

YOLO COUNTY CLIMATE CHANGE SUMMIT

December 17, 2007

MINUTES AND NOTES

WELCOME AND INTRODUCTIONS

Yolo County Supervisor **Matt Rexroad** convened the meeting promptly at 9:00 am by welcoming attendees (see list, attached) and introducing **Gary Sandy**, Director of Local Government Relations for UC Davis, the host of the meeting, who also welcomed participants.

Supervisor Rexroad explained that Yolo County was developing a plan for programs and activities to respond to climate change, beginning with an examination of the county's own buildings and vehicles, and plans to conduct public forums throughout the county to collect citizen input into the plan. Supervisor Rexroad also explained that there was no expected outcome from this summit meeting, other than to share information.

REPORTS FROM EACH JURISDICTION

YOLO COUNTY

Ray Groom, Director of General Services reported that the Yolo County Board of Supervisors had joined the "Cool Counties" coalition, that staff had completed an audit of energy use in county buildings and vehicles, and that the county has been accepted into the California Climate Action Registry. The Board of Supervisors has endorsed a goal of a 10% annual reduction in energy use for the next 5 years. The county has also entered into a partnership with Professor **Deb Niemeier's** engineering class to analyze the county's energy usage and make recommendations to reduce that usage. **Heidi Tschudin** reported that the issue of climate change will be incorporated into each element of the county General Plan.

UC DAVIS

Sid England reported that the Regents of the University of California had established aggressive goals and policies to reduce carbon emissions from each of the 10 campuses, and UC Davis was actively engaged in developing policies and programs to meet these goals, including: establishing new purchasing policies, working with vendors of scientific equipment to reduce energy consumption of this equipment, establishment of a "zero waste" goal by 2020, enhancing recycling programs, a composting project, grants to students for sustainability efforts, and establishment of a UC Sustainability Committee. Mr. England provided handouts (see attached) that summarize UC Policy Guidelines for Sustainable Practices, and indicate links to web sites for UC Davis sustainability and academic programs. **Camille Kirk** provided information on the "Focus the Nation" program scheduled for January 31, 2008, and Professor **Kate Scow** described the Global Warming Project to bring climate change curriculum to junior high school science classes.

CITY OF WEST SACRAMENTO

Mayor **Christopher Cabaldon** reported that West Sacramento had been one of the first cities to join the Mayor's Climate Change Initiative, that the city council had adopted the "greening" of the city as one of its four primary goals, was developing an inventory of its current energy usage, and expected to complete a comprehensive climate action plan in 2008. He also briefly described efforts at the Port to reduce carbon emissions and install renewable energy production systems. Also discussed was the city's "Partnership on Prosperity" effort to bring green economic development to the city, the city's participation in the "Blue Print" process, and the push for a more expansive and accessible public transportation system, including street cars. The city is also examining "Neighborhood LEED" standards and is examining its General Plan with respect to energy usage and climate change.

CITY OF WINTERS

Mayor **Woody Fridae** and City Manager **John Donlevy** reported that the city had established a "Blue Ribbon" committee and was conducting an audit of its buildings and vehicles to determine its carbon footprint. They also indicated that 33% of the Winters fleet vehicles are electric or hybrid, that the city has established a requirement that all new housing developments include a minimum of 50% of the units with photovoltaic energy systems, and that 100% of the units be "solar ready." A LEED Platinum zero-energy home will be included as a model home in new development. The city has also initiated a "single stream" recycling program and is creating an E.A.R.T.H. program (Earth, Agriculture, Recycling, Transportation, and Housing) as an umbrella to coordinate all city projects. They are also considering water metering, increased use of bike lanes, and a policy to require that public transportation be available within 2 blocks of all new homes. They are updating their General Plan, including consideration of adding an Environmental Element, and plan a substantial public education campaign.

CITY OF DAVIS

Councilmember Stephen Souza and Sustainability Coordinator Mitch Sears reported that many projects (such as water metering, a network of bike paths and lanes, and solar water heating) were underway, and that the city was taking advantage of its history in this regard to measure the effectiveness of each program. The city has adopted an agricultural mitigation ordinance that requires 2 acres of land set aside for each acre developed, and has been sequestering carbon through an aggressive city tree planting program. The city council has adopted a goal of reducing its carbon footprint and has established a 5-step process to accomplish this: (1) conduct an inventory of energy usage; (2) set specific targets for both the amount of reductions and the dates by which these are to be accomplished; (3) construct a plan to meet these targets; (4) implement the plan, and; (5) monitor and assess progress. Step 1 will be completed in January, a goal of 80% reduction by 2050 has been established, and the city council has recently established a citizens Climate Action Team and a Science Advisory Team to assist in developing the plan to meet the targeted reductions.

CITY OF WOODLAND

Vice Mayor Skip Davies indicated that the city has implemented several programs to reduce energy usage and greenhouse gas emissions, and are in the process of establishing an Energy Committee to coordinate these programs, and have an Environmental Resources Analyst to assist and provide support

for energy efficiency efforts. They have instituted a “green waste” program and are examining their General Plan to determine appropriate additions in response to climate change.

NOTE: Supervisor Rexroad called on **Tom Sweet**, representing the Finance Corporation of the California State Association of Counties, to describe and discuss programs to encourage local governments to adopt and implement “green purchasing” policies. CSAC Legislative Analyst **Cara Martinson** provided an update on CSAC legislative activities related to local government and climate change.

WINTERS JOINT UNIFIED SCHOOL DISTRICT

Gary Cook Director of Facilities, Maintenance, and Operations indicated that their district building programs had been guided by the energy efficiency requirements of Title 24 of the State Administrative Code and that they were planning construction of a joint use library that would feature cutting edge energy efficiency technology. They have instituted single stream recycling in their schools, participate in the Safe Routes to School program, and have hired crossing guards to encourage walking and cycling to school.

WOODLAND JOINT UNIFIED SCHOOL DISTRICT

School Board member Carol Souza Cole reported that the WJUSD had initiated a school bus replacement program, that schools were actively involved in planting trees, that each school site has a recycling program, and discussed a cogeneration project in conjunction with a swimming pool.

DAVIS JOINT UNIFIED SCHOOL DISTRICT

Newly elected school board member **Richard Harris** described his 7-point “Green Schools Initiative;” (1) Green by example; make school buildings energy efficient; (2) Green Ribbon Committees; establish a district-level committee to oversee the initiative; (3) Green Team; establish a team of teachers, staff, students, and parents at each school site to develop a school specific plan; (4) Green training; provide training for staff and teachers, and; (5) Green Partnership; work with the university, PG&E, and others in the community to implement programs. **Rachel Milbrodt**, the Energy Education Manager for the DJUSD, described her efforts to provide a focal point for energy efficiency in the schools, as well as to encourage behavioral changes in staff, faculty, and students.

DISCUSSION

Supervisor Rexroad opened the floor to discussion. Subjects discussed included:

WHAT IS THE DIFFERENCE BETWEEN THE ICLEI AND CALIFORNIA CLIMATE ACTION REGISTRY (CAR) PROCEDURES?

Both programs result in an audit of energy use and establishment of a baseline against which programs to reduce that usage can be measured. The ICLEI is generally a one-time audit of energy usage and is less rigorous, but more flexible than the CAR process. The Climate Action Registry requires use of a verifiable audit methodology and requires annual update. The question was asked whether any state or federal grants are available to local governments to conduct energy audits.

CAN LOCAL GOVERNMENTS LEVERAGE VENDORS, BUILDERS, AND OTHERS WITH WHOM THEY CONTRACT TO ADOPT ENERGY EFFICIENCY MEASURES?

UC Davis indicated that it has established a Strategic Purchasing Program and bid specifications to require that vendors provide “green” products, such as paper, computers and other electronic devices, toner, cleaning products, etc.

It was mentioned that higher mileage and hybrid vehicles often cost more than “regular” vehicles, and that an agreement amongst the jurisdictions to jointly purchase vehicles might, because it would involve a greater number of vehicles, result in a price break that would eliminate this cost differential and make it more economical to purchase higher mileage or hybrid vehicles. Some jurisdictions now use a similar approach to reduce the cost of fire trucks, and the City of Austin, Texas organized other cities and schools to pledge to purchase hybrid vehicles in order to achieve significant cost advantages for purchasing in bulk.

Yolo County indicated that it shares some heavy equipment with neighboring Solano County, thereby offsetting the need for more of these vehicles.

It was also pointed out that, in terms of construction projects, local governments can require green practices by firms that build their buildings.

DOES ANYONE KNOW IF IT IS POSSIBLE TO REQUIRE THAT BUILDINGS YOU LEASE MEET CERTAIN ENERGY EFFICIENCY STANDARDS?

Jurisdictions can impose requirements in contracts to lease space, assuming the person or firm that owns the building agrees. In general, requiring upgrades to retrofit existing buildings is a difficult proposition and may limit the number or type of buildings available to the jurisdiction.

WOULD PG&E BE INTERESTED IN A PARTNERSHIP TO PROVIDE FUNDS FOR ENERGY EFFICIENCY PROJECTS?

It was pointed out that in Sacramento County each of the cities was going through a process to audit their energy use, and that SMUD was paying for these audits. James Morante, PG&E Government Relations, was present at the meeting and indicated that PG&E was very interested in partnering on energy efficiency programs, though he could not commit to a specific program at this meeting. He also mentioned PG&E’s “Green Light” curriculum for schools, and the state’s “Take it Back” program to encourage businesses and others to participate in recycling compact fluorescent light bulbs.

COULD THE NEW SCIENCE ADVISORY COMMITTEE BEING FORMED BY THE CITY OF DAVIS ALSO PROVIDE ASSISTANCE TO OTHER CITIES AND SCHOOL DISTRICTS?

This was a generally popular idea with meeting participants, and UC Davis and City of Davis representatives indicated an interest in exploring this further.

MISCELLANEOUS DISCUSSION

The question was raised whether any of the local cable companies had the facilities, budget, and interest in possibly producing a story about climate change that could be distributed to a wider county audience.

There was discussion as to whether it was worth it to actually attain LEED certification for most construction projects, given the cost to have LEED representatives inspect and approve the building.

Professor **Deb Niemeier** of UC Davis described the project she has undertaken with her engineering class to review energy usage in Yolo County government buildings and operations and make recommendations to improve energy efficiency. She indicated that this might result in a template or methodology that other jurisdictions might be able to take advantage of.

Anna Ferrera from Murdoch, Walrath and Holmes indicated that the High Performing School Program is proposed to receive an additional \$200 million if the school facilities bond is enacted, and that these funds might be available to schools for energy efficiency programs.

ADJOURNMENT AND NEXT MEETING

Supervisor Rexroad closed the meeting at 11:00 am by summarizing some of the discussion and suggesting a follow-up meeting in February or March to further discuss the issue of climate change.

ATTACHMENTS

- Meeting Agenda
- List of Persons Attending (including emails)
- Summary of UC Davis Policy Guidelines for Sustainable Practices
- UC Davis Sustainability Web Sites (A Small Sampling)

YOLO COUNTY CLIMATE CHANGE SUMMIT

December 17, 2007

List of Attendees

UC DAVIS

Gary Sandy, Director, Local Government Relations	gsandy@ucdavis.edu
Sid England, Director, Environmental Planning	asengland@ucdavis.edu
Camille Kirk, Associate Environmental Planner	ckirk@ucdavis.edu
Jill Blackwelder, Associate Vice Chancellor	jblack@ucdavis.edu
Kate Scow, Professor, Soil Science	kmscow@ucdavis.edu
Amy King, Outreach Specialist	apking@ucdavis.edu
Louise Jackson, Professor, Vegetable Crops	lejackson@ucdavis.edu
Deb Niemeier, Director, John Muir Institute	dniemeier@ucdavis.edu

YOLO COUNTY

Matt Rexroad, Supervisor	matt@rexroad.com
Dirk Brazil, Deputy County Administrator	dirk.brazil@yolocounty.org
Ray Groom, Director of General Services	rgroom@yolocounty.org
David Morrison, Assistant Director of Planning	david.morrison@yolocounty.org
Heidi Tschudin, Consultant	htschudin@sbcglobal.net
John Mott-Smith	johnmottsmith@comcast.net

CITY OF DAVIS

Steve Souza, City Council	ssouza@cityofdavis.org
Bill Emlen, City Manager	bemlen@cityofdavis.org
Mitch Sears, Sustainability Coordinator	msears@ci.davis.ca.us

CITY OF WEST SACRAMENTO

Christopher Cabaldon, Mayor	christopherc@cityofwestsacramento.org
Toby Ross, City Manager	tobyr@cityofwestsacramento.org
Carols Richardson, Assistant City Manager	carolr@cityofwestsacramento.org
Leigh Keicher, Finance Director	leighk@cityofwestsacramento.org
Mike Luken, Port Manager	mikel@cityofwestsacramento.org
Amy Cameron Port Division Analyst	amyc@cityofwestsacramento.org
Steve Rikala, Planner	stever@cityofwestsacramento.org

CITY OF WOODLAND

Skip Davies, Vice Mayor
Mark Deven, City Manager
Barry Munowitch, Assistant City Manager
Christine Engel, Environmental Resource Analyst

skip.davies@cityofwoodland.org
mark.deven@cityofwoodland.org
barry.munowitch@cityofwoodland.org
christine.engel@cityofwoodland.org

CITY OF WINTERS

Woody Fridae, Mayor
John Donlevy, City Manager
Dawn Van Dyke, Management Analyst

woody.fridae@cityofwinters.org
john.donlevy@cityofwinters.org
dawn.vandyke@cityofwinters.org

DAVIS JOINT UNIFIED SCHOOL DISTRICT

Richard Harris, School Board
James Hammond, Superintendent
Rachel Milbrodt, Energy Manager

rmilbrodt@djUSD.k12.ca.us

WOOLDALE JOINT UNIFIED SCHOOL DISTRICT

Carol Souza Cole, School Board

carolsouzacole@cal.net

WINTERS JOINT UNIFIED SCHOOL DISTRICT

Gary Cook, Dir. Facilities/Maintenance/Operations

gcook@wintersjUSD.org

ESPARTO UNIFIED SCHOOL DISTRICT

Aida Buelna, District Superintendent

abuelna@espartok12.org

WASHINGTON UNIFIED SCHOOL DISTRICT

Stephen Lawrence, District Superintendent

slawrence@wUSD.k12.ca.us

OTHERS ATTENDING

Tom Sweet, CSAC Finance Corporation
Cara Martinson, CSAC Legislative Advocate
Toni Barry, Sac. County Sustainability Coordinator
Sarah Rea, Alameda County Sustainability Office
Emily Sadigh, Sustainability Specialist
Christine Shewmaker
James Morante, PG&E Government Relations
Lisa Baker, Exec. Dir., Yolo County Housing Authority
Anna Ferrera, Murdoch, Walrath and Holmes

tsweet@counties.org
cmartinson@counties.org
barrya@saccounty.net
sarah.rea@acgov.org
blugoose@sbcglobal.net
j9mc@pge.com
lbaker@ycha.org
anna@m-w-h.com

MEETING AGENDA

YOLO COUNTY CLIMATE CHANGE SUMMIT/ROUNDTABLE

DATE: December 17, 2007
TIME: 9:00 to 11:00 am
PLACE: Buehler Alumni Center¹

MEETING CONVENOR: Yolo County Board of Supervisors
Matt Rexroad, Supervisor, 3rd District

MEETING HOST: University of California, Davis
Gary Sandy, Director of Local Government Relations

ATTENDANCE: Representatives from Yolo County, the University of California, the City of West Sacramento/Port District, the City of Woodland, the City of Winters, the City of Davis, the Winters Joint Unified School District, the Woodland Joint Unified School District, the Davis Joint Unified School District, and invited observers

AGENDA

9:00 – 9:15 Welcome and Introductions
Matt Rexroad and Gary Sandy

9:15 – 10:30 Reports from Each Jurisdiction

- Yolo County
- UC Davis
- County Supervisors Association of California
- City of Winters
- City of Woodland
- City of West Sacramento/Port District
- City of Davis
- Woodland Joint Unified School District
- Winters Joint Unified School District
- Davis Joint Unified School District

10:30 – 10:55 Discussion and Next Steps

10:55 – 11:00 Summary and Adjournment
Matt Rexroad

¹ The Alumni Center is conveniently accessible from Interstate 80. Exact directions are available at <http://www.alumnicenter.ucdavis.edu/>

Summary
UC Policy Guidelines for Sustainable Practices
March 22, 2007

GREEN Buildings

- **New Buildings (projects submitted for first formal scope & budget after 7/1/04)**
 - Exceed Title 24 energy standards by at least 20% (except acute care)
 - All UC buildings at least equivalent to LEED 2.1 Certified except labs and acute care; strive to achieve silver or higher when possible
 - All lab buildings to equivalent LEED 2.1 Certified and Labs21 Environmental Performance Criteria
- **Building Renovations (projects receiving budget approval after 7/1/07)**
 - Any significant renovation will apply sustainability principles. At budget approval, should include a listing of sustainable measures under consideration. Must meet or exceed associated Campus Baseline Green Building pointes for certain components
 - Major renovations should meet or exceed LEED New Construction program certified rating. Should exceed Title 24 Part 6 by 20% subject to life cycle cost analysis and be registered with Savings by Design Program
 - Renovations over \$5 million and not in Category 1 should comply with LEED Commercial Interiors certified rating and register with Savings by Design program
- Any proposed exception from standards may be requested in the PPG; subsequent changes after approval of PPG will be treated as scope changes.
- Planning and design process will include explicit consideration of lifecycle cost.

Clean Energy Standard

- University will implement a systemwide portfolio approach to reduce consumption of nonrenewable energy. Appropriate mix adopted will be determined by each campus.
- University will strive to achieve 20% of grid-provided electricity purchases from renewable sources by 2010.
- Goal of provided up to 10 megawatts of local renewable power by 2014.
- University will develop a strategic plan for implementing energy efficiency projects for existing buildings. Initial goal for energy efficiency retrofit project will be to reduce systemwide growth-adjusted energy consumption by at least 10% by 2014 from the 2000 base.
- University will develop a variety of funding sources and financing alternatives and will pursue marketing emissions credits as a means to bridge the cost-feasibility gap for green power projects.
- Campuses will provide strategic plans for implementing energy efficiency projects.

Climate Protection Practices

- By 2014 reduce Greenhouse Gas Emission to 2000 levels.
- By 2020 reduce Greenhouse Gas Emission to 1990 levels.
- By December 2008, University will develop plan for becoming climate neutral as soon as possible.
- Climate neutral means that the University will have a net zero impact on the Earth's climate, and will be achieved by minimizing GHG emission as a much as possible and using carbon offset or other measures to mitigate the remaining GHG emissions.
- Each campus will pursue membership in the California Climate Action Registry.

Sustainable Transportation Practices

- Using 2004-05 as baseline, increase percentage of low or zero-emission vehicles in campus fleet by 50% in 2009-10 or 20% in 2009-10 whichever is more feasible.
- Convert campus vehicles to 50% non-carbon-based fuel by 2009-10.
- Involve students in efforts toward achieving sustainable campus transportation.
- Each campus will implement a pre-tax transit pass program by January 2009.

Sustainable Operations

- Each campus will submit one pilot building for LEED-EB Certified by 7/1/08.
- University voluntarily adopts the following waste diversion goals:
 - 50% by 6/30/08
 - 75% by 6/30/12
 - Ultimate goal of zero waste by 2020
- All campuses will develop an Integrated Waste Management Plan and funding mechanism by 6/30/07.
- Medical Centers are also required to meet diversion requirements.

Environmentally Preferable Purchasing Practices

Not summarized

UC Davis Sustainability Websites

(A small sampling)

University of California Sustainability Policy
Policy on Sustainable Practices -
www.ucop.edu/facil/sustain/documents/policy_sustain_prac.pdf

American College & University Presidents Climate Commitment -
<http://www.presidentsclimatecommitment.org/>

UC Davis Sustainability
Sustainability Website - sustainability.ucdavis.edu/

Climate Action Registry - climateregistry.org/CARROT/public/reports.aspx –
Reporting year 2005, University of California, Davis

Focus the Nation - sustainability.ucdavis.edu/focus/index.html

UC Davis Extension Green Building and Sustainable Design Certificate Program
- extension.ucdavis.edu/unit/green_building_and_sustainable_design/

UC Davis Waste Prevention and Recycling Policy -
manuals.ucdavis.edu/PPM/350/350-05.htm

UC Davis Academic Programs

Agricultural Sustainability Institute - asi.ucdavis.edu/kellog.htm

Air Quality Research Center - airquality.ucdavis.edu/

California Biomass Collaborative - biomass.ucdavis.edu/

California Lighting Technology Center - cltc.ucdavis.edu/

Energy Efficiency Center - eec.ucdavis.edu/

Institute for Transportation Studies - www.its.ucdavis.edu/index.php

John Muir Institute of the Environment - johnmuir.ucdavis.edu/