

Climate Action Plan Implementation

URGENT ACTION IS NEEDED!!!



Must achieve Zero Net emissions globally by as early as 2040!

CSUEB target is currently 2040

UN Secretary General:

"We face a direct existential threat...

If we do not change course by 2020, we risk missing the point where we can avoid runaway climate change, with disastrous consequences for people and all the natural systems that sustain us."

Overview

Climate Action Taskforce developed our Climate Action Plan (CAP), which was:

- Endorsed by the Senate Ad Hoc Sustainability Committee

- Endorsed by the Campus Sustainability Committee

- Approved by the President, April 2018

The Implementation Taskforce (CAP-IT) began work Fall 2018:

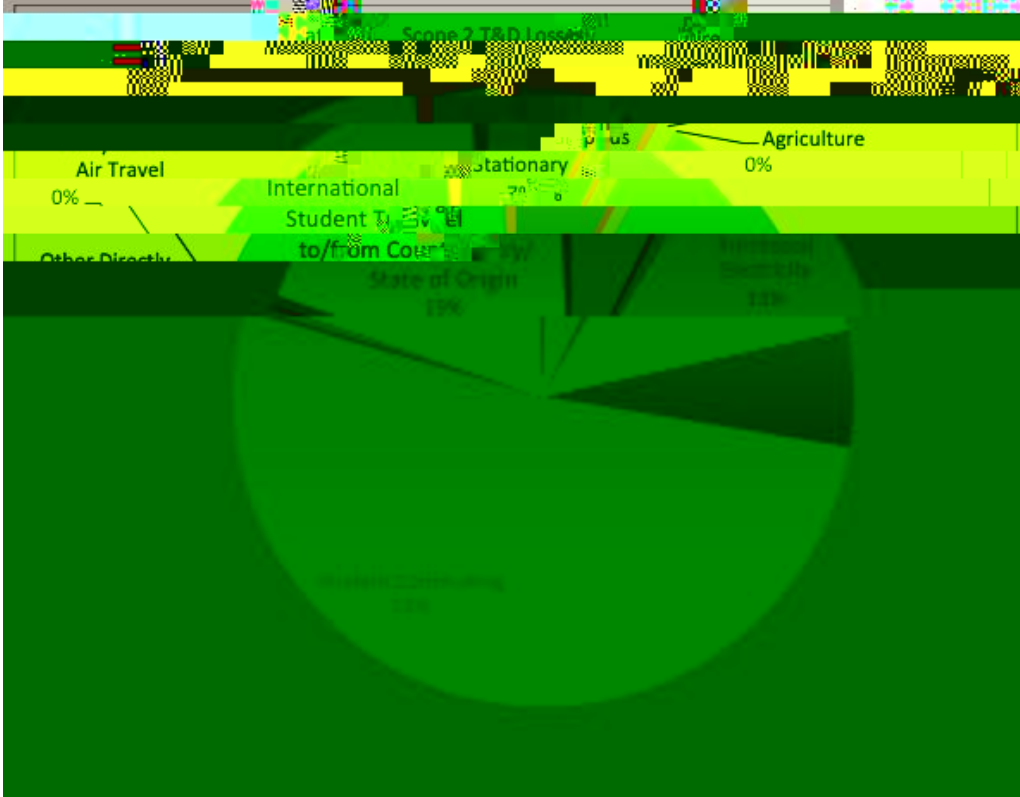
- Established a CAP implementation framework

- Identified barriers to, and opportunities for, progress

- Identified priorities for action;

Priorities for Action: Transportation and Campus Energy

Figure 5: Overall Annual Emissions Summary, Percentage by Source Type



DOMINANT SOURCES

Transportation, including

Commuting

International Student

Travel

Directly-financed travel

Campus fleet

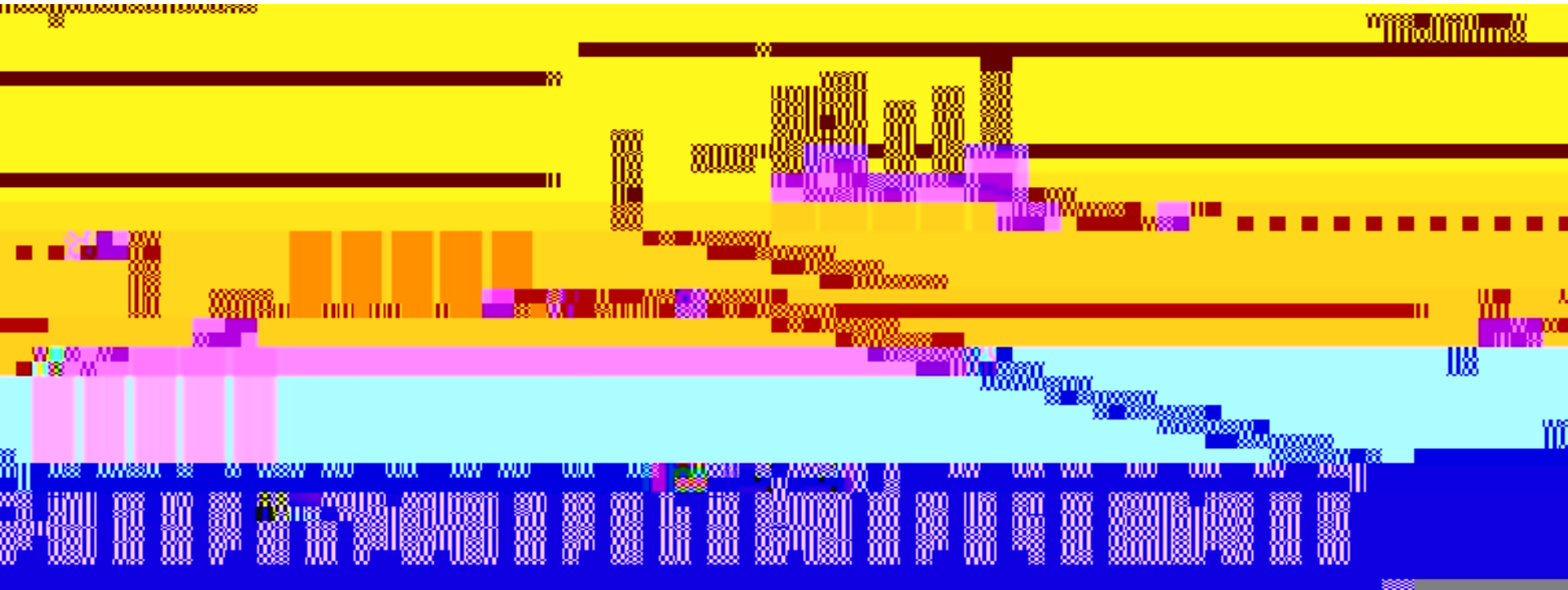
Campus energy, including

Electricity

Heating (stationary)

BUT NO EMISSIONS REDUCTIONS YET!

We must reduce campus emissions by 5% per year at minimum just to keep up! (and THAT assumes we started in AY17-18)



Concerns: Recent Actions Directly Contradict the CAP

Solar IV MEA opportunity from Chancellor's Office opened AY17-18;

No RFP issued by CSUEB to date (will we lose the opportunity?)

Solar on the PE Building;

Largest PV system on campus being removed; no plans to replace

Solar on the Core Building: Under CAP must be zero-net-energy;

plans now only for “solar-ready”, but no actual solar on the building

EV Charging is to be incentivized under the CAP;

As of Nov 1, not more free charging. Now pay well above market rates to charge:

Decision made without consultation with Senate or ASI.

Alternative transportation goal under the CAP: “Pursue subsidized transit passes for students, staff, and faculty”

AC transit had reached agreement with transportation for AC transit passes for all faculty, staff, and students and potential for zero emission buses. Not pursued against recommendations. Stakeholders not consulted.

BACKGROUND:

Cost Savings Achievable with Solar IV

Assume:

- Use CO's cost estimate for ground mounted solar (7c/kWh)
- We install 6.5 MW of ground-mounted systems
- Displacing electricity we currently buy for \$0.13/kWh (4c/kWh for direct access energy and 9c/kWh for transmission distribution)
- Savings = 6c/kWh
- Annual Cost Savings:

$$\frac{\$5,405,040}{\text{yr}} = (6,500 \times 0.77) \text{ kW} \times \frac{\$0.07}{\text{kWh}} \times \frac{1.00}{\text{yr}} \times \frac{1.00}{\text{yr}} \times \frac{1.00}{\text{yr}}$$

Over \$8.2M over 15-year system lifetime

Proposal for Vote of the CSC

That the CSUEB Administration Commit to Actively Supporting Implementation of the CAP, specifically:

1. Issue **RFP for Solar IV** (Max size project) by end of Fall 2019
2. Create **Green Revolving Fund**, with all savings from CAP projects protected in the fund, solely for CAP use
3. Support for **alternative transportation**
- 4.