar among other information during storms. The award was given during the NHWC's annual conference on June 8th.

The NHWC is a non-profit group which holds trainings and conferences in order to bring hydrology-related people together from across the nation and the world.

