

Sustainable Transportation Report to Systemwide Sustainable Steering Committee October 20, 2006

Policy: “Incorporate alternative means of transportation to/from and within the campus to improve the quality of life on campus and in the surrounding community. The campuses will continue their strong commitment to provide affordable on-campus housing, in order to reduce the volume of commutes to and from campus. These housing goals are detailed in the campuses’ Long Range Development Plans”.

1. Sustainable Transportation Activities Jan 2006 to date

Planning, Design & Construction was given responsibility for implementation of the Sustainable Transportation Guidelines Jan 2006

- February 2006 – Attended University of California Transportation Center (UCTC) Student Research Conference
- March 2006 – Transportation and Parking Managers Conference – Presentation and discussion of Sustainable Transportation guidelines
- February – June 2006 – Participation in program planning for 2006 Sustainable Campus Conference
- Sustainable Transportation Internship
Internship scoping
Solicitation
Selection
Intern: Nico Linesch, UC Davis
- Sustainable Transportation Awards: definition, solicitation, panel selection
Awarded 4 awards at Sustainable Campus Conference
 - Campus Owned and Operated Transportation
 - CSU: CSU Fresno – Red Bike Program
 - UC: UCSD – Neighborhood Electric Vehicle Fleet
 - Transportation Demand Management
 - CSU: SJSU – Transit Locator program
 - UC: UCSC – Bike Shuttle Program
- June 2006 – Sustainable Campus Conference
Two Pre-conference meetings:
 - Fleet Managers – Guidelines, EPAAct, biodiesel
 - Students – Student involvement in Sustainable Transportation

- June 2006 – Sustainable Campus Conference
 - Moderated Panel on Alternative Transportation “Thinking Outside the Bus”
 - Co-moderated panel on Funding “Multi-Modal Money”
 - Sessions on: Progress in sustainable transportation, alternative transportation modes, funding for multi-modal transportation, alternative fuels, data collection.
- July 2006 – Attended 2 day Bicycle Planning and Design course, UC Davis Extension
- August 2006 – Appointed Sherry Lewis, UCLA, to represent UC on the Dept of General Services (DGS) Advisory Committee on fuel efficient vehicle purchasing. This Advisory Group to the DGS is an outgrowth of AB 1660. The proposed formulas factor in long term health costs of vehicles with higher emission levels. Process is for conventional vehicles only.
- August 2006 – Car Share meeting (August 21, 2006)
 - Topic meeting on car share
- August 2006 – Sustainable Transportation Working Group (August 29, 2006)
 - Scope of work
 - Priorities
 - Organizational Structure
 - Opportunities and Challenges in implementing the guidelines
- August 2006 to date – 2007 Sustainable Campus Conference Steering Committee
- August 2006 to date - Climate Change Working Group
- October 2006 – Fleet Managers Meeting
 - Ongoing discussion of guideline implementation
- Throughout the year
 - Research on biodiesel
 - Research on transportation research centers at UC campuses
 - Legislative review

2. Organizational structure for Sustainable Transportation work

- a. Sustainable Transportation Working Group (STWG) -
 - Quarterly meetings with supplemental topic meetings, and pre-post conference meetings.
 - STWG reports to Systemwide Sustainability Steering Group (which meets 2x/year, Feb/Sept). Regional meetings – north/south
- b. Stakeholder involvement –

Important to look for leadership and advocates at each campus in this area (no matter what their title).

- c. Communication –
Internal: Communicate our work to AVCs.
External: need to communicate transportation successes to communities
- d. Coordination with other entities:
 - Transportation Advisory Groups – already exist on campuses, and are composed of students/faculty/staff. May be a good place to share info from STWG and work on guideline implementation.
 - Campus Sustainability Committees – have broader Sustainability focus, and may not spend much time on transportation topic.
 - Integration of sustainable transportation into Campus Sustainability Plans. SB is preparing a Campus Sustainability Plan. One of their recommendations is to do a Sustainability review (like the Design Review function) of capital projects and operations.
 - Coordination with Campus Sustainability manager (if there is one)
 - Coordination with CSSC – California Sustainable Student Coalition – transportation (MoveUC) is one of the campaigns of the CSSC. (Nico Linesch – 2006-7 Sustainable Transportation Student intern is a member of CSSC).
- e. Integration of sustainable transportation content into TAPS & Fleet Managers conferences.
- f. Pre or post meetings at other conferences: Sustainable Campus conf. (late June)
- g. Topic meetings (open to all, will meet as needed. These could also be breakout sessions at upcoming Fleet mgr and/or Trans & Pkg Mgrs mtgs)
 - 1. Biodiesel
 - 2. Carshare (8/21/06 mtg)
 - 3. Carpool/vanpool matching service
 - 4. Bicycle/ Walking facilities & system planning
 - 5. Marketing transportation options
 - 6. Data Definition (appropriate level of uniformity – AVR, etc)
 - 7. Other
- h. Opportunities for collaboration between faculty and operations departments
 - There are numerous research centers working on transportation at campuses – we will update the Sustainable Transportation section of the UC Sustainability website to list these research centers.
 - Staff have found it necessary to be exceedingly clear/specific with faculty about research questions.

3. Sustainable Transportation Working Group Priorities

Measures that will reduce the most pollution

Fleets

Funding structure for transportation options

Eligibility of UC to receive federal/state transportation funds

Federal earmarks

Bike/walking – non vehicular transportation options

Advocacy for regional transit – outside of UC

4. Highlights from Sustainable Transportation Working Group Discussion of Sustainable Transportation Guidelines

IIIa. Buy fuel efficient fleet vehicles –

- “Rogue” purchasing an issue – where departments seek to purchase vehicles outside the fleet purchasing system. Need Vice Chancellors to question purchases via this method.
- Fuel efficient vehicles not available in all vehicle categories.
- “Right sizing fleets” – Need to determine the right number of vehicles needed – so fewer, not just fuel efficient – vehicles can be purchased. UCLA doing utilization evaluation with Housing.
- Carshare vehicles (if fuel efficient).

IIIc. Work with state to facilitate purchase of low emission vehicles, zero emission vehicles and alternative fuel vehicles.

- Sherry Lewis, UCLA, representing UC on the state Department of General Services Advisory Committee on fuel efficient vehicle purchasing (outgrowth of AB 1660).

IIIe. Work with regulatory agencies and others on programs and technology to support sustainable transportation for increased use of biodiesel and other alternative fuels.

- Biodiesel – already being used at several campuses.
- Challenges: manufacturers will nullify warranty on engines if biodiesel above B5 is used. NOx emissions (NOx emission control device being tested at UCI).
- Previous investment in CNG.
- Opportunities: Conversion of waste cooking oil from dining commons into fuel. Challenge to do this in a way that meets fuel quality standards.

IIId. Rideshare/Carshare. Work with transit districts on routes to serve UC.

- Carshare challenges: Carshare companies not available in all UC communities. Need documentation of trips reduced through car share (neighborhood car share models may not be appropriate predictors of trip reduction in University setting).
- Opportunities: provide parking spaces for UC and public use (no contract)
- Replace supplemental rental cars with carshare vehicles for excess fleet service needs.
- Replace departmental cars with carshare cars.
- Provide access to carshare cars for student residents who do not bring cars to campus.
- Susan Shaheen, UCB/UCD professor – extensive research on car share.

IIIe. Business case analysis for Parking Structures

- Looking at the ways we can demonstrate the analysis that leads to a decision to build a parking structure. How can we reduce demand, and how will we know if demand is reduced enough to avoid or delay the need for a structure? What non-building options were considered?
- Evaluating a possible analysis tool.

Attachments

- A. Sustainable Transportation Working Group members
- B. Car Share meeting summary

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Attachment A

Sustainable Transportation Working Group Participant List

Berkeley

Kira Stoll, Parking and Transportation Services
Jennifer Lawrence McDougall, Physical and Environmental Planning
Alex Farrell, Assistant Professor, Energy and Resources Group
Elizabeth Deakin, Professor, University of California Transportation Center

Davis

David Takemoto-Weerts – Bicycle Planner
Anne Davies-Nesbitt – Alternative Transportation Planner
Sid England – Environmental Planner
Susan Handy - Professor, Environmental Science and Policy
Clif Contreras- Director Transportation and Parking Services

Irvine

Mark Brunk, Manager of Fleet Services

Los Angeles

Renee Fortier – Director Transportation Services
Sherry Lewis- Fleet Manager
Tova Lelah – Environmental Planner

Merced

Robert Avalle - Facilities Management
Eric Cross - Facilities Services

Riverside

Larry Charlton - Fleet Services
Nita Bullock - Office of Academic Planning and Budget

San Diego

Brian d'Autremont - Parking and Transportation
Cathy Presmyk - Physical Planning Office

San Francisco

Chris Weeks - Transportation Services

Santa Barbara

Bob Sundberg - Transportation and Parking Services
Laura Condon - Transportation and Parking Services
Tye Simpson - Campus Planning and Design
Jennifer Metz - Campus Planning and Design

Santa Cruz

Teresa Buika - Transportation and Parking Services

Larry Pageler

UCOP

Charlotte Strem

Alicia Jensen

Joe Adams

Jamie Henderson

Michael Keleman

Students

Nico Linesch

Dorothy Le

Crystal Durham

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Attachment B

Summary of Car Share meeting – August 21, 2006

1. Overview of car share concept
2. Experience from campuses who use car share. Campus goals for its use, data tracking.
3. UCR Intellishare car share research project – CE-CERT (College of Engineering, Center for Environmental Research and Technology)
4. Possible applications of car share
 - replace a portion of UC owned fleet vehicles with carshare vehicles
 - replace a portion of the rental cars used for excess fleet demand
 - vanpools
 - replace mid-day, low volume shuttle bus runs
 - carshare vehicles available to transit users for mid day errands
 - available to students who do not bring cars to campus
 - shared public/UC use (UC provide parking space only)
5. Discussion topics
 - Liability, Vetting drivers, Trip approval process, Billing, Appropriate # of car share vehicles, Marketing, Student use of car share vehicles, Software, Systemwide v. campus contracts

Participants: 25

Physically at meeting:

Joe Adams UCOP Risk Management, Eric Anglim UCB, Teresa Buika UCSC, Maria Collins UCDCM, Laura Condon UCSB, Sam Corbett UCSD, Larry Charlton UCR, Jon Giacomi UCOP Facilities Administration, Alicia Jensen UCOP Planning, Design & Construction, Nico Linesch Sustainable Transportation, Student Intern, Gary Leonard UCOP Risk Management Kira Stoll UCB, Charlotte Strem UCOP Planning, Design & Construction, Bob Summersett UCD, Mike Todd UCR, Chris Weeks UCSF, Randall Williams, UCD

Participated via conf call:

Wanda Brown UCDCM, Clif Contreras UCD, Dave Entrekin UCDCM, Renee Fortier UCLA, Jamie Henderson UCOP Transportation, Duane Hicks UCDCM, Sherry Lewis UCLA, Penny Menton UCLA, Susan Shaheen UCD faculty, Jianping Zhou, UCLA