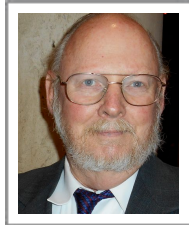


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President's Notes

Edward A. Schlotman

I am writing this article in early December, just after a large winter storm dropped lots of water on Southern California. I'm sure it will help a lot in the short term, but what about the long-term which must concern us all? My guess is probably not too much help, if any. Los Angeles and Southern California have no choice but to look to remote resources. For a long term water supply we look to Northern California and the State Water Project to bring water south. We look to the Colorado River to bring water west and we also look to the Owens Valley to help fulfill the needs of the people of Los Angeles.

I suspect by the time you read this we will all have seen pictures of low reservoirs. Hopefully we will have a wet December and that will help fill some of those reservoirs but if not and even if so what do we do for the long-term? Who is affected by the lack of water in Southern California? Your friends and neighbors the 4 million people in the City of Los Angeles who are part of the 10 million people in the County of Los Angeles. (Continued on page 2)

W&P ASSOCIATES BOARD LUNCHEON



State and Regional Water Issues:

A Dialogue with

The Honorable Former California State Senator
Denise M. Ducheny

Guest Speaker at our January 14 Board Meeting.
We invite you to join us.

Senator Ducheny was a leader in the fight to implement welfare reform, encourage renewable energy projects, insure a reliable water supply for both agricultural and urban users, build farm worker housing, and in promoting projects to restore the Otay River Valley, the Tijuana River Valley Estuary, the New River, Paradise and Chollas Creeks, and the Salton Sea.

During her years in the State Legislature she also served on the California State Coastal Conservancy, the Workforce Investment Board, the K-12 Curriculum Commission, and numerous Legislative Policy Committees, including Judiciary, Water, Agriculture, Environmental Protection, Transportation, and Housing. She is currently a consultant to the Department of Water Resources (DWR) on Bay Delta Conservation Plan (BDCP) community outreach.

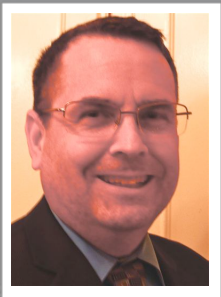
Wednesday, January 14, 2015

11:00 a.m. ~ 1:30 p.m. at Taix Restaurant
1911 Sunset Boulevard Los Angeles, CA 90026

RSVP by January 8, 2015. Luncheon cost: \$30;
Check your mail for rsvp forms or contact us at
comments@waterandpower.org for information.



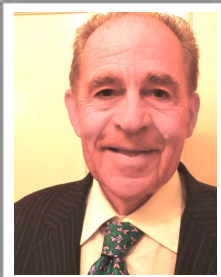
Water and Power Associates, Inc. is a non profit, independent, private organization incorporated in 1971 to inform and educate its members, public officials and the general public on critical water and energy issues affecting the citizens of Los Angeles, of Southern California and of the State of California.



Andrew L. Linard, P.E.
Los Angeles Department of
Water And Power
Managing Water Utility
Engineer, Water Engineering &
Technical Service Division.



David R. Pettijohn
Los Angeles Department of
Water And Power
Director of Water Resources



Mark Pisano
Professor of the Practice of
Public Administration
Sol Price School of Public Policy.
University of Southern California
Ralph and Goldy Lewis Hall



Brent M. Yamasaki, P.E.
The Metropolitan Water District of
Southern California
Section Manager
Water Operations and Planning
Section
Water System Operations Group

Thanks

President's Notes

(Continued from page 1)

What is anybody doing to provide a long term water supply not just for the City and County of Los Angeles but for all of Southern California which is after all a semiarid region and probably will always be so. I'm sure some of our friends in the North would hope we would just go away. but that's not going to happen. All of us have to deal with the reality of the situation and moaning about whose water it is does not help anyone.

It belongs to no one and it belongs to everyone. We are one people, one State. We are all Californians. So what is anyone doing to meet the long term water needs of all of California, all 39 million of us?

I would be most interested to know. I suspect what people as individuals are doing by and large is doing good. I hope so anyway. Are the major users, agricultural and industrial and manufacturing interests also doing good? Again I hope so. And if so what do we do in the long term, turn everybody's yards into desert scapes? I'll bet that saves a lot of water. Will we finally have the incentive / necessity to turn to desalinization?

What are your thoughts and suggestions? I am most interested to know. None of us have a monopoly on good ideas. Think about it and if someone has a good idea send it out for all to see. ❁

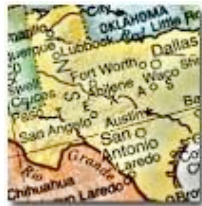


ON THE EDGE: *Water, Immigration, and Politics in the Southwest*, by Char Miller.
 San Antonio: Trinity University Press, 2013. 250 pp. Notes. Paper, \$17.95. www.tupress.org.



Char Miller, W.M. Keck Professor of Environmental Analysis at Pomona College, reflects on his career as an environmental historian in a series of short essays that cover three phases of his life in the West—as a student at Pitzer College in the 1970s, a long tenure at Trinity University in San Antonio, and since 2007, at Pomona College. The 43 essays in this book examine his sense of place, history, and environmental challenges, including fire, flood, and alterations (or, if you will, destruction) of the environment.

The first third of the book describes the growth of San Antonio, Texas, from its modest origins in the early 19th century through its becoming a major city with a population of more than 1.3 million. Arriving there in 1981, Miller witnessed bulldozers tearing down old homes to build new housing developments, construction of freeways, and other alterations that dramatically changed the local landscape. San Antonio made its fortune from the huge Edwards Aquifer and simply ignored the problems inherent in a growing population using a finite water source. San Antonio acquired a reputation as one of the biggest water hogs in the West. The overuse proved unsustainable, and with federal regulations demanding long-term water strategies, the city established the San Antonio Water System and



instituted overdue conservation measures. Unfortunately, in recent years the city has “backslid to such an extent that the time seems ripe for another legal challenge” (p. 84). If San Antonio wants a sustainable water system, it needs to stop pumping and start piping it in—and paying for it.

Other essays deal with breached levees, hurricanes, megastorms, and other natural disasters that have hit the Gulf Coast. Miller then switches to the problems concerning illegal immigration, the injustices in its enforcement, and the danger done to the environment in the name of securing the U.S.-Mexico border in Texas. Chain-link fences, concrete walls, and trenches, have created images that “evoke nothing so much as the Berlin Wall” (p. 136).

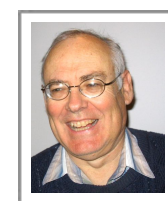


The last part of the book deals with Miller’s return to southern California and his views of the impact of a large urban population on the region’s natural environment. His essays describe the fires, floods, earthquakes, and the promises of politicians. Miller takes a very critical look at former Los Angeles Mayor Antonio Villaraigosa’s Million Tree Initiative, asking the questions the mayor failed to consider in his proposal. If tree seedlings were freely distributed to people, who would then count the trees that were actually planted and then survived? How much

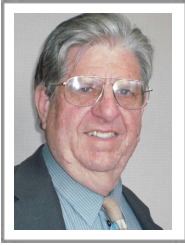
of the city’s precious water would be expended in nurturing the trees? And which species of trees would be planted in a semi-arid region? What about quality of soil? “The whole scheme resembled a shell game,” Miller regretfully observes (p. 205).

Miller’s concluding essays comment on developers who have been allowed to construct large numbers of homes in places where they don’t belong, such as floodplains and foothills, areas that are vulnerable to fire and flood. Miller is convinced that engineering a terrain with dams and flood control channels will not solve the risks involved in disrupting the natural environment. He quotes John Tettemer of the state’s Department of Water Resources: “We should stop building things where they do not belong and leave a little room for nature” (p. 233).

Being divided into so many essays makes this an easy book to read, and hopefully those who read it will take the time to think about Miller’s concerns on how society has disrupted the environment. ❁

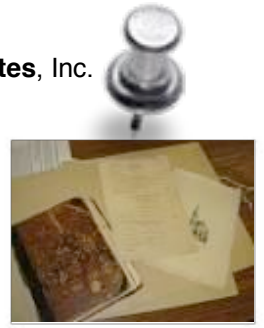


Abraham Hoffman teaches history at Los Angeles Valley College.



By Gerald A. Gewe

THE LADWP Historic Record



The Water and Power Associates (Associates) are highly interested in seeing an accurate historical record of the Los Angeles Department of Water and Power (LADWP) and its activities preserved and made readily accessible to scholars and the general public. The historical record is contained in artifacts, documents and photographs that have been generated through the Department's activities.

There have been many misrepresentations and inaccuracies in references to the activities of LADWP over the years. There has been a tendency for these inaccuracies to be repeated in later references and become accepted as fact in the public perception of LADWP. Often the Department has not been given proper credit for its role in the development and growth of the City of Los Angeles. In order to make historical records available, one first step the Associates have taken is the development of the Virtual Museum contained within the Associates website (www.waterandpower.org), under the Museum tab. If you have not yet visited the virtual museum, We strongly encourage you to do so. You will find it fascinating.

A little over a year ago the Associates established a Historical Record Committee (Committee) to work with LADWP management to develop a structure and processes that will ensure that the historical record of LADWP is preserved and made



accessible to all.

As a first step the Committee hired a consultant, Linda Vida, who had been the archivist for the University Water Library previously located at UC Berkley. Linda was responsible for the relocation of that Library to UC Riverside. Linda assisted the Committee by performing an evaluation of the current activities of LADWP (which is being conducted as part of the



Records Management Program) and providing suggestions

on what needs to be evaluated for developing a more robust program.

Currently the program is focused on making digital copies of the documents that have been identified as historical documents within the LADWP's document management system. It is our understanding that about half of the documents have been scanned, although scanning many of the remaining documents will be more challenging as they exist as bound or oversized documents. The ultimate goal is to make these documents searchable and available through the LADWP website once a new-generation website that can better handle those activities is operational. It will be several years before this is fully functional, but plans are moving forward.

LADWP has also initiated efforts to catalogue and protect the many artifacts that are scattered throughout the Department's facilities. **Volunteers are needed to help**

develop information on what many of these items are, how, when and where they were used, and the items' significance. The committee wishes to develop a list of volunteers who would be willing to periodically receive an e-mail with pictures of 10 to 20 artifacts that they can review and share their knowledge regarding those with which they are familiar. If you are willing to participate in this effort, please contact Jerry Gewe at jgewe@hotmail.com and indicate your interest.

LADWP is also seeking to enhance an exhibit within the El Pueblo Historical park [Olvera Street], illustrating the Department's role in the founding of Los Angeles. This exhibit would focus primarily on the period through the 1930s (consistent with El Pueblo's strategic focus) with the possibility of including a rotating component to cover other events and/or items of current interest. The Committee has suggested that the exhibit include computer capability which would allow visitors to access internet information regarding LADWP, such as the [California State University at Northridge] CSUN website, the Associates' website and the historical portion of the LADWP website (once it is available).

It is our hope that making these types of resources available will allow students and the general public to receive a more balanced presentation, and gain a greater appreciation, of the activities and contributions of LADWP in the founding and development of the City of Los Angeles. : ❁



By Jack Feldman,
Webmaster



Have you visited our website lately? Ongoing additions and updates are continually being made by Webmaster, Jack Feldman. Check out the links to the new and revised sections of the W&PA Virtual Museum:



History Mystery

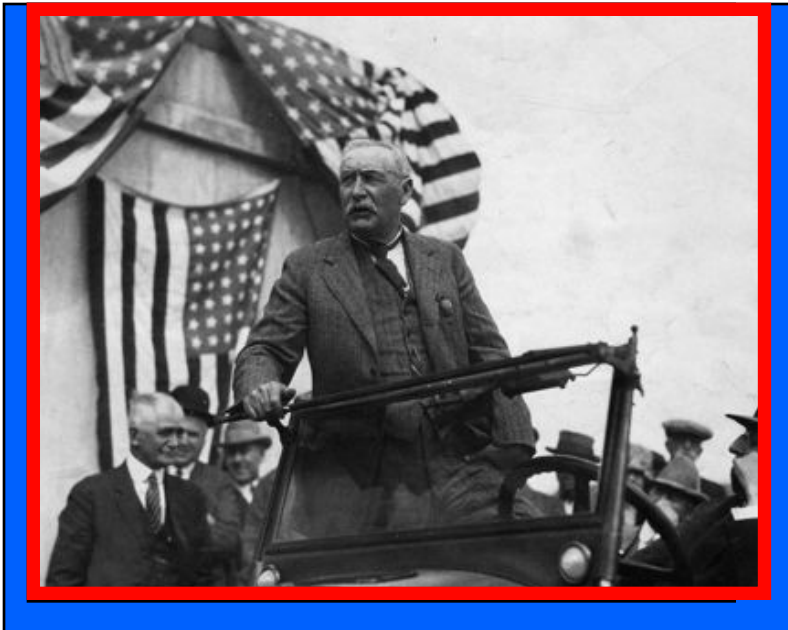
New Section

http://waterandpower.org/museum/Early_Municipal_Water_and_Power_Advertisements.html - A series of nine display advertisements published in the Los Angeles daily newspapers in 1929.

Revised Sections

http://waterandpower.org/museum/A_Second_Aqueduct.html - Revised to include new material from the LADWP Historic Archive including 1970 vintage photos with Former General Managers Edgar Kanouse, Robert Phillips, and Former Assistant General Manager Duane Georgeson.

http://waterandpower.org/museum/Construction_of_Hoover_Dam.html - Revised to include new material and photos from the LADWP Historic Archive.



This often seen photo of William Mulholland standing in an early model car, with American Flags and Banners in the background, was taken at the opening ceremony of a new facility.

What are the name and location of this facility? _____

(Hint: The year was 1925).

Answer can be found at: http://waterandpower.org/museum/Mystery_History.html



Available for Members

Send your request to dormfull@att.net



Articles submitted by
Thomas J. McCarthy

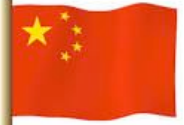
POWER

FERC Sets Regional Conferences on Climate Rule's Reliability Impacts



The Federal Energy Regulatory Commission (FERC) said Wednesday [12/10/14] it will hold four technical conferences to delve into implementation and reliability concerns tied to the Environmental Protection Agency's (EPA) proposal to cut carbon emissions, a move that was quickly celebrated as a win by Republican lawmakers and regulators. FERC said it will convene the first meeting, the national overview technical conference, at its Washington, D.C., headquarters starting Feb. 19 to examine whether state regulators have the right tools to detect reliability or market issues and strategies for complying with EPA rules while coordinating with the markets that FERC oversees. "FERC Chairwoman Cheryl LaFleur said in a statement that the commission 'clearly has a role to play' in ensuring that the nation's energy markets and infrastructure adapt to support states' compliance with the EPA proposal and said the conferences will provide an opportunity for regulators to hear from a wide range of stakeholders," Environment & Energy Publishing reports. ❀

China Offers Billions to Subsidize Electric Cars on Gas



China's ambitious plan to lower pollution by adopting 5 million electric cars is running into a problem -- a lack of charging stations. "While a dearth of charging stations is holding back adoption of electric vehicles worldwide, the problem is particularly acute in China because the country has pledged to slash greenhouse emissions and cut a reliance on imported oil, while keeping domestic carmakers competitive amid an industry shift away from conventional gasoline-powered vehicles," Bloomberg reports. ❀



EPA May Miss Deadline on Climate Rule

The Obama administration is on the verge of missing its January deadline for finishing a landmark regulation, aimed at throttling carbon pollution from future power plants, in the president's climate agenda. Supporters of the regulation insist the delay doesn't imperil the effort, but it comes just as the GOP is about to take control of the Senate. "The EPA has a Jan. 8 [2015] legal deadline to finish the regulation, but people closely following the rule think the agency could miss that date by months," Politico reports. ❀

Warren Buffett putting his stamp on smart grid technology

There is a good reason Warren Buffett's name seems to be turning up everywhere in the energy sector. When he bought Nevada utility NV Energy last year, he said there would be further energy acquisitions. Already heavily involved in solar and wind power, his Northern Grid Power Holdings Co. is wrapping up a home energy management pilot project with Siemens in the UK.

The pilot, referred to as the Customer-Led Network Revolution, is based on automation technology capable of managing when consumer appliances are used. With 12,000 UK households participating, the pilot project allows residents to choose to turn on their appliances at the best times, or let Buffett's technology make those choices.

The point is that if utilities can more directly control electricity demand, they are less likely to invest in more equipment and generation. Also, that capability can

be a buffer to shield the grid from fluctuations in power output from intermittent renewable energy sources such as wind and solar.

"To integrate renewables in a cost-effective way, you need to integrate both grid-level technologies and end-user facing technologies", said Colin McKerracher, New Energy Finance smart technologies senior analyst in an interview with *Renewable Energy World*.

As Ian Loyd, Northern Power Grid Holdings head of network research put it, the program puts customers in a position to modify their energy consumption in a way that supports distribution network operations. While programs to persuade energy users to modify their behavior is not a new concept, Buffett's pilot is said to be one of a very small number in the world. ❀



Credit: Wikimedia Commons/Mark Hirschey

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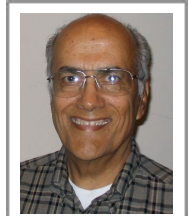
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❀



*Carlos Solorza,,
Membership Chair*



The Water And Power Associates, Inc.

Annual Membership Meeting

will be held Saturday, February 14, 2015

10:00 A.M. ~ Noon

L.A. DWP John Ferraro Building

111 North Hope Street ~ A Level

Los Angeles, CA 90012

All members are invited to attend.

Parking: Enter Gate 6 on Hope Street.
Bring DWP or photo I. D. for access
to both the parking lot and the building.

&

If you have artifacts or documents you
would like to share, Bring them along.

POWER

POW Climate Talks
Yield Plan to Spread
Burden of Emission
Cuts

The U.S. and other wealthy countries persuaded their developing-nation peers to advance a framework that for the first time would spread the burden of economically painful emission cuts across all nations. "The compromise reached early Sunday at climate talks in Lima, part of negotiations aimed at reaching a final, comprehensive climate pact next year in Paris" would require every country to submit plans for cutting their carbon footprints in the coming months. The final deal being negotiated would be a departure from earlier agreements that put the responsibility of such cuts only on highly industrialized countries," the Wall Street Journal reports. ❀

U.S. Energy Boom's
Other Winner: Utilities

Utility executives say new or expanding manufacturing plants tied to the U.S. energy boom are increasing demand for electricity, reversing years of stagnant power use in the United States. Entergy Corp. Chief Executive Leo Denault said his company is witnessing "a renaissance in the industrial South" as heavy manufacturing returns to take advantage of abundant U.S. fuel supplies that are bringing down prices for natural gas and electricity, the Wall Street Journal reports. American Electric Power also said eight of 10 industrial sectors it serves consumed more electricity in the third quarter than a year earlier. AEP Chief Executive Nick Akins said industrial spending leads to job creation and new-household formation, both of which stimulate power demand. ❀



Expert Says Cyber Legislation
Not Necessary for Private-Public
Information Sharing

The energy industry does not need legislation to adequately share cyber and physical security information, a North American Electric Reliability Corp. (NERC) official said at an event **Thursday** in Washington, D.C. "Opportunity certainly exists in the legislative arena, but we do have presently a fairly robust developing ability to share," said Fred Hintermister, who works at NERC and manages the electricity subsector information-sharing and analysis center, known as ES-ISAC. "As we work through those issues, to increase sharing, to feed analysis to result in better mitigation and better sector level coordination as well as posturing from operators, it's important to keep in mind that the soft issues count. The institutional issues count." While, Federal agencies and utilities already share information, many say legislation is needed to give companies more liability protections when they share those details. ❀

Water and Power Associates, Inc

is a non profit, independent, private organization
incorporated in 1971 to inform and educate
its members, public officials and the general public
on critical water and energy issues affecting
the citizens of Los Angeles, of Southern California and of
the State of California.

