

Northern News

NORTHERN SECTION, CALIFORNIA CHAPTER, AMERICAN PLANNING ASSOCIATION

The Arcata Marsh and Wildlife Sanctuary: A Model Wastewater Treatment Facility

by Deborah Carol

AUGUST 1998

The Arcata Marsh & Wildlife Sanctuary is a 154-acre primary sewage treatment facility. It is also a world-class Audubon bird habitat hosting over 200 species and Saturday tours, rain or shine. There are freshwater marshes, avian loafing islands, a brackish lake, a restored estuary that receives juvenile Pacific salmon, and miles of trails meandering along native wetland vegetation and upland grasses. The facility treats municipal sewage to standards above those required by the State Water Quality Control Board, the regulatory agency permitting Arcata's wastewater to be delivered into Humboldt Bay. Created on a former derelict lumber mill, an abandoned waterfront and landfill where locals formerly came to shoot at gulls, the AMWS is now integrated into the life of the town, generating tourist dollars and providing open space recreational opportunities.

Through a determined blending of environmental and municipal planning goals, the town of Arcata, situated some 280 miles north of San Francisco on Humboldt Bay, boasts a model of wastewater treatment that

transcends the industry's axiom that "dilution is the solution to pollution." The Arcata Marsh & Wildlife Sanctuary is more than a park, and also much more than a sewage treatment facility. Elements of coastal urban redevelopment, ecological reintroduction of an endangered fish population, and restoration of historical freshwater wetlands added as the facility evolved, make it a diverse "full-spectrum" city planning concept. Moreover, many individuals contributed to the scope of the facility, making its success

a testament to a unique partnership of agencies, philosophies, and community commitment.

Arcata's goal of meeting regulatory clean water requirements while providing affordable treatment services to its tiny population of 15,000 residents required environmentally sound, innovative planning. This began in 1974 when the state of California, following on the heels of the federal Clean Water Act, mandated water quality standards to city and regional districts. Water clean-up operations, fueled by federal dollars, were put into action. The coastal town of Arcata was told to

participate in a regional sewage treatment and outfall pipeline to treat its dirty discharge. The town's portion of the cost in 1977 was estimated at approximately \$9 million dollars.

Rejecting the state's plan to share in the regional sewage line that would run through agricultural lands, thereby opening them up to possible development, Arcata cited the proposal as too energy intensive, with the added potential to double or triple in cost during implementation and operation. There were also risky environmental complications as the site in Humboldt Bay where effluent would be dumped was an area of shifting and heavy seas during winter storms and the possibility of waste washing on shore would always be present. The Public Works Director, Frank Klopp, argued for an updated, expanded marsh system and former Mayor Dan Hauser became an advocate of the idea. Humboldt State University professors, Drs. George Allen and Bob Gearhart provided research and expertise that demonstrated, according to Professor Allen, that wastewater, "If used carefully... can support a highly complex ecosystem." The community rallied behind the proposal, and Arcata became a modern version of the "mouse that roared."

Over the next few years the town engaged in the "Wastewater Wars" when the Regional Water Quality Control Board opposed Arcata's plan to update its existing oxidation ponds and add marshes. The RWQCB insisted that this plan would neither improve nor enhance the quality of Humboldt Bay. But Arcata persisted in its request to explore the marsh option, and appealed the regional board decision to the

(continued on page 4)

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specializing in visuals
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Technical Illustration

Communications Design

Exhibition Design

DIRECTORS CORNER

by Wendy Cosin, AICP

Wouldn't it be great if Northern Section APA could produce a Planning Commissioner's Workshop? The Inland Empire Section recently had over 90 attendees at a "Planning Commissioner's Forum" which featured eight speakers covering topics ranging from CEQA, traffic analysis, and subdivision design to shared perspectives from developers and commissioners. While the annual PC Institute in Monterey is valuable, there is a need for a local program to cover both basics and more complex issues. It wouldn't be difficult to set up a workshop—a small committee could prepare an outline and there are many good planners, attorneys, and commissioners who could prepare presentations. All we need is someone to take the lead! If you are interested, please give me a call.

Did you know that there is a new CEQA page on the CERES internet site? Users can now make a key-word search of the CEQA statutes and guidelines that will identify and link to all sections where that word is referenced. There is also a case law search engine that calls up the published opinions of the California Supreme Court and Courts of Appeal for CEQA cases. Its address is: <http://ceres.ca.gov/ceqa/>

Interested in summer reading with a planner as a main character? Patrick Chamoiseau's award winning novel "Texaco" focuses on the importance of diversity, urban complexity, and neighborhoods in creating living cities.

Elections for Northern Section Director and Administration Director will take place this year. A nominations committee will be formed in September to seek out interested candidates. The Director presides at Section Board meetings, attends State Board meetings, and is generally responsible for keeping things moving. The Administration Director is responsible for the Section minutes, correspondence and records. I am looking forward to passing the baton on this and would be glad to speak with anyone interested in either position. Feel free to nominate yourself or one of your associates.

Planners' Casebook

Call for Manuscripts

Planners' Casebook, the quarterly publication of the American Institute of Certified Planners, is currently seeking manuscripts for upcoming issues. *Casebooks* present lessons learned from innovative, controversial, or challenging programs in easy-to-read format geared for the practicing professional. Each case study examines the process, the key players, and strategies involved in planning implementation. An important component of each *Casebook* is the detailing of lessons learned, which are often transferable from one planning situation to another.

Authors of published case studies receive a \$500 stipend. Potential authors should submit a 400-word abstract to the editor for evaluation. Abstracts should present a clear overview of the proposed article, including its scope, major issue involved, outcomes, and, in particular, the "lessons learned" from your case study. If you wish to submit or would like more information about *Casebook*, contact: Ms. Roshi Pelaseyed, American Planning Association, 1776 Massachusetts Avenue, NW, Washington, DC 20036; 202/872-0611; fax: 202/872-0643.

NEWSLETTER INFORMATION

EDITORIAL

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Salinas, CA 93901

ADDRESS CHANGES

Membership Department

APA National Hqtrs.

122 South Michigan Ave., Ste.1600

Chicago, IL 60603-6107

312/431-9100

The deadline for submitting materials for inclusion in the *Northern News* is the 16th day of the month prior to publication.





JOBS

City of Palo Alto (3 Positions):

Salary DOQ

• Planning Manager

Manage, supervise and coordinate planning, historic preservation, special projects and studies of Planning Division, with special emphasis on single family development such as design review, variance procedures, etc. Requires Bachelor's degree in Urban Planning or related field and 4+ years' professional experience in urban planning, including project management and personnel supervision. Candidates must have knowledge and experience in all areas of urban planning, including preparation and implementation of Zoning Ordinance and Comprehensive Plan elements. Experience w/ historic preservation and familiarity with SHIPD requirements desired.

• Associate Planner (2 positions)

Participate in professional planning activities of Planning and Community Environment department, assisting w/ environment and design reviews, historic preservation architectural reviews, and evaluation of projects submitted for Architectural Review Board (ARB review) and Historic Preservation Board Review. Requires Bachelor's degree in Urban Planning or a related field and 2 years related experience in urban or transportation planning. Candidates must be able to analyze planning issues/problems and develop responses/solutions to those problems. Good research, writing and presentation skills essential.

Generous benefits program. EOE M/F/D/V

For consideration, please send/fax resume, referencing desired position, to: City of Palo Alto, Attn: Leslie Jennings, Human Resources, 250 Hamilton Avenue, Palo Alto, CA 94301. Fax: (650) 329-2696. www.city.palo-alto.ca.us

(more Jobs on pages 4 and 5)

BULLETIN BOARD

South Bay RAC/AEP August Program

Planning for a Safer Community

This combined South Bay RAC/AEP program will explore the nexus of environmental, urban and emergency planning. Perhaps the result will be some new ways of working together as planning professionals at all stages of a community's life, so that the goal of a safe and pleasant community is achieved within the framework of both the "sustainable community" and the "disaster resistant community".

Where: City of San Jose Emergency Operations Center

855 N. San Pedro Street, #454

(Call posted number for access to building & indicate which meeting you are attending.)

When: Thursday, August 27 1998

Time: 6:00 PM - Buffet

6:45 PM - Program

Cost: \$10.00 APA/AEP members/students

\$12.00 Non-members

RSVP: Tom Fitzwater 408/451-9260 or Deborah Ungo-McCormick 408/297-8763, by noon August 25, 1998.

North Bay RAC Event

Brown Bag Lunch and Transportation Forum

(Drinks and cookies will be provided)

The North Bay Regional Advisory Council will host a panel discussion on transportation measures on the November ballots in Marin and Sonoma Counties. Speakers will present an overview of the plan, a discussion of the campaign, and a discussion of relevant land use issues (transit-oriented development, community separators, etc.). This forum will be an opportunity to learn more about the issues and discuss your thoughts with other planners. Please join us!

Date: August 21, 1998

11:30 am - 1:30 pm

Where: At the Petaluma Community Center, Conference Room 3

320 No. McDowell Blvd,

Petaluma, CA

Any questions, call Kim Voge at (707) 585-7516

AICP to Honor Professional Excellence

The American Institute of Certified Planners (AICP) announces the start of a new program to honor certified planners who have made a notable contribution to the advancement of the planning profession. Professional excellence is the mark of Fellows of the American Institute of Certified Planners (FAICP), who will be honored in recognition of their individual achievements in the field of planning.

"As President of AICP, the opportunity to influence the planning profession is momentary. But establishment of the FAICP membership program will be one of those lasting moments," commented Roger Hedrick, AICP, President of the Institute. "Election to Fellowship in AICP as I envision it will be the highest honor that AICP can bestow upon a member." The individuals' contribution to the profession and the society will be acknowledged in a public ceremony at the 1999 American Planning Association's Annual Conference.

Every year, more than 700 planners obtain their certification from AICP. As a certified

planner, AICP members use their knowledge and experience to help communities around the nation realize the dream of living in a better place. The APA/AICP recognizes some of the excellent work that planners initiate and implement through an annual awards program. The Fellow of AICP, however, is the first initiative of the Institute to highlight individual excellence. "Advancement to fellowship is one of the highest tributes the AICP can pay a member," said Sue Schwartz, AICP, Chair of the FAICP Task Force. This honor recognizes a planner's achievement in implementation of plans, administrative excellence in a public agency, professional writing or education, direct service to the AICP or the planning profession, and service to society as a whole. In return, the fellows will have the responsibility of mentoring young planning professionals.

All APA chapters can submit nominations for FAICP. The availability of nomination packages will be announced to all chapters. The anticipated date for the start of the nomination process is September 1998.

Arcata Marsh... *(continued from page 1)*

State Water Quality Control Board. Within two years, and after intense negotiations, the town received approval to proceed with a three-year pilot program to determine the efficiency of marsh-ecology to cleanse and enhance effluent.

If it could be shown that bay resources were improved through wetlands habitat expansion and restoration, as well as water quality, Arcata, under the "beneficial use" clause of the SWQCB's Bays and Estuaries Plan, could continue its discharge into Humboldt Bay. A task force (AMWSTF—Arcata Marsh and Wildlife Sanctuary Task Force) of agencies (US Fish & Wildlife Service; California Department of Fish & Game; California Coastal Commission; Audubon Society; Arcata City Council & Community Development Commission; a core group of private citizens; Humboldt State University Environmental Engineering faculty, and others) was formed in 1981. It was from this diverse coalition of interests that the final configuration of the marsh was developed. Participants played vital roles in different ways, yet the consensus from the task force was that the sewage facility would be developed for its "resource and recreational values."

Of particular importance to Arcata during the development of the marsh plan was the California Coastal Conservancy. The town had approached the CCC initially seeking support for its proposal to use constructed marshes to clean municipal effluent. While interested in the sewage treatment project, the CCC's reason to be involved was to promote and restore the historical freshwater coastal habitat of Arcata's waterfront. Charged with overseeing coastal land-use issues and conservation, the CCC saw the Arcata project as an opportunity to add restored freshwater wetlands to Humboldt Bay which industrial and agricultural reclamation had reduced from 1950 estimates of 6,500 acres, to then-current estimates of just above 600 acres.

Additionally, the CCC did not object to the use of municipal effluent in the marshes, if it proved to be an effective resource.

Therefore, in the late 1970s, the CCC supplied an incremental \$300,000 grant that allowed Arcata to move forward in developing the marsh system and provide public recreational access. The town purchased several waterfront parcels and installed trails, birdwatching sites, and visitor-service elements. Making the marshes accessible to the public was an important criterion, but even more of a priority for many of the conservation organizations was the creation of wildlife forage, shelter and nesting value for migratory birds. Because of this the marsh developed, as it had historically been, into an important stop-over on the Pacific flyway for a range of shorebirds, waterfowl, and raptors. This attraction alone draws thousands of birders to the marsh every year.

Dedicated in 1981, the marshes began to receive municipal effluent in 1986 and they have been in continual operation since. Effluent is pumped through the three-marsh system, the Gearhart, Allen and Hauser marshes (named for the professors and former mayor), handling over 2.5 million gallons of effluent a day with a capacity for 6 million gallons. Each enhance wastewater by reducing the BOD (biological oxygen demand) and the SS (suspended solids) to levels of 6, 8, and 10 mg per liter of water, far exceeding the state mandated levels of 30 mg per liter. The AMWS is a living composite of a conventional sewage treatment facility, biologically performing the same function mechanical facilities provide with aerators, churners, settling tanks and sludge digestors. The wastewater, nutrient rich in nitrogen and phosphorous, feeds the multitude of microorganisms that flourish in and among aquatic plants and soils. These in turn serve as food source for the insects and fish which form the forage

(continued on page 5)

JOBS

Executive Director

Sacramento Area Council of Governments

Salary DOQ

The Sacramento Area Council of Governments (SACOG), headquartered in Sacramento, CA, is seeking a proven local government executive to serve as Executive Director. SACOG is a regional planning agency that serves a diverse region of over 1.5 million people and 3,343 square miles. Currently, SACOG consists of 15 city and 4 county government members. The Agency has a total budget of \$4.9 million and a staff of 40.

The ideal candidate is a visionary leader who has extensive experience as a local government executive. Typical candidates include COG directors, city managers and county executives, as well as key assistants. Candidates must have excellent consensus building, communication and leadership skills, as well as a broad understanding of transportation and regional planning issues. A bachelor's degree in a relevant field is required. A master's degree is preferred.

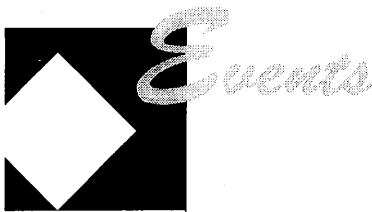
Competitive benefits package. Filing date is Friday, August 21, 1998. To apply, submit resume with three work related references and current salary to: Shannon Associates; 1601 Response Road, Suite 390; Sacramento, CA 95815. Tel: (916) 567-4280. Fax (916) 567-1220. Email: resumes@shannonassoc.com

CEQA Project Manager

Impact Sciences

Salary DOQ

Impact Sciences, a state-wide environmental consulting and planning firm, seeks a CEQA Project Manager for its growing San Francisco office. Main responsibilities are to lead CEQA studies and conduct marketing. At least 3 years experience required, advanced written and oral communication skills essential. Only professionals with initiative, team orientation, and enthusiastic attitude need apply. Send resume to Impact Sciences, 100 Bush Street #210, San Francisco, CA 94104, or fax to (415) 989-2450.



◆
**52nd NATIONAL
 PRESERVATION
 CONFERENCE**
 ◆

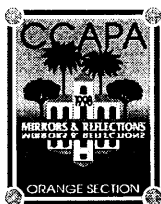
October 20-25, 1998
 Savannah, Georgia

*The Art and Economics
 of Preservation*

- More than 70 different sessions examining the interplay of historic preservation and the arts in revitalizing downtown and commercial districts, the use of economic tools such as heritage tourism and preservation revolving funds, stewardship of historic sites, plus much much more.
- Hands-on sessions at the Savannah College of Art and Design highlighting new technologies available to preservationists.
- Learn from Savannah's preservation struggles and successes and enjoy the beauty of the buildings, squares and landscape of one of our country's most historic cities.

REGISTER EARLY FOR DISCOUNTS AND SAVE!
 For Registration Information, Call the National Trust
 for Historic Preservation (800) 944-6847

Planning Professionals Cordially Invited to CCAPA 1998 State Planning Conference



At the newly remodeled
**ADoubleTree in Costa
 Mesa**, you'll enjoy being
 close to all the best that
 Orange County has to offer.
 The Conference will include
 a free Opening Night

Reception at a premier South Coast Metro
 location, over 90 sessions, an interesting
 keynote speaker, a really great beach party at
 Salt Creek Beach, a hands-on technology cen-
 ter, over 10 mobile workshops and numerous
 exhibits. You are guaranteed to have a good
 time, so register now!

DOUBLETREE HOTEL

Plan Ahead and Reserve the Dates Now

Wednesday, September 16 to Friday, September 18, 1998

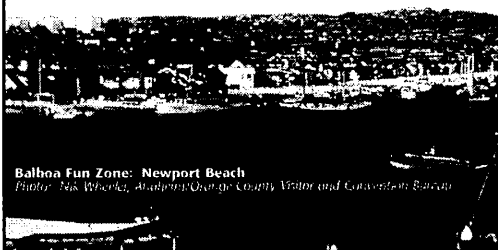
*Make your budget requests . . . because with your
 attendance, this is sure to be a meeting of great minds.*

The 1998 CCAPA Conference Committee
 is busy coordinating sessions that reflect
 the Conference theme of "**Mirrors and
 Reflections.**" Topics will include many
 hands-on-learning techniques, but will also
 include pressing planning and environmen-
 tal issues facing us throughout the State.
 Come hear the experts discuss
 Transportation, Housing, CEQA, Urban
 Design plus many other hot topics.

If you would like to learn more about the
 State APA and our Conference in Costa
 Mesa, please visit our website at
www.rain.org/~calapa for all the latest
 information. Registration information may be
 found in the latest *Cal Planner Magazine*.

**Don't Miss Out
 On Any of the Action!**

**For Registration
 Information, Call
 (949) 661-8175**



Balboa Fun Zone: Newport Beach
 Photo: Park Wholesaler, Anaheim; Orange County Visitor and Convention Bureau



CONFERENCE

REGISTRATION



AICP? Yes No

Your name as it is to appear on your badge _____

Spouse's Name (if registered) _____

Affiliation, Agency, Company or School _____

Check if you want child care information

Mailing Address _____

Student Verification: I certify that the student is currently enrolled full-time.

City _____ State _____ ZIP _____

Department Head Signature _____

Daytime Phone _____

School _____ Date _____

REGISTRATION FEES

Registration includes Opening Reception, Consultant's Dessert Reception, two breakfasts and two lunch meals at the DoubleTree Hotel, including the Keynote Lunch and Awards Lunch. One day registration includes breakfast and lunch meals provided on that day (Opening Reception too if on 9/16).

| Registration fees postmarked by: | 8/24/98 | On-Site | Totals |
|---|---------|---------|--------|
| APA Member | \$335 | \$355 | _____ |
| Nonmember | \$375 | \$395 | _____ |
| Spouse | \$160 | \$175 | _____ |
| Student | \$100 | \$110 | _____ |
| Planning Commission/City Council Member | \$265 | \$275 | _____ |
| One-day (circle one 9-16 9-17 9-18) | \$180 | \$190 | _____ |

ADDITIONAL SPECIAL EVENTS

Events

- Golf Tournament - Rancho San Joaquin Golf Course, Irvine (9/16) _____ x \$55 = _____
- Kayaking - Newport Back Bay (circle one: 9/16 AM, 9/16 PM, 9/17 AM, 9/17 PM) _____ x \$50 = _____
- 5K Off-Road Walk & Run - Newport Back Bay (9/16) _____ x \$15 = _____
- 50th Anniversary Beach Party Bash (9/17) _____ x \$20 = _____
- Newport Bay Cruise (9/18) _____ x \$30 = _____

Mobile Workshops

- MW1** What's Up at UC Irvine _____ x \$15 = _____
- MW2** Disneyland Expansion _____ x \$15 = _____
- MW3** Edison Field (Angel Stadium) Renovation _____ x \$15 = _____
- MW4** "Old Towne" Orange National Historic District _____ x \$15 = _____
- MW5** Santa Ana's Downtown Arts Community _____ x \$15 = _____
- MW6** Irvine Entertainment Center; The Irvine Spectrum _____ x \$15 = _____
- MW7** The Nature Reserve of Orange County _____ x \$15 = _____
- MW8** Bolsa Chica Wetlands Restoration and Planned Community _____ x \$15 = _____
- MW9** Water Reclamation & Recycling Facilities _____ x \$15 = _____
- MW10** Urban Oasis in North Orange County _____ x \$30 = _____
- MW11** Eastern Transportation Corridor _____ x \$15 = _____
- MW12** Crystal Cove State Park and Undersea Reserve _____ x \$15 = _____

Extra Tickets

- Opening Reception (9/16) _____ x \$20 = _____
- Breakfast on Thursday or Friday (9/17 or 9/18) _____ x \$20 = _____
- Keynote Lunch (9/17) _____ x \$30 = _____
- Awards Lunch (9/18) _____ x \$30 = _____

Special Events Subtotal: _____

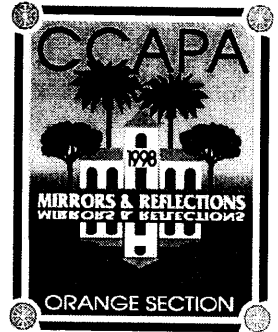
TOTAL ALL REGISTRATION & SPECIAL EVENT FEES:

Visa and Mastercard accepted.

Please charge \$ _____ to my Visa Mastercard Expiration Date _____

Credit Card # _____

Signature of Card Holder Required Here _____ Date _____



Registration Instructions

- Please type or print in black ink.
- Use separate form for each registrant.
- Payment must be received to process registration.
- For registration inquiries, call Larry Lawrence at (949) 661-8175
- For information on mobile workshops, call Mary Ann Chamberlain at (714) 556-1395.

MAKE HOTEL RESERVATIONS EARLY

- For information on exhibiting and sponsorship call Ron Pflugrath at (949) 489-8131.
- For information on sessions, call Larry Yenglin, AICP at (714) 667-2724.

THREE CONVENIENT WAYS TO REGISTER:

- Mail check (payable to CCAPA) with registration form to:
1998 CCAPA Conference
P.O. Box 14505
Irvine, CA 92623-4505
Attn: Registration
- Fax registration form, including credit card information to:
Michael Robinson
(714) 754-4856
- Visit the CCAPA Conference Web site to download registration form:

<http://www.rain.org/~calapa>



If you require special accommodations, please contact CCAPA Conference Registration at (949) 661-8175



Three positions at Brady/LSA, Berkeley:

• Environmental Project Manager

Seeking highly-motivated PM with 3-5 years progressively responsible experience overseeing CEQA/NEPA documents. Excellent writing/word processing, quantitative/spreadsheet and presentation skills. Must be able to manage multiple projects, perform technical analyses, meet deadlines and effectively manage project budgets. Able to serve in role of mentor to less-experienced staff and work effectively in fast-paced, professional environment. Experience in marketing and supervision of proposal preparation desirable.

• Environmental Planner

Seeking one or more urban/regional planners or environmental planning generalists, 1-3 years experience w/ CEQA/NEPA planning projects. Must have bachelor's degree in planning, environmental science, natural resources, or related discipline. Could transition into project management over 1-2 year period.

• Graphics Assistant

Seeking graphics assistant to prepare maps, plans, and other illustrative graphics for planning and environmental impact documents and marketing materials. Also involves report production, administrative tasks. Computer skills should include Illustrator and Pagemaker.

Brady/LSA is an employee-owned company w/ excellent benefits. EOE. Salary DOQ.

Resume to: David R. Clore, AICP; Brady/LSA; 2215 Fifth St., Berkeley, CA 94710.

Associate Planner

City of Menlo Park

Salary DOQ

The City of Menlo Park is seeking a professional planner for a variety of work assignments primarily in the development review process. This is a newly created position. The ideal candidate must be a self starter and team worker, have design experience and proficiency in continuously refining operations for customer friendly procedures. Qualifications: equivalent to Bachelor's Degree with major work in planning or closely related field and three years of progressively responsible experience. Possession of Master's Degree in Planning or related field may be substituted for one year of required experience. We seek people who value high work ethics, are flexible and possess a "can do" attitude.

Apply by August 28, 5:00 pm. Application packet available from City of Menlo Park Personnel Division, 701 Laurel Street, Menlo Park, CA 94025. (650) 858-3370. EOE. M/F/V/D.

Planner II (2 positions)

Santa Clara County

Salary DOQ

Santa Clara County Planning Office seeks applications from highly talented individuals to fill two full time permanent Planner II positions in its Comprehensive Planning Section. These positions provide rewarding opportunities to contribute individually and as a team member on challenging projects involving inter-jurisdictional cooperative planning, natural resources and agriculture preservation and housing issues among others.

The ideal candidate should have a solid background in regional and city planning principles, effective written and oral communication skills, demonstrated consensus building and strategic thinking capabilities and experience in data analysis and dissemination. Requires degree in Planning or closely related field and 2 years planning experience, for which a Masters Degree in Planning or related field may be an acceptable substitute.

Obtain application and detailed informational flyer from Santa Clara County Department of Human Resources, 70 W. Hedding St., Lower Level, East Wing, San Jose, CA 95110. Tel: 408/299-2341. Filing period: July 29 to August 28, 1998.

Dyett & Bhatia

San Francisco-based planning firm has the following positions:

• Senior Environmental/Land Use Planner

The candidate will build the firm's environmental planning capabilities, participate in business development efforts, lead and manage program EIRs, and contribute to long-range land use planning assignments. Requires substantial prior experience and appropriate academic qualifications.

• Planner/Urban Designer

The candidate will work on long-range public sector assignments, including land use planning and station area design for new light rail systems nationwide, and general and area plans. Position requires excellent design, drawing, and writing skills.

To apply to these positions, fax resume to (415) 957-2944 or mail to: Dyett & Bhatia, 70 Zoe Street, San Francisco, CA 94107. Salary DOQ.

Arcata Marsh...

(continued from page 4)

foundation for fish-eating birds and mammals.

Qualifying as an "innovative and appropriate solution" use under the federal CWA standards, the AMWS has won numerous Coastal Conservancy design awards as well as the Ford Foundation's 'Innovations in Government' award in 1987. Its success can be measured on many levels: as a high-profile municipal planning design, a cost-effective public utility operation, an urban redevelopment plan, and a natural resource restoration project. It has succeeded as all of these. Total construction costs came to just below \$700,000—nowhere near the expense estimated at \$9 million for a conventional facility. Ratepayers enjoy rates comparable to those receiving conventional sewage service, yet receive a spectrum of benefits from the variety of recreational options of hiking, biking, birding and boating.

Sewage treatment is a vexing dilemma facing all planning authorities. Since the Roman construction of the Cloaca Maxima, i.e., the Great Sewer, the disposal of human waste has presented formidable, complex problems. Conventional sewage treatment facilities, or "supersewers", only partially solve municipal wastewater problems. A case in point is San Francisco's 50-foot-wide outfall pipe which pumps "billions of gallons of partially cleansed effluent 4 1/2 miles into the Pacific Ocean, where it can dissipate offshore." This facility, after 20 years of delays, construction flaws and excess costs, sports a price tag of 900 million taxpayer dollars.

The Arcata model offers an alternative to costly and inefficient sewage treatment practices. It shows that by thoroughly incorporating and reconciling divergent needs and services, towns can parlay regulatory demands into extraordinary solutions.



Announcing the Publication of...

Fifty Years of City and Regional Planning at UC Berkeley: A Celebratory Anthology of Faculty Essays

This 500-plus page book surveys the state of city planning, education, practice and research, and includes a history of the Department of City and Regional Planning at UC Berkeley as well as the practice of planning throughout the nation. Published in celebration of DCRP's Fiftieth Anniversary, this book includes essays and articles by 48 past and present DCRP faculty contributors, including Manuel Castells, Robert Cervero, Peter Hall, former Berkeley Chancellor Ira Michael Heyman, Allan B. Jacobs, AnnaLee Saxenian, Michael B. Teitz, and many others.

Copies of the book are available from DCRP, 228 Wurster Hall, UC Berkeley, Berkeley, CA 94720-1850. Books can also be ordered by phone: (510) 642-3257, or via e-mail at nkeita@uclink.berkeley.edu.

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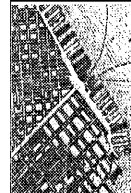


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NORTHERN SECTION CALENDAR

August

- 21 North Bay RAC Brown Bag Lunch and Transportation Forum, Petaluma
- 27 South Bay RAC/AEP August Program

September

- 3 NSCCAPA Board Meeting, Oakland
- 16-18 1998 CCAPA Conference, Costa Mesa

And...Mark Your Calendars:

October

- 16 Housing Symposium, Oakland
All-day Symposium at ABAG Auditorium
(more information in September's *Northern News*)

| AUGUST | | | | | | |
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| SEPTEMBER | | | | | | |
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Board Meeting Location

NSCCAPA Board meetings are held at ABAG Headquarters, located within the Bort MetroCenter at the intersection of 8th and Oak Streets in Oakland, adjacent to the Lake Merritt BART Station. Other 1998 meeting dates are: July 9, September 3, and November 5. All interested are welcome at these meetings!



Northern News

EDITORIAL OFFICE

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