

WORKFORCE INVESTMENT BOARD OF VENTURA COUNTY

CLEAN/GREEN COMMITTEE MEETING

Friday, May 22, 2015 8:00 a.m. - 9:30 a.m.

VCCF Nonprofit Center (Community Room) 4001 Mission Oaks Blvd., Camarillo, CA

AGENDA

8:00 a.m.	1.0 Call to Order and Agenda Review	Victor Dollar
8:01 a.m.	2.0 Public Comments Procedure: The public is welcome to comment. All comments not related to items on the agenda may be made at the beginning of the meeting only.	Victor Dollar
8:03 a.m.	3.0 Approval of Minutes: March 20, 2015	Victor Dollar
	4.0 Ventura County Regional Strategic Workforce Development Plan	
8:05 a.m.	Committee Spotlight Ventura County Water/Wastewater Industry Dave Sasek Director, County of Ventura Water and Sanitation Department	Patricia Duffy
8:30 a.m.	Deputy Sector Navigator Update	Margaret Lau
8:40 a.m.	Water/Wastewater Survey Contacts Workgroup	Dave Fleisch Nancy Williams
8:45 a.m.	 Water and Wastewater Occupations: Center of Excellence Environmental Scan, California Community Colleges 	Patricia Duffy Margaret Lau
8:55 a.m.	WIB Innovation Ecosystem Workgroup	Cheryl Moore
9:05 a.m.	Career Pathways Update	Tiffany Morse
9:15 a.m.	Clean/Green Committee Calendar 2015-2016	Patricia Duffy
9:20 a.m.	5.0 Committee Member Comments	Committee Members
9:30 a.m.	6.0 Adjournment	Victor Dollar
	Next Meeting TBD (8:00 a.m9:30 a.m.) VCCF Nonprofit Center, 4001 Mission Oaks Blvd., Camarillo, CA	

Individuals who require accommodations for their disabilities (including interpreters and alternate formats) are requested to contact the Workforce Investment Board of Ventura County staff at (805) 477-5306, at least five days prior to the meeting. TTY line: 1-800-735-2922.



WIB Clean/Green Committee Meeting March 20, 2015

MINUTES

Meeting Attendees

Committee
Nancy Williams (Vice Chair)*
Rebekah Evans
Dave Fleisch
Paul Grossgold
Eric Humel
Teresa Johnson*
Margaret Lau
Valeria Makarova
Tiffany Morse

WIB Staff
Patricia Duffy
Cheryl Moore

Guests
Douglas O'Brien (Energy Coalition)
Debi Kehoe (VC Innovates)
Jim Rose (Oxnard Union High School District)
Lisa Eklund (VC Innovates)

*WIB Members

1.0 Call to Order:

Kimberly Nilsson*

Nancy Williams called the meeting to order at 8:10 a.m. No changes were made to the agenda.

2.0 Public Comments

There were no public comments.

3.0 Approval of Minutes: January 16, 2015

Motion to approve: Kimberly Nilsson

Second: Dave Fleisch

Abstain: Margaret Lau, Nancy Williams

Motion carried

4.0 Ventura County Regional Strategic Workforce Development Plan

Committee Spotlight: The Energy Coalition

Douglas O'Brien, Program Manager at The Energy Coalition, presented on the Energy Network Program. This program offers energy services to local governments, businesses and residents. At no cost to public agencies, the program identifies energy savings measures as well as assisting public agency staff in designing energy efficient construction projects. Through technical assistance, management support and access to financing the program offers comprehensive energy solutions to lower energy costs. The program is funded by the California utility ratepayers under the California Public Utilities Commission.

The Energy Coalition's PEAK program was also discussed. PEAK offers energy education programs to elementary and middle school students. Currently the PEAK program does not exist in Ventura County; however, Committee members discussed options to hear more about the program and explore resources to bring the program to Ventura County. Mr. O'Brien will contact the Program Manager of PEAK to arrange for a presentation to the Committee.

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Ventura County Green Innovation Hub Workgroup Update

Valeria Makarova gave an update on the Green Innovation Hub Workgroup, which met to identify strategies to create a business environment that will attract more green industries to Ventura County. In addition, the group discussed creating a model to support green innovation by incorporating sustainability into entrepreneurial product development.

Deputy Sector Navigator Update

Margaret Lau discussed the Educating for Careers Conference that was attended by 1,700 education partners in Sacramento on March 1-3, 2015. The California Career Pathways Consortia and the California Partnership Academies sponsored the event. This is an annual three-day conference providing professional development for Career Technical Education, focusing on career and college readiness.

Water and Wastewater Occupations-C.O.E. Environmental Scan

Margaret Lau and Patricia Duffy informed the committee that their request to have a Center of Excellence (C.O.E.) scan of the water/wastewater occupations for the South Central Coast Region of Community Colleges, was accepted. Laura Coleman from the California Community Colleges C.O.E. will be coordinating the study. Margaret Lau's Deputy Sector Navigator (DSN) program will provide the financial support. The study will be similar to the Baywork 2009 scan.

The Committee reviewed the chart of recommended occupations to survey. Occupations were chosen based on the Baywork study and Advanced Technology Environmental and Energy Center (ATEEC) occupational studies. Members were asked if occupations needed to be added or deleted to more accurately reflect regional needs. Storm water management was suggested for inclusion as an additional occupation. Other entities in the region also will be asked to give input into the process before the survey occupations are finalized. The Committee then discussed how to identify water and wastewater industry contacts to ensure survey responses. A committee member volunteered to assist in coordinating this effort and a small temporary work group was organized to assist.

Career Pathways

- Tiffany Morse introduced the VC Innovates employer liaisons for clean/green-related occupations. The Committee was updated on the Entrée to Employment dinners and other upcoming events. The alignment for the career pathway of Hospitality and Culinary Arts between the high school and community college levels had been completed.
- Guest Jim Rose announced that the Alliance for Linked Learning (Oxnard Union High School District) will be collaborating with Marriott Courtyard to develop internships in Culinary Arts and Hospitality.

5.0 Committee Member Comments

Committee members shared information regarding programs that will be taking place in Ventura County that relate to the Clean/Green Committee and Career Pathways:

 Dave Fleisch announced National Public Works Week, taking place in May and the past success in having students attend other Public Works Week events. Ventura County Public

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Works is reaching out to schools to have students attend this year's event. Dave Fleisch offered the possibility of a hospital field trip to VCMC to view the new construction.

• Kimberly Nilsson, recommended a student field trip to solid waste and recycling facilities, which offer many career opportunities.

6.0 Adjournment

Nancy Williams adjourned the meeting at 9:40 a.m.

Next Meeting

Friday, May 22, 2015 (8:00 a.m. - 9:30 a.m.) VCCF Nonprofit Center (Community Room) 4001 Mission Oaks Blvd., Camarillo

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WATER AND WASTEWATER SERVICES

DAVID J. SASEK, DIRECTOR WATER & SANITATION DEPARTMENT PUBLIC WORKS AGENCY





WATER & SANITATION DEPARMENT VENTURA COUNTY WATERWORKS DISTRICTS' RESPONSIBILITIES

WATER AND/OR SEWER FACILITIES FOR:

Waterworks Districts 1, 16, 17, 19, Lake Sherwood Services District, County Service Areas 29, 30, 34, Camarillo Utilities Enterprise, Todd Road Jail and the Wastewater Treatment Plant

- ADMINISTRATION
- BILLING
- CUSTOMER SERVICE
- DESIGN
- CONSTRUCTION
- INSPECTION
- OPERATIONS AND MAINTENANCE



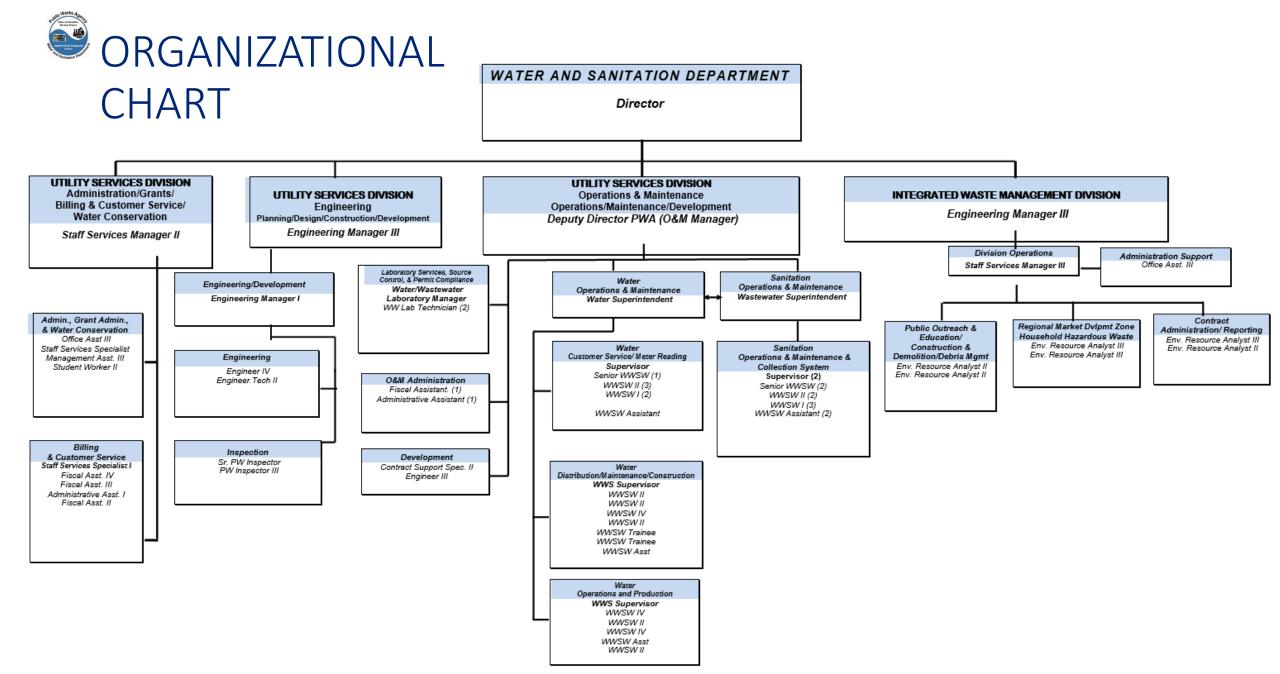
- Water
- Wastewater (sewer) service

- 5 water systems
- 7 sewer systems
- 3 wastewater treatment plants
- 1 reclamation facility



FACILITIES INFORMATION

WATER AND SANITATION SERVICES	VCWWD #1	VCWWD #16	VCWWD #17	VCWWD #19	CSA 29	CSA 30	CSA 34	LSCSD	CUE	TODD RD JAIL WTP	TOTALS
Population Served	37,576	2,250	2,169	3,275	803	890	4,322	1,933	1,240	850	55,308
Area Served (Acres)	19,867	300	4,900	14,420	858	177	850	1,938	765	157	44,232
Advisory Committee No. of Members)	5	N/A	5	5	N/A	N/A	N/A	5	9	N/A	-
WATER											
2012 Production (Wells and/or Imported) (AF)	11,320	14	1,200	2,808	-	-	-	1,297	-	-	16,630
Water Service Connections	10,575	9	711	1,061	-	-	-	726	-	-	13,082
Municipal & Industrial	503	0	7	39	-	-	-	41	-	-	590
Agricultural	170	1	0	138	-	-	-	0	-	-	309
Waterline (Miles)	138	2	16	46	-	-	-	18	-	-	220
Booster Pump Stations	10	-	0	8	-	-	-	2	-	-	20
Pressure Reducing Stations	20	-	9	18	-	-	-	2	-	-	49
Reservoirs	18	-	2	8	-	-	-	2	-	-	30
Wells	6	-	-	3	-	-	-	-	-	-	9
SEWER											
Capacity of Wastewater Treatment Plant (MGD)	5	0.500	-	-	-	-	-	-	-	0.085	
Sewer Service Connections	9,241	426	-	-	302	265	1,377	-	60	1	11,672
Sewer Line (Miles)	107	5	-	-	10	15	17	-	5	-	159
Lift Stations	4	2	-	-	4	1	1	-	2	2	16





WATER SERVICES AND SUPPLIERS IN VC

Ventura Fillmore
Oxnard Port Hueneme
Thousand Oaks Santa Paula
Camarillo

County Waterworks Districts
Camrosa Water District
Casitas Mutual Water District

PRIVATE
H20
COMPANIES

Golden State Water Company (Simi Valley)

Cal-American Water Company (Newbury Park)

Warring Water Company (Piru)

MUTUAL H2O COMPANIES

More than 20 Mutual Water Companies

PRIVATE WELLS

Primary source of water for farms



WASTEWATER SERVICES IN VC

SEWER AGENCIES

18 Sewer Collection Systems

12 Wastewater Treatment Plants

CITIES

Ventura

Fillmore

Oxnard

Port Hueneme

Thousand Oaks

Santa Paula

Camarillo

SPECIAL DISTRICT

Ojai Valley Sanitation District
Triunfo Sanitation District
Saticoy Sanitation District
Camrosa Sanitation District
Camarillo Sanitation District
County-managed Sewer Districts (7)

LOS ANGELES
REGIONAL
WATER
QUALITY
CONTROL
BOARD

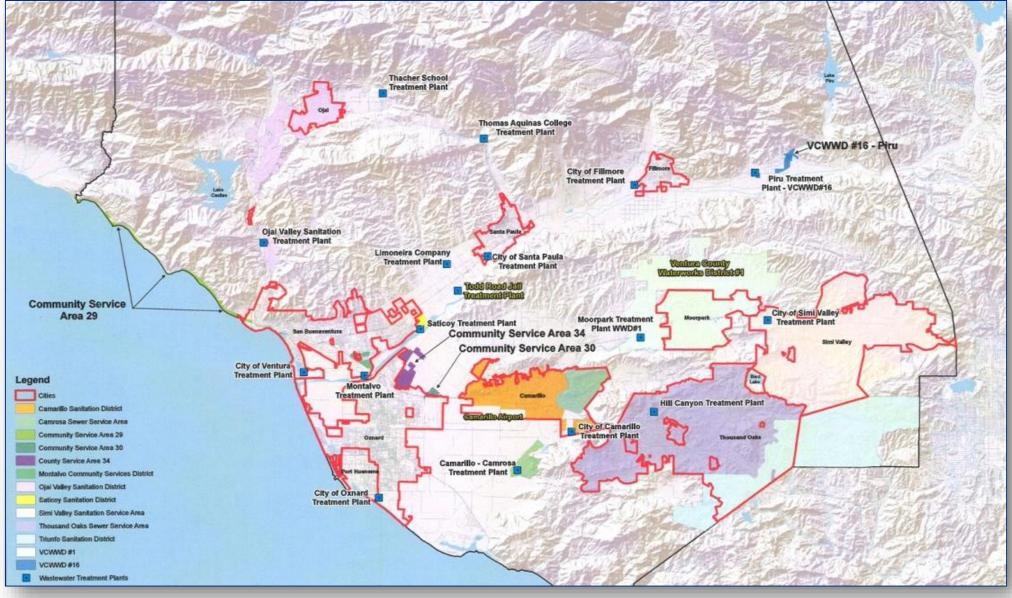
Sampling, testing, and monitoring

required for compliance

PRIVATE WELLS

Primary source of water for farms



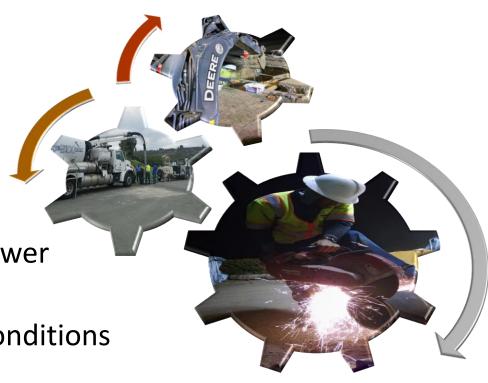


SANITATION DISTRICTS IN VC



CHALLENGES

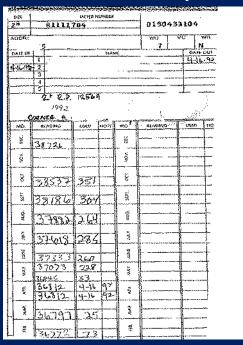
- Reduced water supply
- Rising imported water costs
- Aging infrastructure
- Increasing Southern California Edison (SCE power costs for pumping
- Changes in water and sewer system permit conditions
 regulatory
- TMDL compliance
- Decrease in grant funding available



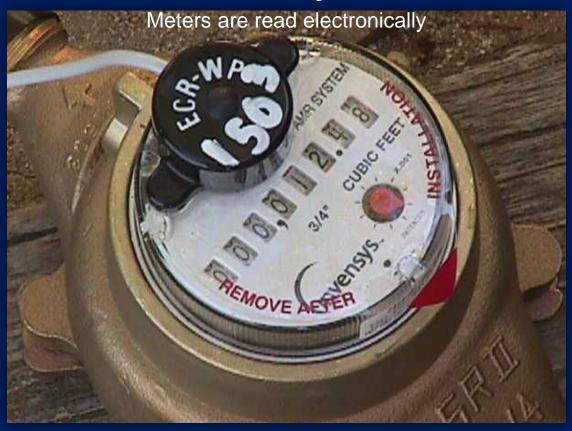
WATER AND SANITATION DEPARTMENT Through the years...

Meter Reading

1990's Meters were read by staff

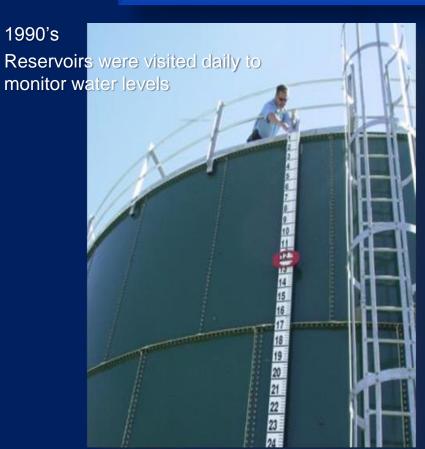


Today



WATER AND SANITATION DEPARTMENT Through the years...

Monitoring the Water Distribution System



Today

Distribution system are monitored remotely through SCADA (Supervisory Control and Data Acquisition)



WATER AND SANITATION DEPARTMENT

Through the years...

Water Sources

2000

Water supply for Ventura County Waterworks Districts comes from either local groundwater

> or is imported through the California State Water Project



California State Water Project

Today

New sources of water include groundwater wells with wellhead treatment and recycled water

WWD No. 1 Well No. 20 with wellhead treatment





Recycled Water Reservoir WWD No. 1

The Near Future

Brackish Groundwater Treated Projects as Proposed



Drilling for local groundwater

WATER AND SANITATION DEPARTMENT

1950

Electrical energy is received through the grid



Energy Sources

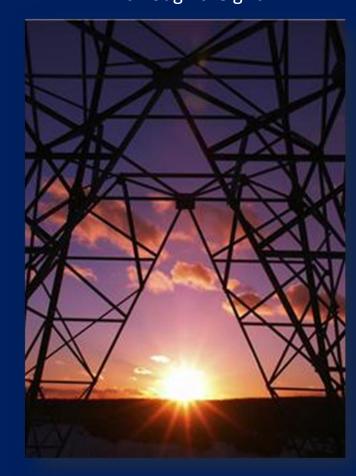
Today

A 995 KW photovoltaic system is installed at the Moorpark Wastewater Treatment Plant (MWTP) which will decrease current Southern California Edison (SCE) costs by **80%** at the MWTP











WATER OPERATOR CERTIFICATION

"Drinking water treatment and distribution operators assume the honor, responsibility, and duty of safeguarding public health. Their knowledge, skill, and experience are the elements that make them valuable employees and effective guardians of public health. In addition, operators should be able to demonstrate the ability to maintain system integrity, process control, and customer confidence." American Waterworks Association Career Center

What are the types of water certifications?
Water Distribution Operator
Water Treatment Operator

What is the difference between the water treatment certification and the water distribution certification?

Water Treatment Operators work with the quality of the water; Water Distribution Operators work with the system which distributes the water.

How do you obtain certification?

- Meet the minimum experience and education requirements at each of the five grade levels
- Pass a written test

How many levels of certification are there?

 Entry Level I to Management Level Grade V (T1 through T5) (D1 through D5)

What are the minimum qualifications for a Grade T1 Water Treatment or Grade D1 Examination / Certification?

- A high school diploma or GED
- Successful completion of the T1 or D1 exam



WATER OPERATOR CERTIFICATION

General Information

Office of Operator Certification State Water Resources Control Board PO Box 44212 Sacramento, CA 94244-2120 (916) 449-5654 **Operator Certification Program Contacts**

Water Distribution - Exam and Certification Requirements

Karen Hinrichs (916) 449-5628

<u>Karen.Hinrichs@waterboards.ca.gov</u>

Water Treatment - Exam & Certification Requirements
Bonnie Sutherland (916) 449-5629
Bonnie.Sutherland@waterboards.ca.gov

Specialized Training

Ventura College (Ventura) (805) 654-6339

www.ventura.cc.ca.us

College of the Canyons (Santa Clarita) (805) 965-0581

<u>www.sbcc.cc.ca.us</u>

Recommended Study Materials and Resources

Water Distribution Operator Training Handbook; 1999
American Water Works Association (AWWA)
The Water College Bookstore, 10574 Acacia St., Suite D6
Rancho Cucamonga, CA91730 (909) 481-7200
Water Distribution System Operation and Maintenance
CSU Sacramento, (Office of Water Programs, Ken Kerri, Director)
CSUS 600 J St., Sacramento, CA 95819 (916) 278-6142
Basic Science Concepts and Applications
(Principles and Practices of Water Supply Operations, 1996,
AWWA)



WASTEWATER OPERATOR CERTIFICATION

"To ensure that wastewater treatment plants in California are properly operated and maintained, the Legislature established the Wastewater Treatment Plant Operator Certification Program. The law requires that every person employed in the operation of a public wastewater plant to have a valid operator certificate."

What is an operator?
A wastewater treatment operator means a person who has "direct responsibility" for the operation of, or operates, a wastewater treatment facility.

What are the minimum qualifications to test for certification?

Any person may take a test by submitting an application with the appropriate fees and verification of educational and experience requirements.

How many levels of certification are there?
There are 5 levels of certification (Grades 1 - 5)
You can work as an OIT (Operator-in-Training)
while working at a wastewater facility and
studying to obtain Wastewater Operator
Certification

To receive certification, a person must meet:

- Minimum experience (1 year for Grade 1)
- Education requirements (6 educational points for Grade 1)
- Pass the written test
- Test results are valid for 4 years



General Information

The Office of Operator Certification State Water Resources Control Board PO Box 944212 Sacramento, CA 94244-2120 (916) 449-5654

OpcertProgram@waterboards.ca.gov

http://www.scrcb.ca.gov/water_issues/programs/operator_certification/



WATER AND WASTEWASTER LABORATORY ANALYST

Certification can be obtained through the California Water Environment Association (CWEA) is a nonprofit association in the water and wastewater industry, committed to keeping California's water clean.

Contact Information CWEA

7677 Oakport St., Suite 600 Oakland, CA 94621 (510) 382-7800 (510) 382-7810 fax

4 Grade Levels of Certification

Entry level (Grade 1) to management level (Grade 4) Grade 1

- Entry-level test
- · No pre-qualifications, anyone can test
- Designed for person with 1 year experience, without experience

REFERENCE AND STUDY MATERIALS

Chemistry for Operators of Water Pollution Control Plants California Water Environment Assn. 7677 Oakport St.

525 Oakland, CA 94621 (510) 382-7800

Simplified Laboratory Procedures for Wastewater Examination ISBN 0943244625 Order No: OMO0018 Water Environment Federation 601 Wythe St. Alexandria, VA 22314-1994 (800) 666-0206

Basic Laboratory Procedures for Wastewater Examination ISBN: 1-57278-200-5 Order No: P02404 Water Environment Fedn. 601 Wythe St. Alexandria, VA 22314-1994 (800) 666-0206 www.wef.org



*WWSW = Water/Wastewater Service Worker

CLASS TITLE	CLASS NO.	QUALIFICATIONS	QUALIFYING EXPERIENCE	ANNUAL SALARY RANGE
WATER/WASTEWATER LABORATORY TECHNICIAN		 Associate Degree chemistry, biology, related environmental sciences or; 24 units college chemistry, biology, related environmental coursework or 1 year laboratory experience at a water/wastewater facility and Grade 1 Laboratory Analyst Certification w/in 1 year of completing probation Valid Class C driver license 	1 year	\$42,924.00 - \$60,093.72
WATER/WASTEWATER LABORATORY MANAGER		 4 years experience in water/wastewater laboratory testing 1 year experience in Pretreatment and Source Control Programs Valid Class C driver license Grade 3 Laboratory Analyst Certification 	4 years	\$71,267.80 – \$99,784.71
WATER/WASTEWATER SERVICE WORKER ASSISTANT	ENTRY LEVEL	 Grade D1 certificate for wastewater Valid Class C driver license	6 months	\$35,481.60 - \$46,126.20
WASTEWATER OPERATOR		 1 year experience WWSW III with County of Ventura 24 units college water/wastewater coursework 5 years experience in reclaimed water/wastewater field Unrestricted Class C driver license, Class A or B may be required 		\$55,098.27 - \$73, 836.56
WATER/WASTEWATER SERVICE WORKER	I	 12 units college water/wastewater coursework 6 months related experience in water/wastewater field Unrestricted Class C driver license 	6 months	\$41,258.64 - \$53,636.16
WATER/WASTEWATER SERVICE WORKER	II	 2 years experience as WWSW I with County of Ventura 15 units college water/wastewater coursework 2 years experience in water/wastewater field Unrestricted Class C driver license, Class A or B may be required 	2 years	\$47,452.56 - \$61,688.28
WATER /WASTEWATER SERVICE SUPERVISOR		 Unrestricted Class C driver license, Class A or B may be required Grade D4 certificate as Water Distributor Grade T2 certificate as Water Treatment Operator Grade 3 certificate required as Waste Water Treatment Operator 	5 years	\$65,800.92 - \$88,831.20
SENIOR WATER/WASTWATER SERVICE WORKER		 2 year experience WWSW II 24 units college water/wastewater coursework 5 years experience in waste/wastewater field Grade D3 certificate as Wastewater Treatment Operator Grade T2 certificate as Water Treatment Operator Unrestricted Class C driver license, Class A or B may be required 	5 years	\$54,834.00 - \$74,025.96



EMPLOYMENT OPPORTUNITIES



- Go to <u>www.ventura.org/hr</u>
- Water and Sanitation Department recruits for Water and Wastewater Service Worker Assistant positions every year
- Written tests and recruitment examination
- To visit the County Public Works Agency website, go to <u>www.countyofventura.org</u>. Select "Department Names", then "Public Works Agency".
- For further information regarding recruitment, contact Kathryn Pierce at:

Kathryn Pierce, Central Services Department, #L1600 Hall of Administration, 800 South Victoria Ave. Ventura, CA 93009-1600 Kathryn.Pierce@ventura.org

WATER & SANITATION DEPARMENT

Water and Wastewater Treatment Plant Tours

TO TOUR WATER AND WASTEWATER TREATMENT FACILITIES CONTACT:

Augustine Godinez, Superintendent

(805) 378-3050

August.Godinez@ventura.org

CALIFORNIA'S #1 WORKFORCE DEVELOPMENT TOOL

ETP is the state's most valuable economic development resource.

Many companies have located or expanded in California with the assistance of ETP's job training funds.

Our program supports the California economy by funding training for frontline, incumbent workers in companies challenged by out-of-state competition.

Independent research supports the value of ETP-funded training, citing a \$5 return on investment for every \$1 in ETP training funds, as measured in benefits to companies, workers and California's economy.

ETP has a streamlined application process, and our staff will help you every step of the way.



"...the ETP funded training program helped us commit to doing much-needed training. The company is now benefitting from the skills and knowledge employees have gained from it.."

-Ms. Andrade, Human Resources
Klassen Corporation

North Hollywood Regional Office Yvonne Jonason (818) 755-1313

Sacramento Regional Office (916) 327-5239

San Diego Regional Office (619) 686-1920

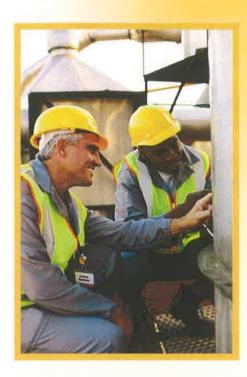
San Francisco Regional Office

Employment Training Panel 1100 J Street, 4th Floor Sacramento, CA 95814

Economic Development & Marketing (916) 327-5258







Supporting California Businesses with Workforce Training Funding

www.etp.ca.gov

CALIFORNIA'S PREMIER ECONOMIC DEVELOPMENT RESOURCE

The Employment Training Panel (ETP) is a business and labor-supported state agency that assists employers in strengthening their competitive edge by providing funds to off-set the costs of job skills training.

ETP training funds are used to support customized job training delivered to full-time California employees.

Training may be delivered by internal and/or external training providers.

ETP uses a simple Fixed-Fee rate to reimburse employers for training.

Training Methods Include:

- **♦ Classroom Training**
- **♦ Productive Laboratory**
- **♦ Non-Productive Laboratory**
- **♦ Interactive Training/Webinar**
- ♦ Computer—Based Training



WHO CAN CONTRACT WITH ETP?

- **♦** Employers
- ◆ Groups of Employers, including
 Chambers of Commerce, Joint
 Apprenticeship Training Committees,
 Trade Associations or Economic
 Development Corporations
- ◆ Training Agencies including Community Colleges or Community College Districts; Universities or University foundations; Adult Schools; Regional Occupational Programs; and Private Training Agencies
- **♦ Workforce Investment Boards**;
- ♦ Workforce Investment Act Grant
 Recipients or Administrative Entities
 including One Stop Centers

WHO CAN BE TRAINED?

- 1. Unemployed workers trained and placed into full-time employment
- 2. Incumbent workers of companies threatened by out-of-state competition
- 3. Special Employment Training programs for Frontline workers in
 - a. High-wage, high-skill jobs
 - b. High unemployment areas
 - c. Individuals with multiple barriers to full-time employment
 - d. Owners of small businesses

ETP IS SMALL BUSINESS FRIENDLY!

ETP is an essential resource for small employers who otherwise may have no means to train their workers.

ETP funds entrepreneurial training for small business owners, equipping them with the tools necessary to successfully run their business in addition to providing employee job skills.

Small Business Program contracts are streamlined and expedited, have flexible training hours of instruction, enjoy increased reimbursement rates and allow small business owners to be trained along with their employees.



What Others Say About ETP...

"Ecologic is excited to partner with the Employment Training Panel in funding training for our newly expanded workforce. ETP support is critical in our continuous development of a highly-skilled workforce that's able to respond to market demand with ever improving efficiency and increased customer satisfaction."

- Julie Corbett, Founder & CEO of Ecologic