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# the Environmental monitor

Summer 2012

## 2012 AEP Awards Program

**Birds of a Feather Flock Together:  
The Jailbirds of Elmwood Prison**

**The Planning, Sustainability,  
Health Connection:  
A Glimpse at Emerging Trends**

**CSU Monterey Bay Watershed  
Institute Publications:  
A Gold Mine of Gray Literature?**

Yosemite, CA





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All addresses/phone numbers may be found on the inside front cover of the *Environmental Monitor*.

Cover photo credit: Dorina Blythe, April 2012.  
Taken while vacationing in Yosemite.

Submission deadline for the  
**FALL 2012 Issue**  
of the *Environmental Monitor* is  
**October 1, 2012**

(posted by October 15, 2012)  
dates subject to change without notice

## PRESIDENT'S MESSAGE

Greetings to you all! It is indeed a pleasure and honor to introduce you to the next issue of the *Environmental Monitor*. We have interesting feature articles as well as a recap from the recent 2012 AEP Conference in Sacramento. The AEP website ([www.califaep.org](http://www.califaep.org)) continues its improvement following the AEP Chapter Summit discussions and you will find more notices of events and other important information being posted for your reading pleasure. Our member use (and many "hits" from outside sources, including overseas viewers!) has increased. Truly a great service to you, our members. Check it out!

Our AEP Conference was a big success and thanks to all on the committee, under the capable leadership of Trevor Macenski and John Kinsey, the Conference achieved its financial and attendance goals set forth in the budget. We had two inspiring talks from our featured speakers. Julia Burrows from Greenwise Joint Venture in the City of Sacramento spoke to us about many strategies being implemented in the city to promote 'green' practices. Our featured speaker was John Laird, California Secretary for Natural Resources who spoke about the many challenges facing the state including the Bay Delta Accord (critical to water supplies in the state), renewable energy programs and other projects of significance to our state's resources. CEQA plays a vital role in them all and he is firm supporter of the law.

Inside this edition of the *Environmental Monitor* are two interesting articles that came from the conference proceedings. One deals with the California State University Monterey Bay Watershed Institute while the other deals with an interesting twist in habitat preservation. This article details the protection of a bird colony in a prison – showing not all things found in prisons are predictably bad! Very interesting.

Just before the Conference we had an AEP Board meeting and the Chapter Summit. The Summit is an important



opportunity for the AEP Chapters to discuss matters of interest and importance to the chapters and provide guidance to the state Board. At this year's Summit we had representatives from all the chapters present and had a great discussion on numerous topics. Our number one priority remains Membership – retaining existing members, recruiting new ones and finding ones that may have drifted away. The Membership Committee will be leading the "Drive", a very ambitious program. We have re-designed the membership form to include a summary of member benefits and defining new classes of membership (regular, new professionals, student, etc.) as well as a new promotional material package distributed to all chapters. The Committee has scheduled regular conference calls to coordinate their activities. The real key to their efforts is underscored by the commitment of each chapter's actions to reach out and keep their current members, recruit new members and draw others back into the fold. Each chapter member, and the chapter board, needs to focus attention on this important effort. The larger AEP becomes, the more services and programs we can offer to our members for their personal professional development and social/business networking. Corporate

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**AEP is looking for volunteers for the 2013 AEP Awards Jury.**  
**If you would like to serve on the jury please contact Dev Vrat, AICP,**  
**[dev.vrat@csun.edu](mailto:dev.vrat@csun.edu)**

By: Roger Turner and Dev Vrat, Awards Program Co-Chairs

# 2012 AEP Awards Program

The Association of Environmental Professionals (AEP) has been recognizing the best work of public agencies and environmental professionals for over 36 years. Award-winners have advanced the state-of-the-art in environmental analysis and presenting this analysis to the public and decision makers in an attractive, understandable and easily accessible format. Climate Change and preparation of Climate Action Plans to reduce greenhouse gas emissions have become State priorities. Year after year the best of the best environmental professionals and their documents, achievement's and service to the profession have contributed to the enhancement, maintenance, and protection of the quality of the natural and human environment.

AEP's award winners were recognized at the AEP Awards Program ceremony held on May 7, 2012, in Sacramento. AEP congratulates each winning recipient of the prestigious mountain trophies, award plaques and certificates.

AEP extends sincere thanks to the volunteer Awards Jury

and to URS for sponsoring this year's production of the Awards Presentation Video highlighting the recipients. It was another great program. You can learn more about these winning projects and programs on AEP's website at [www.califaep.org](http://www.califaep.org). You can also look in this and future editions of the *Environmental Monitor* for articles on these great documents. If you are curious contact the authors and discuss your thoughts.

**Also, now is the time to prepare a nomination for next year's program. The 2013 awards announcement is on the AEP website and in this issue of the *Environmental Monitor* with listed criteria for submittals. The 2013 Awards criteria and submission materials are to be submitted by August 15, 2012. Do not miss this opportunity to have your outstanding work and contributions to the profession recognized by your peers next year.**

The Association of Environmental Professionals congratulates the following winners of the 2012 Awards Program.

## Al Reynolds Memorial Lifetime Achievement Award

### Charles S. Bull

"Charly is a mentor. I am always amazed by the depth and diversity of his knowledge, from his recognized expertise in noise modeling and analysis, cultural resources, and air quality to his seemingly unlimited understanding of CEQA and NEPA regulations and implementation. Moreover, he has managed and successfully completed environmental documents for large, controversial projects. Charly freely shares his knowledge and has had a hand in educating many of the environmental professionals working today in the San Diego region. If you have a question, he knows the answer. Above all, Charly will drop everything he is working on to take a moment, or an afternoon, to teach." — Robert MacAller, President, RECON

"Charly has been an active member of AEP for over 25 years and served as an AEP State Boardmember. In this capacity he actively participated in several rounds of AEP Strategic Plans. He was an organizer of the first CEQA Basics Workshop for the San Diego Chapter of AEP as well as an organizer and co-presenter of the first CEQA Basics Workshop for the San Diego Chapter of AEP as well as an organizer and co-presenter with Margaret Sohagi for an Advanced CEQA Workshop. He was also the Director of the 2000 AEP Conference in San Diego where the conference focused on conflict resolution in the environmental process. The conference included presentations by CEQA judges from throughout California and involved a comparative mock trial versus mediation of a CEQA challenge. Charly has also served on the San Diego Chapter legislative review committee and participated as a member of the chapter awards jury." — Julie Wang, AEP San Diego Chapter President

"Most recently he is serving as a Co-Chair to the San Diego Chapter's newly formed Emeritus Committee. The Emeritus Committee's goal is to re-involve long-time AEP members who are approaching retirement and haven't been active in AEP recently. It will give the Chapter membership one more chance to learn from these individuals before they retire from the profession. The Emeritus Committee, under Charly's leadership, will be establishing mentor programs for our Student Chapters as well as for professionals at all levels." — Marilyn R.F. Pongsegi, San Diego AEP Chapter Director

Contact: Nicole Turner, RECON Environmental, 1927 5th Avenue, San Diego, CA 92101; 619-308-9333; [nturner@reconenvironmental.com](mailto:nturner@reconenvironmental.com)



Accepting this award: Charlie Bull

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## Environmental Analysis Documents

### OUTSTANDING AWARD

#### **San Diego County General Plan Update EIR**

Prepared for the County of San Diego

Prepared by Atkins; County of San Diego, Department of Planning & Land Use

The Awards Jury found the EIR to be well organized and user-friendly, with many supportive tables and high quality graphics to illustrate key resource areas. The impact summary tables at the beginning of each resource section are also a nice touch. The EIR team was able to develop a concise project description that allowed for a comprehensive programmatic evaluation of land use and transportation policies and a holistic consideration of impacts. Outstanding!

Contact: Devon Muto, Chief, Advanced Planning Department of Planning and Land Use, County of San Diego, 5201 Ruffin Road, Suite B, San Diego, CA 92123-1666. Office: 858.694.3016, [Devon.Muto@sdcounty.ca.gov](mailto:Devon.Muto@sdcounty.ca.gov)



Accepting this award: Dianne Sandman, Senior Project Manager, Mindy Fogg, Atkins

### OUTSTANDING AWARD

#### **Plan Santa Barbara General Plan Update Program EIR**

Prepared for the City of Santa Barbara

Prepared by AMEC Earth & Environmental

Fehr & Peers; Nelson/Nygaard; Applied Earthworks; Santa Barbara Community Development Department, Planning Division

The Awards Jury noted that this EIR employs a number of unique and innovative approaches. These include a unique level of analysis of the integrated effects of land use, TDM and alternative transportation on congestion, energy consumption, emissions and climate change. The EIR transforms broad planning policies into a detailed project description for the EIR analysis necessary to support adoption of the General Plan Update. The jury appreciated the approach and organization of the executive summary. In addition, the project website demonstrates great public involvement. It is clear a lot of thought was put into the organization and preparation of this Program EIR. Outstanding!

Contact: Ben Botkin, AMEC, 805.962-0992 [benjamin.botkin@amec.com](mailto:benjamin.botkin@amec.com)



Accepting this award: Ben Botkin, AMEC; Barbara Shelton, City of Santa Barbara, Community Development Department

### MERIT AWARD

#### **2050 Regional Transportation Plan / Sustainable Communities Strategy EIR**

Prepared for San Diego Association of Governments (SANDAG)

Prepared by AECOM and SANDAG

This EIR uses a unique methodology - breaking the environmental analysis down by time period to help disclose the impacts of the 2050 RTP/SCS in meeting targets for GHG emission reductions under SB 375. The EIR team at SANDAG and AECOM worked diligently through extensive use of a geographic information system (GIS), data input, mapping, and modeling to determine the environmental impacts associated with the proposed project. Collection, review, and distillation of statewide, regional, and local jurisdiction plans, regulations, and EIRs fed into the analysis for each issue area. This is a well thought out document and is practical to use. Excellent!

Contact: Yara Fisher, 619.233.1454, [yara.fisher@aecom.com](mailto:yara.fisher@aecom.com)



Accepting this award: Jeff Henderson, AICP, Project Manager, AECOM

## Planning Document

### OUTSTANDING AWARD

#### **San Diego County General Plan Update**

Prepared for the County of San Diego

Prepared by the San Diego County Department of Planning and Land Use

San Diego County has successfully performed a challenging land use balancing act in this general plan update. The plan is well organized, clearly presented, and uses a common sense approach in its analysis. It's an impressive example of rethinking land use plans to minimize impacts and encourage more efficient use of lands. Kudos to San Diego County for reducing the need for roads in constrained areas. Outstanding!

Contact: Bob Citrano: 858.694.3016 or, Devon Muto, [Devon.Muto@sdcounty.ca.gov](mailto:Devon.Muto@sdcounty.ca.gov)



Accepting this award: Eric Gibson, Devon Muto, Chief of Advance Planning, County of San Diego

## Climate Change Documents

### OUTSTANDING AWARD

#### City of West Hollywood Climate Action Plan

Prepared for the City of West Hollywood and AECOM

The Awards Jury found the document to be user friendly, including excellent graphics and publicly accessible. The climate action plan presents measurable outcomes for two target years: 2020 and 2035. The organization of information is intuitive throughout the document and the one page pullouts for each measure make the document easy to read. The comprehensive matrix at the end is an excellent reference for implementation of the plan and for individuals interested in reading about how decisions were made regarding each measure. Adjustments to the plan are called for on 5-yr cycle. An Outstanding Climate Action Plan!

Contact: Jeff Henderson, 916.483.7999, [jeff.henderson@aecom.com](mailto:jeff.henderson@aecom.com)



Accepting this award: Jeff Henderson, AICP, Project Manager, AECOM

### MERIT AWARD

#### Union City Climate Action Plan

Prepared for Union City

Prepared by Climate Protection Task Force; City Council and Planning Commission of Union City; AECOM Technical Services, Inc.

The Awards Jury found the tool kit included in this climate action plan may be used as a decision support tool for Greenhouse Gas emission reduction measures thereby providing a common sense approach to choosing various reduction measures in an interactive setting. The CAP includes supporting measures even when they are not quantifiable, which ultimately improves the ability to implement the plan. The jury also noted that there was transparency in the technical appendix documents. The toolkit enables real-time results which increases buy-in by staff and stakeholders. Everyone can see immediately what the results will be using various scenarios. The reduction keys are a good way to provide at-a-glance monitoring of impacts. An excellent document!

Contact: Claire Bonham, AECOM, 415.955.2800, [clair.bonham-carter@aecom.com](mailto:clair.bonham-carter@aecom.com)



Accepting this award: Culley Thomas, Union City

### MERIT AWARD

#### City of Escondido Draft Climate Action Plan

Prepared for the City of Escondido

Prepared by ATKINS and the City of Escondido

The Awards Jury noted that this climate action plan presents information simply and clearly so the layperson can understand the implications of specific measures and programs - the one page pullouts are key. The jury agreed it's encouraging that partnerships were highlighted in a CAP as a priority for implementation - this will help reduce the impacts to both staff resources and the City's budget. It was also great to see the linkage to regional planning via the RTP/SCS. Periodic updates are called for with three initial definite years identified. The plan also includes definable metrics with screening table minimum values. An excellent document!

Contact: Joanne Dramko, 858.514.1023, [joanne.dramko@atkinsglobal.com](mailto:joanne.dramko@atkinsglobal.com)



Accepting this award: Joanne Dramko and Michael Hendrix, Program Managers, Atkins

### MERIT AWARD

#### San Luis Obispo County Energy Wise Plan

Prepared for the County of San Luis Obispo

Prepared by PMC and the San Luis Obispo County Department of Planning & Building

The Energy Wise Plan was developed in coordination with a number of other planning efforts occurring throughout the County so that it can serve as a central clearing house for energy and climate policy. Of particular note, the plan includes a three tiered approach to performance monitoring and includes an innovative approach of providing yearly progress assessments. Well done!

Contact: Tammy Seale, PMC, 805.250.7974, [tseale@pmcworld.com](mailto:tseale@pmcworld.com)



Accepting this award: Jason H. Giffen, Director, County of San Luis Obispo, Leanne Singleton, Tammy Seale, PMC

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## Environmental Resource Documents

### OUTSTANDING AWARD

#### **Robert Louis Stevenson State Park and Wildlake-Duff Ranches**

*Prepared for the Land Trust of Napa County*

*Prepared by AECOM Technical Services, Inc.*

The Awards Jury observed that the management plan uses a comprehensive approach with supporting mapping making it easy to evaluate the various management scenarios. The concept of this document can be replicated at other parks or in other situations involving multiple ownerships. The technical information presented in a graphic format enables a lay person to understand project opportunities and constraints at-a-glance. An outstanding document!

Contact: Sarah Heard, AECOM, 415.955.2800, [sarah.heard@aecom.com](mailto:sarah.heard@aecom.com)



Accepting this award: Sarah Heard, AECOM, 415.955.2800, [sarah.heard@aecom.com](mailto:sarah.heard@aecom.com)

### MERIT AWARD

#### **Adapting to Rising Tides -**

#### **Transportation Vulnerability and Risk Assessment Project**

*Prepared for Conservation and Development Commission; Metropolitan Transportation Commission; California Department of Transportation, District 4; AECOM Technical Services, Inc.*

The Awards Jury commented that this project is an excellent example of how to use creative partnerships to provide regional value and statewide applicability. The risk profiles with zoom-in maps are helpful to understand impacts and compare different facilities. An excellent document!

Contact: Sarah Heard, AECOM, 415.955.2800, [sarah.heard@aecom.com](mailto:sarah.heard@aecom.com)



Accepting this award: Sarah Heard, AECOM, 415.955.2800, [sarah.heard@aecom.com](mailto:sarah.heard@aecom.com)

## Public Involvement/Education Programs

### OUTSTANDING AWARD

#### **New Irvington Tunnel Project Groundwater Management Program**

*Prepared for the Public Utilities Commission*

*Prepared by Public Utilities Commission – New Irvington Tunnel Project Team*

The Awards Jury noted that the program uses multiple platforms to reach the public. The project includes clear fact sheets which are visually appealing. A hotline was established and is displayed prominently in all the program materials. Congratulations to the San Francisco Public Utilities Commission for their 5 years of effort to recognize the value of the land owners as stake holders and to engage them as part of the long-term groundwater management solution. An outstanding outcome!

Contact: David Tsztoo, Project Manager, SFPUC, 925.233.4354, [dtsztoo@sfgwater.org](mailto:dtsztoo@sfgwater.org)



Accepting this award: David Tsztoo, P.E., SFPUC, Betsy Rhodes, SFPUC; Holly Their, The Their Group, Bruce Abellman, Kim Stern, SFPUC

### MERIT AWARD

#### **Effective Mitigation - Development through Implementation**

*Prepared for Sempra Energy*

*Prepared by Insignia Environmental; San Diego Gas & Electric Company; and Gas Company*

Sempra Energy Utilities and Insignia Environmental have crafted a training session that provides a primer on the A to Z's of mitigation measures. They detail the permitting process, discuss the semantics of mitigation measures and review tracking procedures. The Awards Jury found the regulatory triggers table to be very helpful. This program can be easily transferred to other public utility agencies and local municipalities. An excellent document.

Contact: Anne Marie McGraw, Insignia, 650.321.6787, [AMcGraw@insigniaenv.com](mailto:AMcGraw@insigniaenv.com)



Accepting this award: Name to come, Erin Keochekicon, Anne Marie McGraw, Insignia

## Public Involvement/Education Programs

### MERIT AWARD

#### *San Diego Gas and Electric Smart Meter Program*

*Prepared for San Diego Gas and Electric*

*Prepared by San Diego Gas and Electric Smart Meter Program – Customer Experience*

The SDG&E Smart Meter Program's detailed messaging plan may be used as a model for effective outreach. It's 90-60-30-day notification plan is transferable to other public education efforts. The informational door hangers were an innovative approach to reaching a segment of the public that might otherwise have been missed. Excellent work!

Contact: Risa Baron, Sempra Utilities, Office: 858.654.1857, [rbaron@semprautilities.com](mailto:rbaron@semprautilities.com)



Accepting this award: Carolyn Winn, VP Customer Service, San Diego Gas and Electric

## Humor Award

### *AECOM Unnatural Resources Practice Line - General Outreach and Educational Materials*

*Prepared for AECOM Unnatural Resources Practice Line members*

*Prepared by AECOM Unnatural Resources Practice Line*

The Awards Jury found this project to be creative and hilarious – especially to nerds. The tricksters at AECOM presented a real tongue-in-cheek treat for the reader. Halloween will never be the same and neither will the employee who portrayed the patient zombie. It takes the notion of “other duties as assigned” to a whole other realm. Thanks to the knowledgeable and respected AECOM technical staff for sharing your internal office humor and providing the Awards Jury an enjoyable respite from the serious environmental analysis and climate reduction plans!

Contact: John Hute, AECOM, 916.414.5876



Accepting this award: John Hute, AECOM

## Acknowledgements

One of the most important AEP volunteer groups is the AEP Awards Jury. These are AEP peer professionals chosen for their years of experience and expertise in the profession. AEP recognized the following individuals who gave graciously many days of their time to review and judge all the submittals and hours spent on AEP conference calls to reach consensus decisions using the AEP rating criteria. Thank you all.

### AEP 2012 AWARDS JURY

#### Dev Vrat, AICP, Jury Chair

Urban Studies and Planning Department,  
California State University Northridge

Jeffrey S. Rice, AICP  
URS

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Ascent Environmental, Inc.

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PGN

Crystahl Taylor  
Padre Associates, Inc.

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ESA

### AEP 2012 AWARDS VIDEO PRODUCTION

We thank Megan Giglini, Vivian Gaddie and Joan Valle of URS for the great video for the awards program. We thank URS for sponsoring the Awards Program. The video was enjoyed by all!

### AEP 2012 CONFERENCE COMMITTEE

Finally, we thank the Co-Chairs for this conference Trevor Macenski, Michael Brandman Associates and John Kinsey, Wanger Jones Helsley PC, for leadership and hard work and their little army of conference volunteers. Thank you all for a wonderful, successful conference!





## From the NAEP Liaison's Desk

Summer is here and it has warmed up. It is the time for vacations and exploring the outdoors. I hope you get out there and refresh your fun time hiking or just having a good time doing your favorite activity. The environmental field continues to take more importance in all aspects of our lives. We hear more news coverage of disasters and their environmental effects. Environmental professionals are sought out for professional advice in every aspect of our community issues. We have a stronger voice in developing environmental policy in California and in every state in this nation. So I ask, what role do you play and how can you stay sharp with your skills.

AEP and NAEP offer many opportunities including CEQA/NEPA Workshops, special training in air quality, transportation planning, greenhouse gas emission impacts, urban pollution in our nations water, and the list goes on. AEP is planning for the Fall Basic CEQA Workshop. Look to the AEP Website and to upcoming newsletters for the Fall Basic CEQA Workshops.

AEP is offering a Basic NEPA Workshop this summer. Dates are July 25th in Clovis, CA, July 30 in Oakland, CA, July 31 in San Diego, CA, and August 1 in Carson, CA. Go to the [califaep.org](http://califaep.org) website for more information. This is the first time AEP is offering a Basic NEPA Workshop training program.

NAEP is continuing to offer Webinars. I will be sending information to you as it is published. Take advantage of these 90 minute online training programs. They are valuable and great to stay current on the regulatory policy and court cases for your work. Look for more information in the near future. NAEP is working hard to increase real value opportunities to environmental professionals. Recent webinars on Fracking, Endangered Species, and Green Energy Development Impacts to Natural Resources were presented by NAEP.

NAEP posts bimonthly E-Newsletters. A recent edition included in some excellent articles on various environmental topics. The E-Newletters are posted on the AEP Website and e-mailed to AEP members when published. These are great resources to read current events in the environmental profession and stay current on the happening scene. Look for the most recent edition on our website.

NAEP will be conducting a Chapter Retreat July 21 and 22, 2012 in Kansas City. This is a time when the

Chapter representatives will go over the strategic goals and review the programs provided by NAEP. The Chapter Retreat will help set the new course for NAEP in providing its Chapter services and programs to its members. Note all AEP members are affiliated with NAEP and will benefit from programs, training and conferences NAEP produces. I will publish the results of the Chapter Retreat in a future edition of this report.

The 2013 NAEP/AEP Joint Conference is planned for April 1 to 5, 2013. The theme is "Walk the Talk". The conference committee is hard at work planning what will sure to be an informative and engaging event for environmental professionals. Our conference will be held in an outstanding, state-of-the-art conference facility at the JW Marriott Hotel, located in the vibrant LA Live complex in downtown Los Angeles.

The hotel and conference facility sport a front-row seat to some of Los Angeles' top attractions, include the Staples Center, the Nokia Theatre, Regal Cinemas, and a wide variety of shops and restaurants. In addition, despite the car-centered nature of greater Los Angeles, many world-class attractions can be reached via public transit which is easily accessible from the complex.

The conference program will feature dynamic regional and national keynote speakers, and an all-day pre-conference symposium on climate change adaptation. Conference sessions will cover topics including NEPA and CEQA, Climate Change, Water Supply and Delivery, Air Quality, Energy and Alternative Energy Development, Marine and Coastal Issues, Habitat Mitigation, Transportation, Land Use, and Cultural Resources. There will also be numerous other conference and social events that will take advantage of the conference location, including a number of mobile workshops and a 5K run through some of downtown Los Angeles' top attractions.

Look for more information in future editions of my column and on the AEP Website.

### *Please mark your calendar-*

*The presentation abstracts submittal deadline-  
August 15, 2012.*

*The sponsor / exhibitor submittal deadline-  
March 1, 2013.*

*The 2013 awards nomination submittal deadline-  
August 15, 2012.*

As always, I look forward to your comments and thoughts. I also invite you to write me at [rwturner@hotmail.com](mailto:rwturner@hotmail.com) or call (951) 707-5020 if you have a question about NAEP or need assistance in obtaining service from NAEP.

By: Bill Goggin, Senior Biologist, EMC Planning Group

# Birds of a Feather Flock Together: The Jailbirds of Elmwood Prison

**Y**ou can hear the sound as you approach the courtyard of the Elmwood Correctional Facility, although it's not exactly clear what's causing all the commotion. It starts as a low, background chattering and builds to a near cacophony close to the mess hall. Beyond these seemingly discordant sounds, everything in the scene appears to be in order: the prison's inmates going about their daily routine dressed in white- and black-striped jumpsuits, sweeping, lifting weights or casually talking in groups while the watchful guards keep a dutiful eye out for anything out of the ordinary. All in all it's just another ordinary day at the Elmwood Correctional Facility. But what is causing all this noise you may ask yourself? Finally, out of ideas, you glance heavenward and that's when it hits you (no, not that): there are birds in the trees above your head; many birds...and they are large birds. Are you puzzled? Don't be, because this is the story of the jailbirds of Elmwood Prison.

The Elmwood Correctional Facility is a low-security Santa Clara County prison located west of Interstate 880 and north of Great American Parkway, in Milpitas, California. In order to

solve an on-going maintenance problem that had become a health liability, the prison staff proposed to construct a paved path between security fences so that the facility's guards could better patrol this area (several of the guards had suffered turned ankles and knees because of the uneven and pot-holed ground surface). Because the project had a potential to impact sensitive biological resources, Santa Clara County staff contracted with EMC Planning Group to assist the County with complying with the California Environmental Quality Act (CEQA) and other state and federal environmental laws established to protect sensitive animals and their habitats, including what is the subject of this short article, an established egret and heron rookery.

During the performance of an earlier biological pre-construction survey performed by EMC Planning Group in July 2010, an active rookery (a colonial breeding bird site) was observed within the south-central portion of the prison facility's main courtyard. The rookery is located within a cluster of densely foliated trees, and contained approximately 50-60 nests from three species of birds: great egret (*Ardea alba*), snowy egret (*Egretta thula*), and black-crowned night heron (*Nycticorax*

*continued on page 11*



*nycticorax*). The ground surface beneath these trees showed evidence of long-term site use by rookery's birds, as was demonstrated by an accumulation of whitewash, feathers and egg shell fragments.

Especially unique in an urban area, the Elmwood rookery site is believed to be the only egret and heron rookery in the southern San Francisco Bay located within an entirely fenced, anthropogenic setting and may be the only one of its kind in northern California. Colonial breeding sites are especially important when located within urbanized environments, as development and land conversion often degrades or removes available rookery habitat, and as a result, opportunities for colonial nesting species in urban areas are limited. These sites are also significant because they often support a sizeable segment of the local population, and because their proximity to foraging areas can reduce travel distances, they may potentially reduce predator-prey (i.e., mortality) interactions.

Because construction was planned during the most sensitive period of the birds natural life history cycle, the project's construction activities had a potential to cause detrimental impacts (i.e., elevated levels of noise, dust and fumes), possibly affecting the birds nesting and juvenile rearing, which could have led to fines and negative press for the County. Therefore, in order to protect this important resource, in spring 2011, the County retained EMC Planning Group to monitor the rookery during the project's construction whenever heavy equipment operation would be occurring within 500 feet of the rookery.

It is important to note that none of bird species living at the Elmwood rookery (great egret, snowy egret and night heron) are specifically listed as threatened or endangered by the state or federal Endangered Species Acts; however, the California Department of Fish and Game (CDFG) considers colonial breeding sites to be sensitive resource areas that are afforded protection under CDFG Code during the breeding bird season, as they can be sensitive to human intrusion and disturbance. In addition to state regulations, the protection of egrets and herons are covered under the Federal Migratory Bird Treaty Act. Once nests have been constructed and eggs are present, the rookery site becomes a protected resource area and cannot be disturbed. Reproduction for the rookeries species generally occurs from

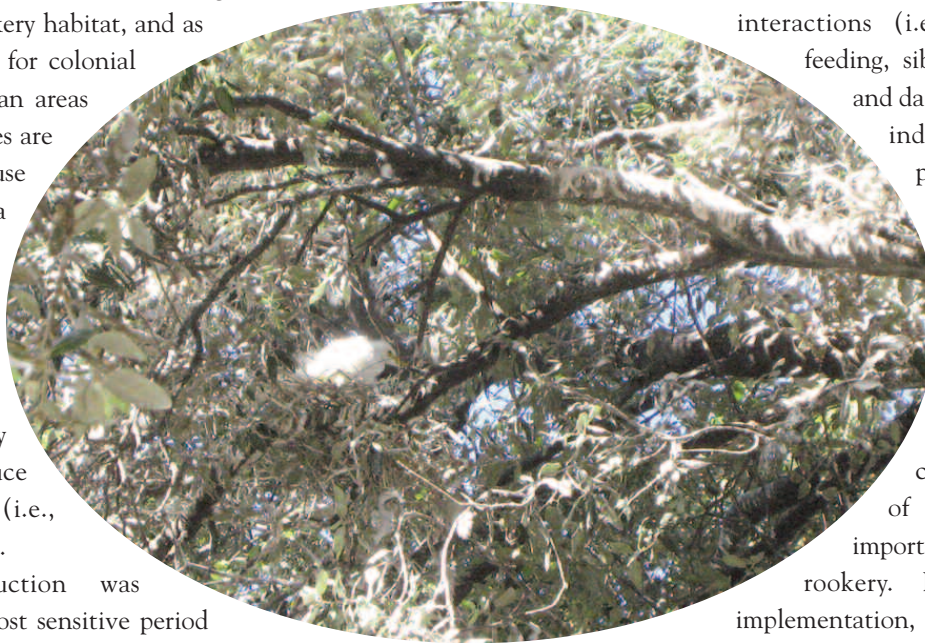
early April through July, with the juvenile rearing period extending into mid-September.

Behavioral monitoring of the egret and heron rookery consisted of a qualified EMC Planning Group biologist stationed inside the facility's perimeter fence, in a direct line of site approximately 275 feet from the rookery during construction activities or during operation of heavy equipment within 500 feet of the rookery. During construction, the monitoring biologist observed egret and heron behavior using hand held binoculars and a high magnification field spotting scope for signs of stress and/or agitation. Notes on behavioral interactions (i.e., preening/grooming, feeding, sibling competition, etc.) and daily counts on numbers of individuals and juveniles present were recorded.

Construction commenced on April 27 and an EMC Planning Group biologist conducted worker environmental awareness training concerning the presence of the rookery and the importance of protecting the rookery. During the project's implementation, no disturbance of the rookery was noted and the rookeries behavior was essentially unchanged by project activities. Approximately 38 adult and 23 juvenile egrets and herons were observed throughout the construction period.

By incorporating these pro-active impact minimization and special-status species protection measures into the project's implementation, the County, as the lead agency, demonstrated proper compliance with CDFG Code and CEQA law and this important and sensitive resource was safeguarded from inadvertent disturbance. This model of good stewardship demonstrates leadership on the part of the County and they should be commended for stepping up. All land managers can learn from this experience and should take note: it's always better to err on the side of caution.

*EMC Planning Group wishes to thank the County of Santa Clara, the project's manager, Ms. Alicia Flynn for her support on the project, the project's contractors, Granite and BCI, and the entire Elmwood prison facilities staff for their cooperation and support during the monitoring activities.*



By: Morty Prisament, MSMP, AICP, Strategenesis-GPC

# The Planning, Sustainability, Health Connection: A Glimpse at Emerging Trends

The past decade has seen resurgence in not only the economic vitality of American cities, but city planning. And, this has come about as a result of the sustainability movement. Sustainability is providing a framework for planners to move beyond the traditional confines of Euclidian zoning, adopting a more holistic and integrated approach to building communities at the human scale. Sustainability initiatives have attracted broad support because of the benefits conveyed on a number of levels: from reduction in greenhouse gases to economic development and quality-of-life. However, one of the most profound findings is the connection between “community planning” and health. In fact, recent findings suggest that your “zip code” is the single-most important determinant of an

some predictions and prognostications about how we can make the transition.

## Harmonic Convergence: Health + Sustainability

Sustainable Development is a logical contextual frame for considering health in planning. The classic definition from the Brundtland Commission is development that “meets the needs of the present without compromising the ability of future generations to meet their own needs.” CEQA’s requirement to address long-term versus short-term needs appears to echo the Commission’s definition of sustainable development. Michael Thomas Needham referred similarly to ‘Sustainable Development’ “as the ability to meet the needs of the present while contributing to the future generations’ needs.”

***“Socially, “Green Health” occurs at a nexus of morally-laden decisions about living in the world as patients, workers, consumers, and citizens.”***

(Institute for the Future Health Horizons Program)

individual’s health. In other words, how communities are designed can influence one’s level of physical activity and, hence, health. Given the prominence of the obesity epidemic and rise in chronic diseases, planners will increasingly be called upon to play a role in promoting healthy communities. This will expand the mission of planning organizations to consider the health implications of land-use decisions. The “convergence” of planning and health and wellness represents a significant trend, and one which will set a dominant tone. This article is intended to help planners understand this emerging trend.

We begin with deciphering the connection between planning and health, specifically the “fit” between health and sustainability. Next, we look at upstream health factors. We then discuss the “cultural” transition in the planning, health, and social services arenas that will be necessary in order to fully realize the potential of health sustainability planning. We highlight the importance of power sharing between agencies and grassroots organizations and highlight the evolution in policy planning and environmental analysis, along with the use of health impact assessments (HIAs). Finally, we conclude with

Sustainable development happens at many levels: from individual buildings and neighborhoods-green building and sustainable communities, to the city and regional scale green cities, sustainable bioregions, etc. Sustainable development also has multiple dimensions: from design and green planning, to green infrastructure. Most relevant from a planning/health perspective is sustainable development’s focus on enhancing “mobility.” This includes community design incorporating mixed use development, in combination with transit options, streetscape design that enhances pedestrian/bike safety (“complete streets”), and access to services and amenities. In essence, an urban form characterized by mixed use and pedestrian and transit-oriented development is what makes walking and biking more attractive, as well as practical and feasible. On a regional level, it embodies the “smart growth” principles of interconnected “walkable” and “bikeable” communities, served by local businesses and linked to a larger transit and alternative modes network. Think “Millennium Park” in downtown Chicago or “Bell Street Park” in Seattle!

*continued on page 13*



## Health Factors

Increasingly, health researchers are finding that health problems are influenced by societal policies and environments that either support behaviors or fail to foster healthier choices. Dr. Kawachi stressed that where you live affects how you live. There is growing consensus that major health problems will not be solved solely by individual actions and choices. By moving “upstream” to address causes and improving environments where we work, learn, and play, we can reduce chronic illnesses. Dr. Kawachi specifically cites changes in “transportation policies and urban zoning.” (Physical Activity and the Built Environment: What Works?” Statewide Conference Sponsored by Health by Design September 10, 2007 Indianapolis, IN)

*Health care, genetics, and lifestyle changes only take us so far. If you want to prevent obesity, you need to cure the environment, not the individual.”*

*Dr. Ichiro Kawachi, delivering Keynote address at Statewide Policy Forum on Social Determinants of Health, 11/13/06 ([http://bcbsmnfoundation.com/objects/Tier\\_3/forum\\_proceedings.pdf](http://bcbsmnfoundation.com/objects/Tier_3/forum_proceedings.pdf))*

*“We must understand that education, housing, transportation, and community development and income policies are health policies- Jan Malcolm (<http://mn.gov/health-reform/images/Task-Force-and-Work-Groups-Summary-2012-01-31.pdf>)*

In essence, it appears that health professionals are abandoning their long-held belief in the efficacy of health education programs. They have learned that such programs rarely lead to sustained behavioral change, unless scaled up and instituted through formal and informal PSE changes. An upstream approach might also involve measures designed to influence diet and nutrition, such as agricultural food subsidies and national nutrition standards. If this seems out-of-bounds to you planners out there, think about the growing trend to promote local and sustainable foods through urban agriculture and farmer’s markets, or the efforts by schools and universities to source more sustainable food options.

## Cultural Transition

Sustainable Development, by its very nature, is interdisciplinary and, in the case of health and land-use, will require the “triad” of planners, health, and social services professionals to collaborate in developing plans and forging strategies. This would hardly be the first time that planners have worked with health professionals. Solid waste and water quality facility siting, as well as development review, call for planners to work routinely with local health departments, as well as State and federal agencies like Environmental Protection Agency, Department of Toxic Substances Control, and California Department of Health Services. What has changed is that, until

recently, health issues have not been a consideration in land-use transportation and mobility planning, such as has engineering and public service issues, for example. The marriage between planning and public works professionals may not be perfect but they have grown accustomed to one another’s particular proclivities. Merging of health, social service, and planning will require a similar cultural transition. However in this latter case, the transition may be eased, given a shared vision, if not mission, of promoting healthy communities. Human resources managers must also be included in this conversation. Recruiting, training, and retaining staff with appropriate interdisciplinary experience is essential for capacity building and effecting organizational change.

APA’s Sustainable Planning Interest Group is emblematic of the critical mass of planning professionals that are supporting sustainability initiatives, many of whom are focused on health and mobility, together with local and sustainable foods. Health, mobility, local foods, and nutrition were recurring sustainability themes dominating recent APA conferences in Boston and Los Angeles. APA has also adopted policies on supporting “Community and Regional Food Systems” [<http://www.urbantilth.org/wpcontent/uploads/2008/10/american-planning-association-policy-guide-on-community-and-regional-food-planning.pdf>]. While training and conference programs focusing on the intersection of planning, health, and sustainability is available, advanced or graduate-level curricula has yet to be developed. The Sustainable Urban Development Reader (2<sup>nd</sup>.Ed, 2008) ([www.routledgegeography.com](http://www.routledgegeography.com)), intended for advanced studies in sustainable development, contains only one paragraph on the subject of the health-sustainability link in an otherwise comprehensive text. Similarly, contemporary texts on health policy lack any substantive discussion of the significance of environmental determinants as a factor in chronic disease or the connection between health and community planning.

## Community Collaboration and Power-Sharing

Concerns about sustainability have been driven, to a large degree, by the public and, consequently, power relationships need to change in order to promote community partnerships. Moreover, health and social service professionals will need to develop competencies that enable them to address issues that occur at the intersection of health, planning, and sustainable development. This would require planners to understand the role of health determinants, approaches to health promotion, health policy, and tools like logic mapping and health impact assessments.

Because of the grassroots nature of sustainability initiatives, planners, health professionals, and social workers will need to place increasing emphasis upon consensus building and developing community partnerships. This will also require

planning, health, and social service agencies to adopt a proactive approach to organizational change, and one that relies more on a process of shared learning, increased openness and accessibility, and a shift in how information is acquired and communicated. This not only involves power-sharing, but, further, portends a fundamental change in the notion of local government from one that mandates change to one that empowers change. Planners already have some models that embody a cooperative, grassroots, approach wherein agencies derive their power consensually, versus coercively. ([www.mpow.org/elisheva\\_sadan\\_empowerment\\_spreads\\_chapter1.pdf](http://www.mpow.org/elisheva_sadan_empowerment_spreads_chapter1.pdf)). California's "coordinated resource management and planning" model is a good example of bottom-up watershed planning, which emphasizes decentralized decision-making, power sharing, and collaboration. Other examples include the many successful open space and trails planning and acquisition programs spearheaded by land conservancies and conservation/developer partnerships; local food coops, and, until more recently, the many community-run recycling programs.

This requires planning organizations coupled with incentives and inducements.

## Policy Planning and Impact Assessment

Planning-related health issues can be addressed through general plan or other local policy plans or via Health Impact Assessments (HIAs). The City of Richmond, California was one of the first cities in the country to develop a comprehensive general plan element addressing the link between public health and the built environment. A number of other Cities and counties in California have since developed health plan elements. Richmond, a former shipbuilding hub during World War II, has a number of historic industrial uses and a legacy of environmental contamination. It is home to Chevron-Richmond Refinery, General Chemical, as well as a proliferation of other port-industrial activities. Naturally then, Richmond's Community Health and Wellness Element addresses environmental justice issues related to air pollution and water and soil contamination. The Health Element further discusses pedestrian and bicyclist injuries, chronic diseases, and crime and violence. Richmond residents are at a higher risk than residents in the rest of the county on many health indicators including, the highest proportion of deaths from diabetes, a much higher than average rate of children requiring hospitalization due to asthma, and the second highest number of hospitalizations for mental health disorders and substance abuse. Richmond residents are also disproportionately affected by heart disease, cancer, and stroke (<http://www.healthycommunitiesbydesign.org>). Health planning elements and HIAs can also be prepared in association with Housing Elements and Economic Development Plans, Sustainability and Carbon Action Plans, Alternative Modes Plans, Trails and Bicycle Plans, as well as Safety and Emergency Preparedness Plans. HIAs are particularly suited to addressing health implications of plans, programs, and policies (programmatic HIAs).

*Health Impact Assessment is "a multidisciplinary process within which a range of evidence about the health effects of a proposal is considered in a structured framework ...based on a broad model of health which proposes that economic, political, social, psychological, and environmental factors determine population health." ([www.hiacollaborative.org/faq](http://www.hiacollaborative.org/faq))*

*HIA have also been defined as, "... a systematic process that evaluates the health impacts of a proposed policy, plan, program, or project. The assessment helps the public and decision-makers understand the health consequences of the proposal, and make informed choices that protect and promote health." (<http://www.humanimpact.org/component/jdownloads/finish/8/118/0>)*

HIAs have been used as a policy analysis tool to highlight health impacts and can either be in the form of a highly structured report, a policy brief or issue paper, or can even take the shape of a community forum. Compared to Environmental Impact Assessments (EIA), there is a greater emphasis on "inter-sectoral," or interdisciplinary, coordination and public participation. HIAs examine causal factors and pathways in four main areas including, social determinants, environmental impacts (i.e. air and water quality), built environment, and health behaviors. The "built environment" has been receiving most attention lately, along with the need to promote sustainable development. Consequently, there is increasing interest to using HIAs in conjunction with land-use policy planning and EIAs. Pathways could include, for example, housing, land-use mix, food access and security, transportation infrastructure, traffic safety, noise, community walkability, and recreational amenities. Examples of causal factors, such as in the case of a farmer's market, might include consumption of fruits and vegetables; income for vendors' and farmers; preservation of agricultural land; community economic conditions; and pedestrian access (i.e.; physical activity).

Planners and environmental scientists would, as before, be concerned with biophysical health effects, which have commonly been addressed through human health risk assessments (HRAs) and ecological health risk assessments (ERAs). EPA establishes a specific methodology for assessing HRAs and ERAs risks to human health from exposure to hazardous substances and are thus narrower than HIAs. For example, laws addressing hazardous substances, like motor vehicle fuel additives and pesticides, or emissions of mercury or dioxin from a power plant, generally require HRAs or ERAs rather than HIAs. In contrast, HIAs would focus increasingly upon the more indirect health outcomes in order to determine the health effects of a policy or activity.

HIAs are just beginning to be used in connection with NEPA and NEPA/CEQA reviews and incorporation into

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CEQA is easily foreseeable. The Bureau of Land Management (BLM) conducted the first federal joint HIA/EIS to address community health concerns for proposed oil and gas leasing in the National Petroleum Reserve Northeast (NPR-A EIS). HIAs are being planned in conjunction with major projects at the Ports of Oakland, Los Angeles, and Long Beach, in addition expansion of the I-710 in Southern California. NEPA does not specifically require HIAs, however; it does contain language in its stated purpose requiring consideration of health impacts (Sections 1508.27(b)(2)). In addition, Council on Environmental Quality (CEQ) regulations stipulate that agencies respond to public comments on health concerns (Section 2, 42 USC 4321).

HIAs, through examining impact pathways, offer a useful planning and analysis tool. They provide a far more rigorous analysis of physical health outcomes, like changes in Body Mass Indicators (BMI), than the analysis that would commonly be undertaken in an EIA. In California, UCLA has been leading the way, establishing an “HIA Training Manual ([www.ph.ucla.edu/hs/health-impact](http://www.ph.ucla.edu/hs/health-impact)),” San Francisco Department of Public Health has prepared “A Guide to Health Impact Assessment” for the State Department of Health, and, leading national efforts, Centers for Disease Control ([www.cdc.gov/healthyplaces/hia](http://www.cdc.gov/healthyplaces/hia)) has authored reports on a variety of HIA topics. Non-profits, including PEW Health Group ([www.healthimpactproject.org](http://www.healthimpactproject.org)), have also contributed to research in this area.

## Conclusions

Planners have been preaching about the virtues of sustainable development for a long time. However, as a profession, we have been largely ineffective, until recently, in promoting these ideas and bringing about change. Indeed, the “new urbanist” and “smart growth” ideas born in the 1980s, are beginning to gain momentum. The concepts of density, mixed use, and transit and pedestrian-oriented development are being implemented in cities across the country. The sustainability movement has given shape to, and propelled, these initiatives. Now, recognition of the health/sustainability link is adding an additional impetus to these initiatives. Concerns about the precipitous rise in chronic health conditions, such as heart disease and diabetes, associated with physical inactivity and poor nutrition have brought the obesity epidemic to center stage. However, this has not yet resulted in policy changes at the national level. The majority of health care expenditures still go to medical treatment of chronic diseases rather than toward prevention. And, this results in repercussions throughout the health care system, particularly with regard to rising costs and disparities in treatment. The costs of treating chronic conditions account for the great majority of health care expenditures.

Clearly, promoting sustainable and healthy community development will pay dividends in public health benefits and economic savings. However, progressive planning measures having the most effect, such as reducing parking requirements, establishing car-free zones and bike-only corridors, are more likely to meet political opposition, compared to the palliative measures that are usually advocated. Likewise, economic incentives and disincentives, like raising gas taxes and charging more for or limiting parking might be though relatively efficient, but are also likely to meet resistance. Wellness strategies in school, on campus, and in the workplace can also be effective when combined with incentives. However, does this imply that individuals accustomed to unhealthy and sedentary lifestyles are suddenly going to adopt changes in behavior? There are often deep psychological factors that inhibit change, such as ingrained habits, peer pressure, stress, depression, and substance abuse. Perhaps the greatest changes will come from children and those adults who are already motivated to adopt a healthier lifestyle, given the right circumstances. And that, in turn, might result in significant societal change.

Morty Prisament, MSMP, AICP, is Founder of Strategenesis-GPC, an interdisciplinary team developing sustainability strategies and training programs. He has collaborated with Boise State University's Energy Policy Institute (EPI) on sustainability initiatives as an Adjunct Faculty member, UC-San Diego's Institute of the Americas, as well as Southern California Association of Governments. Morty was formerly Planning Manager with Tetra Tech, and has managed NEPA/CEQA, coastal energy, and wastewater programs in the Bay Area, Central Coast, and San Diego. He also previously directed the California Coordinated Resources Program in Sacramento. As Bay Area AEP Vice President, he initiated the Green Planning Workshop Series, coordinating programs throughout California. Contact: 510-484-6811

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By: Dr. Doug Smith, Professor in the CSUMB Division of Science & Environmental Policy and Co-Director of the CSUMB Watershed Institute

# CSU Monterey Bay Watershed Institute Publications: A Gold Mine of Gray Literature?

When is the best time to plant a fruit tree? Conventional wisdom says, fifteen years ago. Coincidentally, that is also a great time to have started baseline monitoring for that EIR you are now contracted to write! If there is a university near your project, there is a reasonable chance that someone has made a few unpublished, but critically-important, historical baseline observations about your area of interest. Unfortunately, most of those unpublished data sets are sitting in a file somewhere, or at best, they are collecting dust, shelved on a client's book case as a gray literature consulting report. However, if you are working in Monterey County, California, you may have run into the California Coastal Watershed Studies technical reports produced by researchers affiliated with the CSU Monterey Bay (CSUMB) Watershed Institute. This article describes how the Watershed Institute publication series has played a pivotal role in serving our data-hungry community, has given students real-world experience in the art of technical report writing, and has helped to inform environmental decision-makers.

## CSUMB Watershed Institute

The Watershed Institute has been continuously engaged in environmental research projects and technical advisory service since 1995, when CSUMB first opened its doors as part of the re-use of the former Fort Ord army base. The research group is popularly known as the CCoWS (pronounced "seacows"), which stands for California Coastal Watershed Studies (<http://ccows.csUMB.edu/home/>). In general we work in hydrology, erosion, sediment transport, aquatic and terrestrial ecology, water quality, geospatial technology, data analysis, and environmental modeling. And yes, we are the same professors who teach those research skills in the undergraduate and graduate environmental science programs within the CSUMB Division of Science and Environmental Policy (<http://sep.csUMB.edu/sep/>). These programs include a B.S. in Environmental Science, Technology, and Policy (<http://sep.csUMB.edu/estp/>) and an M.S. in Coastal and Watershed Science & Policy (<http://sep.csUMB.edu/cwsp/>). Our graduate program offers the traditional thesis option and a Professional Master of Science (PSM) option.

## Watershed Institute Publications

In about 2000, Fred Watson (CSUMB faculty and CCoWS researcher) created the Watershed Institute Publication series to be an on-line archive of our collective technical reports. The reports have been publically available since that time. The Watershed Institute Publications series can be found organized by year under the headings of "Reports" and "Class Reports" within our general publications list at the following web address: <http://ccows.csUMB.edu/pubs/>. As of May 2012, there were over 100 reports listed. Most of the reports are web-accessible, and virtually all have at least one student co-author. The publications listed under "Reports" are typically funded project reports that represent many months of careful data collection and analysis. These reports have undergone rigorous internal review (and sometimes "peer" or "client" review outside the Institute). In contrast, the "Class Reports" are gratis studies done by graduate students in our Advanced Watershed Science and Policy course. Usually three Class Reports are generated each fall semester, each supervised by a different faculty member. While the Class Reports are commonly high-quality studies that the client appreciates, the reports are typically not as deeply reviewed and vetted before posting. Nonetheless, each report has a fine data set or result that is archived for future reference by environmental professionals.

## A Data-Hungry Community

The large number of reports on the web is testament to a community that needs environmental data for resource-management decisions. CCoWS serves a broad spectrum of community partners, ranging from grass-roots organizations to the federal government. Community members contact us with potential projects on a fairly regular basis. We must filter the requests in various ways, given that we are a finite team with a generally heavy teaching load. Beyond serving a specific client, our reports live on to be cited in EIRs, EAs, watershed assessments, grant proposals, biological opinions, and journal articles. Our one goal is to deliver the cleanest science possible, independent of our personal perspectives. Ethics and impartial data collection are at the heart of science, and these are key lessons for the students who join us in our research.



Graduate Student Kathy Pugh installs a web-hosted, telemetered stream gage at a research site near Hollister, CA. Photo by Carrie Williams.

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## Real-World Training for Students

We include undergraduate and graduate students in nearly every project. We have student interns who do lab and field work, student collaborators who take on a greater responsibilities, and occasionally students who act as lead scientists, managing other students on the team. Students gain co-authorship on a technical report by materially contributing to a project and its write-up.

The real-world projects leading to Watershed Institute technical reports offer students a chance to get involved with all aspects of applied science. Students are commonly involved in background research, project design, data collection, statistical analysis, budgeting, and report writing. As we all know projects never go exactly according to plan, so students get the added experience of troubleshooting and adapting to new circumstances. The benefits to these students include a deeper knowledge of a particular topic and related policies, some professional experience, a paycheck, and they appreciate adding some “beef” to their resumes as they look to the next step in their careers.

Through the years, we have sent out several surveys to our regional employers to gauge the current and future employee skill sets. Without fail, the top requirements have nothing to do with emerging technologies. According to our surveys, employers need students who have great writing skills! So, we have a challenge. Freshmen come to us with an enormous range of writing skills. In response, we have tried a variety of strategies to build those skills. For example, we shoot for the “technical report” as the target genre for our students in several of our project-based watershed-science courses. Some of those students eventually rise to the challenge of coauthoring a Watershed Institute Publication, an event that carries significant honor within the student body. Employers have been pleased with our graduate’s writing skills.

## Sample Projects

The range of projects in the publication series is broad. I provide three examples here. Smith et al. (2008) collected



Graduate student Krystal Gomez operates a vessel-based terrestrial LiDAR unit as she creates a precise DEM of the Los Padres Reservoir in the Carmel River watershed. Photo by Rikk Kvitek.

multibeam bathymetry and vessel-based LiDAR data to produce a high precision digital model of Los Padres Reservoir for the Monterey Peninsula Management District. The project included four graduate student co-authors, including Krystal Gomez shown running a LiDAR scanner. Krystal is now happily employed at the Monterey Bay Aquarium Research Institute.

Perry et al. (2007) is a report to the California Department of Parks and Recreation describing three years of water quality and aquatic invertebrate monitoring after the construction of the Carmel River Lagoon Enhancement Project. The 90-page report presents the data required to assess whether or not the enhancement project improved steelhead habitat in the lagoon. The report was written by three students (or recent graduates) and Fred Watson. Over the course of the three-year project at least 10 students were involved. One of the coauthors, Joel Casagrande is now with National Marine Fisheries Service.

Pugh et al. (2011) is an example of a graduate class project with 12 student coauthors. The project delineated the watershed areas for stormwater outfalls in the City of Pacific Grove, CA. The project brought students up-to-speed on the new urban stormwater regulations and Low Impact Development (LID) technologies, while providing a valuable product for the City. The work involved DEM analysis, land-cover analysis, and field verification. The report was the basis for another student project in 2012 focusing on HEC HMS modeling of storm runoff in a specific Pacific Grove watershed that is being evaluated for wetland creation and other LID applications. The cumulative body of data has now been used by the city to generate a Request for Proposals for consultants bidding for the LID work. The report has been used at a local school as part of the watershed curriculum, and as the focus of public debate on stormwater and urban forestry issues. Lead author Kathy Pugh is now employed with Waterways Consulting.

## References

Perry, W., Watson, F., Casagrande, J., and Hanely, C., 2007, Carmel lagoon enhancement project: Water quality and wildlife monitoring, 2006-7. The Watershed Institute, California State Monterey Bay, Publication No. WI-2007-02, 90 pages [http://ccows.csumb.edu/crlep/reports/CRLEP\\_Final\\_070815.pdf](http://ccows.csumb.edu/crlep/reports/CRLEP_Final_070815.pdf) (last downloaded June 24, 2012).

Pugh K, Arenas R, Cubanski P, Lancot M, Purdy A, Bassett R, Smith J, Hession S, Stoner K, Ashbach R, Alberola G, Jacuzzi N, Watson F. 2011. Stormwater outfall watershed delineation, land cover characteristics, and recommended priorities for monitoring and mitigation in the City of Pacific Grove, California. The Watershed Institute, California State Monterey Bay, Publication No. WI-2011-02, 74 pages. [http://ccows.csumb.edu/pubs/reports/CSUMB\\_ENVS660\\_ClassReport\\_PGStormwater\\_120306.pdf](http://ccows.csumb.edu/pubs/reports/CSUMB_ENVS660_ClassReport_PGStormwater_120306.pdf) (last downloaded June 25, 2012).

Smith, D.P., Kvitek, R., Aiello, I., Iampietro, P., Quan, S., Paddock, E., Endris, C, and Gomez, K., 2009, Fall 2008 Stage-Volume Relationship for Los Padres Reservoir, Carmel Valley, California: Prepared for the Monterey Peninsula Water Management District. The Watershed Institute, California State University Monterey Bay, Publication no. WI-2009-2, 30 pp. [http://ccows.csumb.edu/pubs/reports/CCoWS\\_MPWMD\\_LosPadres\\_StageVol\\_2008\\_090508.pdf](http://ccows.csumb.edu/pubs/reports/CCoWS_MPWMD_LosPadres_StageVol_2008_090508.pdf) (last downloaded June 20, 2012).

# 2013 AEP Awards Program

Nomination Submittal Deadline: August 15, 2012



## WALK THE TALK

JW Marriott - LA LIVE

Los Angeles, CA

April 1 - 5, 2013

NAEP | AEP JOINT CONFERENCE

### AEP issues the following awards:

- Outstanding Environmental Analysis Document
- Outstanding Environmental Resource Document
- Outstanding Planning Document
- Outstanding Climate Change Document
- Outstanding Public Involvement/Education Program
- Outstanding Media Coverage of an Environmental Topic
- Outstanding Chapter Activity
- Environmental Humor
- Al Reynolds Memorial Lifetime Achievement Award
- Certificate of Achievement
- Certificate of Appreciation

### INTERESTED IN SERVING ON THE 2013 AEP AWARDS JURY?

Please contact:

Dev Vrat

2013 AEP

Awards Program Co-Chair

devvrat@aol.com

Nominations are being accepted until August 15, 2012, for the 2013 AEP Awards Program, which will occur between April 1 - 5, 2013, at the NAEP/AEP Joint Conference in Los Angeles. Award recipients will be invited to present their work in a special program session at the conference.

All documents will be evaluated based on their merits using the rating criteria established for each respective category.

All nominations must be submitted in CD or DVD format. The AEP Awards Committee may also solicit nominations and suggest additional or special awards from AEP Chapters and the State Board. The Awards Committee Co-chairs shall make all final decisions regarding the AEP Awards Program in consultation with the Awards Jury.

### MANDATORY SUBMITTAL REQUIREMENTS

All of the following documentation must be provided in full. Due to time and cost factors, incomplete nominations cannot be considered. The Nominator will be considered the primary contact for the nomination. Each nomination shall consist of the following:

1. Printed copy of the completed AEP Award Nomination Submittal Form, or visit <http://www.n-aep2013.org/>. (six hard copies)
2. CDs or DVDs (six) containing the following (paper materials are not accepted by the AEP Awards Program):
  - Completed AEP Award Nomination Submittal Form, (see attached or visit <http://www.n-aep2013.org/>).
  - Two-page (maximum) Summary Description of the Submittal, explaining (1) its best features, (2) unique or innovative approaches or benefits, and (3) how the nominated document has achieved the specific award criteria.
  - Supplemental supporting materials, such as audio, video, or electronic presentations are encouraged. These materials should be succinct, given the limited time available for Jury deliberations.
3. Copy of the entire document on CD-ROM, as appropriate, for which the Nomination is submitted (6 CDs).

### AWARDS PRESENTATION

The Awards Ceremony will include a video presentation of the achievements of Outstanding and Merit Award winners. Certificate winners will also be recognized. If your nomination is selected to receive an Outstanding or Merit Award, you will be invited to submit concise video footage describing your work achievement. The AEP Awards Program videographer will contact award recipients concerning the format and length of your video submittal. Award recipients will be required to sign a release allowing AEP to publicize and/or publish the nomination package to promote the outstanding work of California environmental professionals.

### GENERAL REQUIREMENTS AND INFORMATION

Nominations may only be made by AEP members. Documents must have been published or presented during the previous five years. Nominations and appropriate supporting materials must be received by the AEP Awards Chair, at the address provided, by August 15, 2012. An entry fee of \$50 must be included with all nominations except those for Certificates of Achievement or Appreciation, and Outstanding Chapter Activity. If an award nomination involves a public agency the public agency must also sign the nomination form or include a separate letter authorizing the nomination before submittal to the Awards Committee. If the general submittal requirements are not met, the nomination will be rejected. Awards will be issued unless nominations for a given category do not meet the criteria of an "outstanding" or "exceptional" example of its type. In this case no award will be issued for that category.

AEP Mountain plaques will be given for Outstanding and Merit awards for each winning document, program, or person. If a combination of agencies and/or firms was involved in the preparation of the document, please specify the one agency or firm who will be accepting the award. AEP will provide the opportunity for award winners to order additional award plaques, at cost.



## OUTSTANDING ENVIRONMENTAL ANALYSIS DOCUMENT

This award is given to the agency or firm publishing an outstanding environmental analysis or assessment document including, but not limited to:

- Environmental Impact Reports;
- Environmental Impact Statements;
- Environmental Assessments; and
- Initial Studies

Draft, Final, Supplemental, Subsequent, Addendum, and Program versions of such documents may be considered appropriate for this award category. The Awards Jury will consider other types of documents suitable for this award, if judged to be appropriate. The documents will be judged on the basis of the following criteria:

- Completeness — adequate, reliable, and thorough presentation of documentation and data;
- Clarity of Organization — clear structure, tracks State CEQA or NEPA format;
- Clarity of Writing and Presentation — readable by laypersons, decision-makers and professionals alike, minimal use of acronyms;
- Economy of Language — concise, direct, and to the point; technical information technical information is provided in appendices;
- Adequacy of Summary — concise and salient, tells the full story;
- Unique Methodology, original approach to analysis and data presentation; and
- Public Involvement — extent of public outreach and involvement in document preparation.

## OUTSTANDING ENVIRONMENTAL RESOURCE DOCUMENT

This award is given to an individual agency or firm publishing an outstanding environmental resource document. The award is for environmental documents which have a broader application, or can serve as a resource for a wide range of environmental professionals, as distinguished from an impact analysis or assessment document which addresses specific projects or programs. Appropriate documents for consideration in this award category may include, but are not limited to:

- Manuals for preparing Environment Impact Reports;
- Significance Threshold Guidelines;
- Mitigation Monitoring Programs; and
- Other Non-Impact Analysis/Assessment Studies and Reports.

At a minimum, such documents should have usefulness to other environmental professionals and have applications for a wide range of geographical areas or conditions. The AEP Awards Jury will evaluate these types of documents on the basis of the following criteria:

- Creativity and Innovation — originality of methodology, format, or approach to an issue;
- Transferability — ability to adapt methodology or apply information to different situations;
- Methodology — sound and well-substantiated approach and/or analysis to presentation of data and conclusions; and
- Clarity — “user friendly” presentation of technical information, with direct and concise language and/or graphics appropriate for audience.

## OUTSTANDING PLANNING DOCUMENT

This award is given to the agency or firm publishing a land use, transportation or other plan that best accommodates projected population growth in a compact form to protect California’s environmental resources, minimize greenhouse gas emissions, and provide urban recreation and natural open space. These include but are not limited to:

- General Plan Elements;
- Specific Plans;
- Housing Elements;
- Transportation Plans; and
- Neo-Traditional or New Urbanist Plans.

The plans will be judged on the basis of the following criteria:

- Protection of sensitive environmental resources and agriculture;
- Accommodation of HCD and COG population growth projections;
- Regional jobs/housing balance to reduce commuting;
- Provision of housing affordable to a range of household incomes; and
- Provision of public transit, bikeways, and pedestrian paths.

## OUTSTANDING CLIMATE CHANGE DOCUMENT

This category includes Climate Action Plans, CEQA Documents, significance thresholds, implementation guidelines, technical assistance documents, AB32 scoping plans, public information documents, and research documents. For plans or projects that are intended to reduce greenhouse gas emissions the criteria includes:

- Methodology – How to determine targets and assess progress (ref.: SB 375, models vs. BMPs)
- Performance Monitoring - Does the plan identify a defensible and replicable means for measuring actual GHG emission reductions?
- Backstop - Does the plan include backstop measures in case the primary strategies fall short of expectations.
- Metrics - Does the plan/project rely on metrics that result in a fair measurement of GHG reductions? (ref.: SB 375: % GHG reduction per capita, vs. GHG reduction compared to base year vs % GHG reduction per service population; etc.).

## OUTSTANDING PUBLIC INVOLVEMENT/EDUCATION PROGRAM

This award is given to individual agencies, firms, or organizations who have conducted an outstanding public involvement or educational program. This category serves the AEP awards program criteria of promoting the diversity of entrants and achievements among environmental professionals. To be considered for this award, the nominated public involvement or education program should meet and exceed the following criteria:

- Increase the public’s awareness of environmental issues and facilitate their role in the environmental planning, analysis, and review process;
- Provide a clear message consistent with AEP’s objectives: enhance, protect and maintain the natural and human environments,
- Emphasize creative use of media (e.g. Social Media);
- Use methodology or paradigm which has broad applicability and is replicable by other agencies, firms, or organizations; and
- Includes measures to demonstrate its effectiveness — e.g., level of participation, adoption of model ordinances, or descriptions of other changes in behavior or benefits resulting from the program.

## OUTSTANDING MEDIA COVERAGE OF AN ENVIRONMENTAL TOPIC

This award is given to an individual writer, editor, or publication for an outstanding article or series of articles or for the demonstration of unbiased, factual coverage of environmental issues. Similarly, writers, producers, or individual radio or television shows or web sites responsible for outstanding coverage of an environmental topic are also eligible for this award.

The AEP Awards Jury will evaluate nominations under this category using the following criteria:

- Relevance to the public at large;
- Demonstrated depth of research of the topic at hand;
- Clarity and quality of the presentation; and
- Usefulness of the coverage in empowering the reader, listener, or viewer toward positive environmental action (e.g., article includes references to volunteer organizations, use of social media, provides practical tips for use at home or work, provides maps and directions to areas of interest, etc.)

## OUTSTANDING CHAPTER ACTIVITY

The Chapter Activity Award is given to a Chapter or Chapters for an activity, program, or workshop of unusually high merit.

The AEP Awards Jury will evaluate nominations under this category using the following criteria:

- Accessibility and relevance for AEP members;
- Outreach to others outside of the AEP;
- Provision of tools and information that can be used in practice by participants; and
- Transferability to other AEP chapters.

## ENVIRONMENTAL HUMOR AWARD

A good sense of humor can provide a welcome respite during our current economic challenges in the environmental profession. This award is given to the person who submits the most humorous anecdotal story, news article, publication or other item relating to the environmental profession in California or in the enhancement, protection or maintenance of the California environment itself. Stories may include but are not limited to field experiences, document preparation, public meetings and hearings. This is intended to be a fun category, so let yourself go. The Awards Jury will read all the nominations and then decide which nomination makes them laugh the hardest.

## CERTIFICATE OF ACHIEVEMENT

This award is given to an individual, firm, agency, or organization for unique achievements in an environmental field or activity. Nominees need not be members of AEP. AEP has recognized lifetime achievements of excellence in the environmental profession, and individual accomplishments in a specific environmental field or on an issue or topic. The award is also appropriate for any significant environment-related activity that has been highly successful and noteworthy, including newspaper or magazine reporting, development of key legislation, implementation of progressive program, etc.

In addition to the form, nominations must include:

- Resume of nominee;
- Reasons for recognition and statements of endorsement from knowledgeable persons; and
- Sufficient supporting material to allow the awards committee to make an evaluation without seeking further information or research.

## CERTIFICATE OF APPRECIATION

This award is given to AEP members who have made outstanding contributions (excluding monetary) to either the state AEP organization or a local chapter. The AEP Awards Committee encourages each chapter board to nominate at least one person within their chapter. In addition to the form, the nomination must include:

- Name, address, and phone number of the nominee;
- Reasons for recognition; and
- Statements of endorsement from knowledgeable persons.

## AL REYNOLDS MEMORIAL LIFETIME ACHIEVEMENT (ARMLA) AWARD

Established in 2005, the ARMLA Award is the most prestigious of all awards presented by AEP. It acknowledges superior achievement throughout the recipient's entire career.

The Awards Jury will use the following criteria in considering this prestigious award:

- Nominee's body of work over entire career must have significantly contributed to the goals of AEP: Enhance maintain and protect the natural and human environment;
- Nominee must be at least sixty years old in the year of the award. Posthumous awards will also be given; and
- Nomination must be supported with letters from least two AEP members.

Nomination Submittal Deadline:  
August 15, 2012







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# 2013 AEP Awards Nomination Submittal

Nomination Submittal Deadline: August 15, 2012

## PLEASE CHECK ONE

- |   |  |
|---|--|
| <input type="checkbox"/> Environmental Analysis Document          | <input type="checkbox"/> Chapter Activity  |
| <input type="checkbox"/> Environmental Resource Document          | <input type="checkbox"/> Environmental Humor   |
| <input type="checkbox"/> Planning Document                        | <input type="checkbox"/> Al Reynolds Memorial Lifetime Achievement Award   |
| <input type="checkbox"/> Climate Change Document                  | <input type="checkbox"/> Certificate of Achievement  |
| <input type="checkbox"/> Public Involvement/Education Program     | <input type="checkbox"/> Certificate of Appreciation   |
| <input type="checkbox"/> Media Coverage of an Environmental Topic | <input type="checkbox"/> <i>Check here if you would like to present your project in conference session. Please complete session proposal separately.</i> |

Name of document, person or group nominated for award \_\_\_\_\_

Prepared for (public agency) \_\_\_\_\_

Agency Contact Name \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

Prepared by (firm/agency names only) who contributed to the success of the project, in the opinion of the Nominator. Specify which names, if any, should be included on the award plaque.

Firm Contact Name \_\_\_\_\_

Phone \_\_\_\_\_

E-mail \_\_\_\_\_

Date of publication/presentation \_\_\_\_\_

Nominator Name (must be AEP member) \_\_\_\_\_

Firm or jurisdiction \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

E-mail \_\_\_\_\_

## ENTRY FEE

\$50 Entry Fee except for Certificates of Appreciation or Achievement, and Outstanding Chapter Activity. Please make check payable to: Association of Environmental Professionals.

## MANDATORY SHIPPING REQUIREMENT

You must ship nominations through any vendor that documents and guarantees receipt, such as UPS, Federal Express, personal delivery, etc. Submit Nomination Package: 1 envelope, nomination form (6 copies), CD-ROM(s) or DVD(s) (6 copies), and \$50 entry fee to:

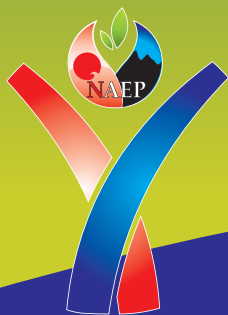
Roger Turner and Dev Vrat,  
AEP Awards Program Co-Chairs,  
Association of  
Environmental Professionals  
(<http://www.n-aep2013.org/>)  
c/o Lynne C. Bynder  
Meetings Xceptional  
40747 Baranda Court  
Palm Desert, CA 92260

email: [lbynder@califaep.org](mailto:lbynder@califaep.org)  
Phone: 760.799.2740

AEP will confirm receipt of your submittal through e-mail or fax. If you have not heard from AEP by August 30, 2012, and your shipper has confirmed delivery of your package, please contact Lynne Bynder at [lbynder@califaep.org](mailto:lbynder@califaep.org). In your message, please indicate who signed for your package, according to your shipper.

# Sponsor/Exhibitor Opportunities

Exhibitor Submission Deadline: March 1, 2013  
Sponsor Submission Deadline: March 14, 2013



**WALK THE TALK**  
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April 1 - 5, 2013

**NAEP | AEP JOINT CONFERENCE**

## Exhibitor Booth \$2,500

- One full conference registration (not including special workshops, courses & tours)
- Your company/agency name posted on the conference website <http://www.n-aep2013.org/>
- Recognition on all printed/electronic advertising for conference
- Exhibitor and sponsorship ribbons to identify your attendees
- Quarter page ad in conference program
- Pre-conference attendee list

## Exhibitor Table Top \$1,500

- One Day conference registration (not including special workshops, courses & tours)
- Your company/agency name posted on the conference Website <http://www.n-aep2013.org/>
- Recognition on all printed/electronic advertising for conference
- Business card ad in conference program
- Exhibitor and sponsorship ribbons to identify your attendees
- Pre-conference attendee list

## Platinum \$10,000

- Exhibit booth (choice of premier location)
- Two full conference registrations (not including special workshops, courses & tours)
- Recognition on all printed/electronic advertising for conference
- Poster/oral recognition at all sponsored functions
- Your company/agency name posted on the conference website <http://www.n-aep2013.org/>
- Full-page advertisement in the conference program
- Exhibitor and sponsorship ribbons to identify your attendees
- Pre-conference attendee list

## Gold \$5,000

- Recognition as a Gold sponsor for a major conference event
- Exhibit booth (choice of location)
- One full conference registration (not including special workshops, courses & tours)
- Recognition on all printed/electronic advertising for conference
- Poster/oral recognition at sponsored function
- Your company/agency name posted on the conference website <http://www.n-aep2013.org/>
- Half-page advertisement in conference program
- Exhibitor and sponsorship ribbons to identify your attendees
- Pre-conference attendee list

## Silver \$2,000

- Recognition as a Silver sponsor for a conference event or mobile workshops
- Recognition on all printed/electronic advertising for conference
- Two meal tickets (breakfast or lunch)
- Your company/agency name posted on the conference website <http://www.n-aep2013.org/>
- Quarter-page advertisement in conference program
- Exhibitor and sponsorship ribbons to identify your attendees
- Pre-conference attendee list

For more information visit  
<http://www.n-aep2013.org/>

## Bronze \$1,000

- Your company/agency name posted on the conference website <http://www.n-aep2013.org/>
- Business card advertisement in conference program
- Exhibitor and sponsorship ribbons to identify your attendees
- Recognition on all printed and electronic advertising for conference
- Pre-conference attendee list

## Copper \$500

- Your company/agency name posted on the conference website <http://www.n-aep2013.org/>

## Conference Bag Sponsor \$2,500

- One full conference registration (not including special workshops, courses & tours)
- Your company/agency name posted on the conference website <http://www.n-aep2013.org/>
- Recognition on all printed/electronic advertising for conference
- Exhibitor and sponsorship ribbons to identify your attendees
- Quarter page ad in conference program
- Pre-conference attendee list

## Lanyard Sponsor \$1,500

- One Day conference registration (not including special workshops, courses & tours)
- Your company/agency name posted on the conference Website <http://www.n-aep2013.org/>
- Recognition on all printed/electronic advertising for conference
- Business card ad in conference program
- Exhibitor and sponsorship ribbons to identify your attendees
- Pre-conference attendee list

## Public Agency Sponsors

### SPONSORSHIP/EXHIBITOR QUESTIONS

#### 2013 CONFERENCE PLANNER

Lynne Bynder, Meetings Xceptional, [lbynder@califaep.org](mailto:lbynder@califaep.org)





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# Sponsor/Exhibitor Registration

Exhibitor Submission Deadline: March 1, 2013  
Sponsor Submission Deadline: March 14, 2013

Return this form  
with your check or  
credit card  
information to:

AEP 2013 Conference  
40747 Baranda Court  
Palm Desert, CA 92260  
760.340.4499  
Fax 760.674.2479  
lbynder@califaep.org  
<http://www.n-aep2013.org/>

## Cancellation Policy

If written cancellation of the sponsor/exhibitor is received by January 15, 2013, an 80% refund will be made, less \$100 administrative fee. If written cancellation of the sponsor/exhibitor is received after February 17, 2013 but before March 1, 2013, a 50% refund, less \$100 administrative fee, will be given. On or after March 1, 2013, no refunds will be made.

Company Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
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### Sponsors

☐ Platinum - \$10,000

1st sponsoring event choice \_\_\_\_\_

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☐ Gold - \$5,000

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2nd sponsoring event choice \_\_\_\_\_

☐ Silver - \$2,000

1st sponsoring event choice \_\_\_\_\_

2nd sponsoring event choice \_\_\_\_\_

☐ Bronze - \$1,000

1st sponsoring event choice \_\_\_\_\_

2nd sponsoring event choice \_\_\_\_\_

☐ Conference Bag Sponsor- \$2,500

☐ Lanyard Sponsor - \$1,500

☐ Copper - \$500

### Exhibitors

Please sign us up for the following:

☐ Booth - \$2,500

☐ Table Top - \$1,500

☐ Pop Up Floor Display -  
\$1,500

### Program Ads

☐ Full Page

☐ Half Page

☐ Quarter Page

☐ Business Card

### Other

We would like to donate an item for  
the conference bags  
(subject to committee approval)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Note: Payment is appreciated at the time this form is submitted, but must be received no later than March 1, 2013.  
All fields below are required.

☐ Check ☐ Visa ☐ Mastercard ☐ Discovercard Booth/Tabletop Space No 

1st Choice	2nd Choice	3rd Choice
<input type="text"/>	<input type="text"/>	<input type="text"/>

Credit Card Number \_\_\_\_\_

See Exhibitor Area Map. Space will be allocated based on sponsorship level and date application is received.

Name on Credit Card \_\_\_\_\_ Expiration Date \_\_\_\_\_ Verification Code \_\_\_\_\_

Billing Address for Credit Card \_\_\_\_\_

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- Open Space Management

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- Stream Flow Gaging
- Storm Water Pollution Prevention Planning
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## President's Message

*continued from page 3*

sponsorship falls in the same category – greater participation by our corporate sponsors provides AEP funds for their contributions but also tremendous exposure for their employees (and potential future employees) in networking with the professional environmental community.

Heads up! - The 2013 Conference will be offered in Los Angeles April 1-5 so mark your calendars now (The actual conference will be April 3-5 with April 1 and 2 for Board Meetings, Symposia, etc.). The venue is "LA Live" at the J. W. Marriott adjacent to the Staples Center and other downtown attractions. Marie Campbell is the chair for the Conference and she has planned a very full and rewarding group of sessions. One important date to watch is the due date for AEP Awards – it is August 15, 2012!!! Much earlier than normal and information regarding the Awards program is located on the AEP website. Also, sponsorship and exhibitor opportunities are posted for your information. You can also upload abstracts for conference papers. So get ready – things are moving FAST!

AEP is an association of environmental professionals dedicated to the professional development of its members and the relationships we build with others in the environmental industry. Our strength is you, the members of AEP. Together we can move the organization to directions we need to ensure the viability and relevance of AEP. With this we can stay on the right path of advancement for the environmental professional and AEP.





Association of  
Environmental  
Professionals



## NEW/RENEWAL MEMBERSHIP APPLICATION



[www.CalifAEP.org](http://www.CalifAEP.org)

Please mail this portion along with your check made payable to AEP: c/o Lynne C. Bynder, CMP, Meetings Xceptional, 40747 Baranda Court, Palm Desert, CA 92260

AEP can not invoice for new memberships. Questions: 760.340.4499, fax: 760.674.2479

Online application available at [http://www.califaep.org/index.php?option=com\\_osemsc&view=register](http://www.califaep.org/index.php?option=com_osemsc&view=register)

### GENERAL INFORMATION

First \_\_\_\_\_ Last \_\_\_\_\_ Certification \_\_\_\_\_ Firm/Agency \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Email \_\_\_\_\_

Daytime Phone No. \_\_\_\_\_ Ext. \_\_\_\_\_ Fax \_\_\_\_\_

☐ Check to be OMITTED from the AEP Web Site Directory. Employment type: ☐ Non-Profit ☐ Private ☐ Public ☐ Other \_\_\_\_\_

☐ Please send me a National Association of Environmental Professionals (NAEP) membership application.

### TO PAY BY CREDIT CARD (PLEASE FILL OUT BELOW)

Card Holder Name \_\_\_\_\_ Signature \_\_\_\_\_

Billing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Card type ☐ Visa ☐ Mastercard ☐ Discover Card No. \_\_\_\_\_ CVC# \_\_\_\_\_ Exp. Date \_\_\_\_\_

### AREAS OF INTEREST (SELECT 3)

- |   |  |  |   |
|---|--|--|---|
| <input type="checkbox"/> 1. CEQA/NEPA Compliance          | <input type="checkbox"/> 6. Noise                      | <input type="checkbox"/> 11. Cultural Resources                      | <input type="checkbox"/> 15. Geographic Information Systems |
| <input type="checkbox"/> 2. Environmental Impact Analysis | <input type="checkbox"/> 7. Transportation             | <input type="checkbox"/> 12. Growth Management/<br>Regional Planning | <input type="checkbox"/> 16. Environmental Justice          |
| <input type="checkbox"/> 3. Resource Management           | <input type="checkbox"/> 8. Hydrology/Water            | <input type="checkbox"/> 13. Environmental Law/Policy                | <input type="checkbox"/> 17. Environmental Engineering      |
| <input type="checkbox"/> 4. Solid/Hazardous Waste         | <input type="checkbox"/> 9. Endangered Species/Biology | <input type="checkbox"/> 14. Land Use/Site Planning                  | <input type="checkbox"/> 18. Other _____                    |
| <input type="checkbox"/> 5. Air Quality                   | <input type="checkbox"/> 10. Geology/Seismic           |  |   |

### CHAPTER REGIONS AND MEMBERSHIP

#### AEP CODE OF ETHICS

1. I will conduct myself and my work in a manner that will uphold the values, integrity, and respect of the profession.
2. I will uphold the stated intent as well as the letter of environmental policies, laws, and regulations which are adopted by governmental bodies or agencies.
3. I will not engage in, encourage, or condone dishonesty, fraud, deceit, discrimination, or misrepresentation in the solicitation, preparation, or use of work prepared by me or under my direction.
4. I will fully disclose to my employers and my prospective clients any economic or ethical interests which could reasonably be interpreted as a conflict of interest by them or by other affected parties with regard to my professional work.
5. I will ensure a good faith effort at full disclosure, technical accuracy, sound methodology, clarity, and objectivity in the collection, analysis, interpretation, and presentation of environmental information by me or under my direction.
6. I will achieve and maintain the highest level of professional competency, for myself and require the same for those I supervise.

Signature acknowledges full understanding and acceptance of the AEP Code of Ethics & Professional Conduct Guidelines.

OFFICE USE ONLY Co. \_\_\_\_\_ P. \_\_\_\_\_ Date \_\_\_\_\_ Amount \_\_\_\_\_ Check # \_\_\_\_\_

Contributions or gifts to AEP are not tax deductible as charitable contributions for income tax purposes. However, they may be tax deductible as ordinary and necessary business expenses subject to restrictions imposed as a result of association lobbying activities. AEP estimates that the nondeductible portion of your dues allocable to lobbying is 5%.

Status \_\_\_\_\_ Please Check

New Member Application..... ☐

Renewal Membership..... ☐

Change of Address, Etc. .... ☐

Membership Category Annual Dues Please Check

Full AEP Member \$150.00..... ☐

AEP Sponsor Member \$250.00..... ☐

*Government/Corporate Sponsors are provided one Full Membership which can "float" within the sponsor company.*

Young Professionals Member \$70.00..... ☐

*Must have graduated in 2011 or 2012.*

Emeritus Member \$70.00..... ☐

*Must have been a full member within the last 5 years.*

AEP Full Time Student Member \$35.00..... ☐

*Please include current student schedule showing 12 units or more with application.*

Note: See full category descriptions on line at [CalifAEP.org](http://CalifAEP.org)

#### AEP Chapter Areas (check one chapter only)

- |   |  |
|---|--|
| <input type="checkbox"/> 1. Channel Counties    | <input type="checkbox"/> 6. Orange County          |
| <input type="checkbox"/> 2. Inland Empire       | <input type="checkbox"/> 7. San Diego              |
| <input type="checkbox"/> 3. Los Angeles         | <input type="checkbox"/> 8. San Francisco Bay Area |
| <input type="checkbox"/> 4. Monterey Bay        | <input type="checkbox"/> 9. Central                |
| <input type="checkbox"/> 5. Superior California |  |

rev. 1/12