Sustainability Steering Committee
June 13, 2016

Maric Munn and Dan Henroid, co-chairs
Agenda

- **Introductions**  5 min

**New Business**

- **UC Carbon Slam** – Gail / Alanya  5 min
- **Faculty Curriculum Workshop** – Alanya  10 min
- **Transportation Strategy Session** – Derrick  15 min
- **LivingGreen Fair Debrief** – Lyandra  10 min
- **Culture Shift update** – Gail  10 min
- **UCOP funding for TCR, CLC, USGBC, charrettes, data mgmt** – Gail

**Old Business**

- **Sustainability Conference** – attendee tracks and reporting back - Maric
- **Update on Leaf Blower** – Julie
- **Last words** - Dan/Maric
Faculty Curriculum Workshop

20 teaching faculty members attended representing the four professional schools and Global Health Sciences
Transportation Strategy Session

Derrick Tyler/Erick Villalobos

6/16/2016
Attendees (TAC members)
Lyandra Dias, Bruce Flynn, Jason Gross, Lindsey Jones, Phillip Kee, Wayne Kwan, Gail Lee, Diane Ngo, Eric Partika, Jennifer Rosko, George Sampior, Clare Schinnerl, Zachary Schoenrock, Kate Shimshock, Jim Sobczyk, Kamala Subburayan, Derrick Tyler

Agenda

- Welcome - Derrick
- Carbon Neutrality Overview - Gail
- Campus Snapshot – Paul
- Strategies Exercise & Lunch – Derrick
- Each group report out - Derrick
- Voting - Gail
- Wrap Up – Gail and Derrick
2014 GHG Gas Emissions

- Natural Gas: 48%
- University-funded air travel: 10%
- Commute: 19%
- Purchased electricity: 17%
- Anesthesia gases: 4%
- Refrigerants: 0%
- Campus fleet: 2%
- Other Stationary Combustion: 0%
Current Planned Adoptive Methods

- LCFS (Low Carbon Fuel Standards) - will decrease emissions from passenger vehicles and heavy duty trucks 10% by 2020

- LRDP Tier 1 Transportation Measures – increase on-site housing, amenities like child care, food services, banking, retail shops, laundry, and fitness facilities

- Allow flexible work schedule and telecommuting

- Realign supply chain, warehousing, and deliveries to streamline and minimize truck trips

- Shuttles to transition to all Electric bus fleet with 15 new EV buses in FY16-17
Breakout Group Topics

Behavior, Practices and technologies around:

- Alternative Transportation Commute
- Business Travel
- SOV Commute
- Fleet
Current Alternate Transportation options

- Increase on-site amenities: housing, child care, food services, banking, retail shops, laundry, and fitness facilities
- Allow flexible work schedule and telecommuting
- Realign supply chain, warehousing, and deliveries to streamline and minimize truck trips
- 62 carpool stalls, 40+ vanpool stalls, 35 Green vehicle stalls
- 18 City Car share stalls w/ 1500 members
- 1900 Zim Ride users
- 1072 Bicycle parking spaces (2 showers available for users)
- 400 off-street motorcycles parking stalls
- Pending Bikeshare program
Alt Transportation Commute
Recommendations

- More housing
- **Bike Incentive** *
- **Subsidize transit** *
- Affordable childcare
- Flex Uber-Lyft

- *top 2
Current Fleet Options

- Shuttles to transition to all electric bus fleet to 15 in FY16-17
- 45 low-emitting alternative-fuel and hybrid vehicles, including cars, shuttles, golf carts, and trucks (20% of total fleet)
- Improve Oyster Point leased diesel trucks through Penke
- UCSF departments encouraged to purchase fuel efficient vehicles (hybrid, electric, CNG) by waiving the annual permit fee of $1,932.00 per vehicle.

- Testing battery-powered leaf blowers
Fleet Recommendations

- **On-demand transit tool***
  - On-demand fleet for personal use (UCSF “Lyft Line”)
  - On-demand electric van system
  - Smartphones incorporated into time efficient travel – Connecting smart phones to UCSF fleet of electric vans, shuttles, etc.
  - Improved understanding of peak/non-peak hours, so all shuttles are being used efficiently

- **Alternative Fuel Vehicle policy - top down**

*top recommendation
Current Commute Options

- Emissions from various transit options are reported by annual survey and are extrapolated as a percentage of the total UCSF population.
- Does not distinguish emissions from alternative fuel vehicles (2015 not reported).
- Calculates emissions from national average public transit, carpool, and vanpool.
- US EPA national average is 21.7mpg is too low for SF.
- SF has more EV, hybrid, and CNG drivers than national average.
SOV Commute Recommendations

- Have more rooms set up with A/V conferencing to reduce commute through the day*
- Increase telecommuting (4/10 Work Week)*
- Waze carpooling – shared pick up locations
- Free Public Transportation Passes
- Loyalty Rewards Program – earn points for improved commuting*
- Incentivize electric vehicles
- Expand shuttle stops

*Top 2
Current Business Travel Options

- 20-40% faculty/staff use Connexxus monthly
- Connexxus tracks emissions/cost from air and car rental
- Currently reimbursement through My Expense reports only total travel spend (not specific for air/car/lodging)
Business Travel Recommendations

- New tool
  - Pull data directly from carriers*
  - Improve teleconferencing*
- Option to buy offsets through Connexxus (reimbursements for offsets through university/federal funds)
- Flag efficient rental vehicles
- Flag efficient airlines on Connexxus
- Conduct research on travel tools used by other campuses

*Top 2
Poll results

Which are the top two takeaways/recommendations for financing/funding?

1. Pull business travel data directly from carriers
2. Improve teleconferencing to reduce business travel
3. Improving telecommuting (4.10 Work Week)
4. Loyalty rewards program
5. On-demand transit tool
6. Bike Incentive
7. Subsidize transit

14 / 27 Cross-tab label
Poll results

What are the two ideas with the biggest reduction in carbon emissions?

1. Pull business travel data directly from carriers
2. Improve teleconferencing to reduce business travel
3. Improving telecommuting (4.10 Work Week)
4. Loyalty rewards program
5. On-demand transit tool
6. Bike Incentive
7. Subsidize transit

14 / 27 Cross-tab label
Poll results

What are the top two for short term implementation?

1. Pull business travel data directly from carriers
2. Improve teleconferencing to reduce business travel
3. Improving telecommuting (4.10 Work Week)
4. Loyalty rewards program
5. On-demand transit tool
6. Bike Incentive
7. Subsidize transit

14 / 27 Cross-tab label
Poll results

What are the top two for long term implementation?

1. Pull business travel data directly from carriers
2. Improve teleconferencing to reduce business travel
3. Improving telecommuting (4.10 Work Week)
4. Loyalty rewards program
5. On-demand transit tool
6. Bike Incentive
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LivingGreen Fair Update

1200 attendees
70 vendors
Budget
FY 15-16  $10,815
FY 16-17  $11,139
Culture Shift Updates

- New GCLC GFI / CNI Fellows announced
- Sustainability Awards Ceremony June 21 Chancellor presenting
- June 8th’s UACS Mtg (Toxics and Procurement presented)
- Sept UACS Mtg (Climate Change and Water to present)
- Launch of Green Chatter and MC Green Chatter
- Annual Report

- CHESC conference attendance
- Other announcements?
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Funding Updates

- UCOP funding for 16-17 membership
- TCR $5500
- ACUPCC/CLC $1105
- USGBC $300

- Waste & fuel data mgmt for reporting – contractor 8hr/wk?
- Inquired about OP funding for MC charrettes - $5000
Green Blowers

Javier Paredes Tests New STIHL Blower as Part of Pilot Project
2015-16 Annual Report

- Climate Change
- Water Conservation
- Zero Waste
- Sustainable Food
- Culture Shift
- Green Building
- Procurement
- SLG
- MC Waste/Procurement