

# Campus Sustainability Update

Board of Trustees Study Session, Fall 2019

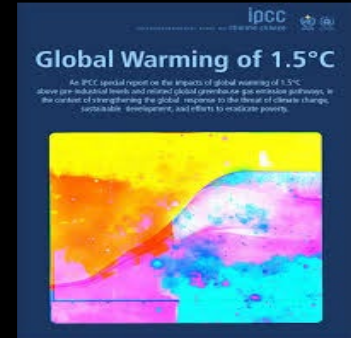


**Climate Commitment Implementation Committee**

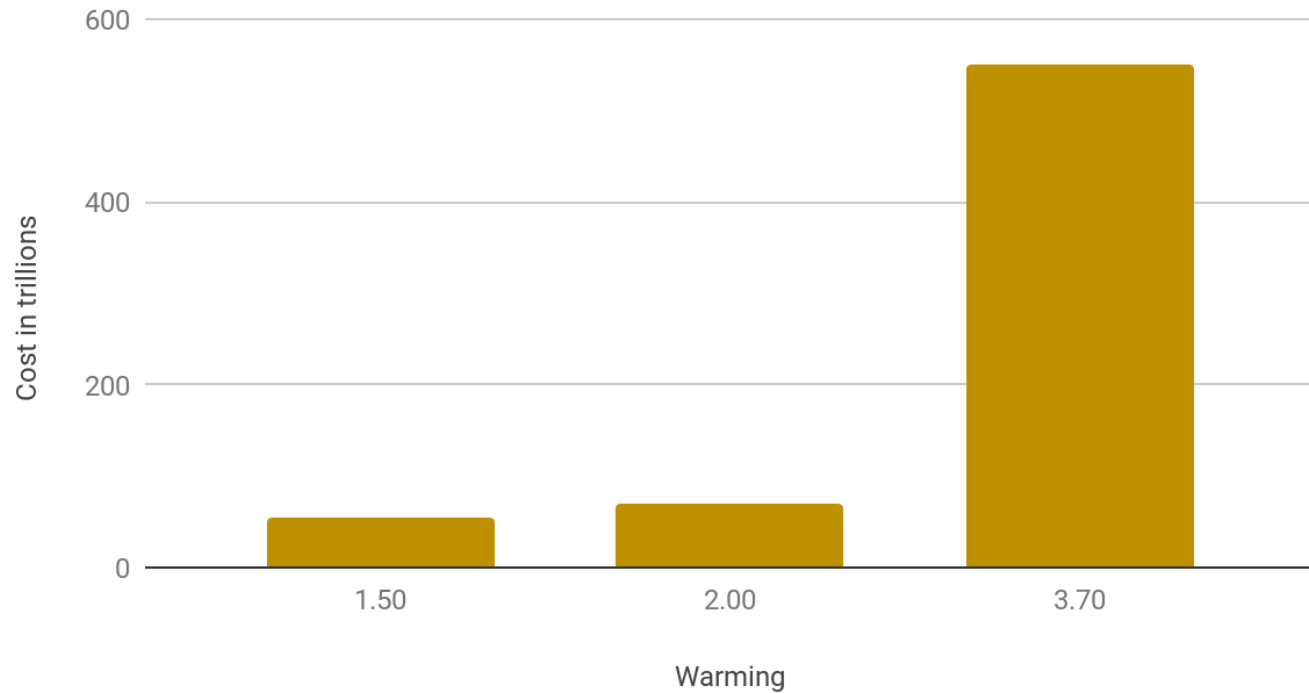
*Aaron Salinger, Chisa Uyeki, James Stone, and Chris Briggs*

# Why Climate Action Is Necessary

- Human activity is estimated to have caused 1.0°C of warming above pre-industrial levels to date
- Global warming is likely to reach 1.5°C between 2030 and 2052 if present trends continue
- In order to limit global warming to 1.5°C GHG emissions must decline by 45% below 2010 levels by 2030, reaching net zero by around 2050

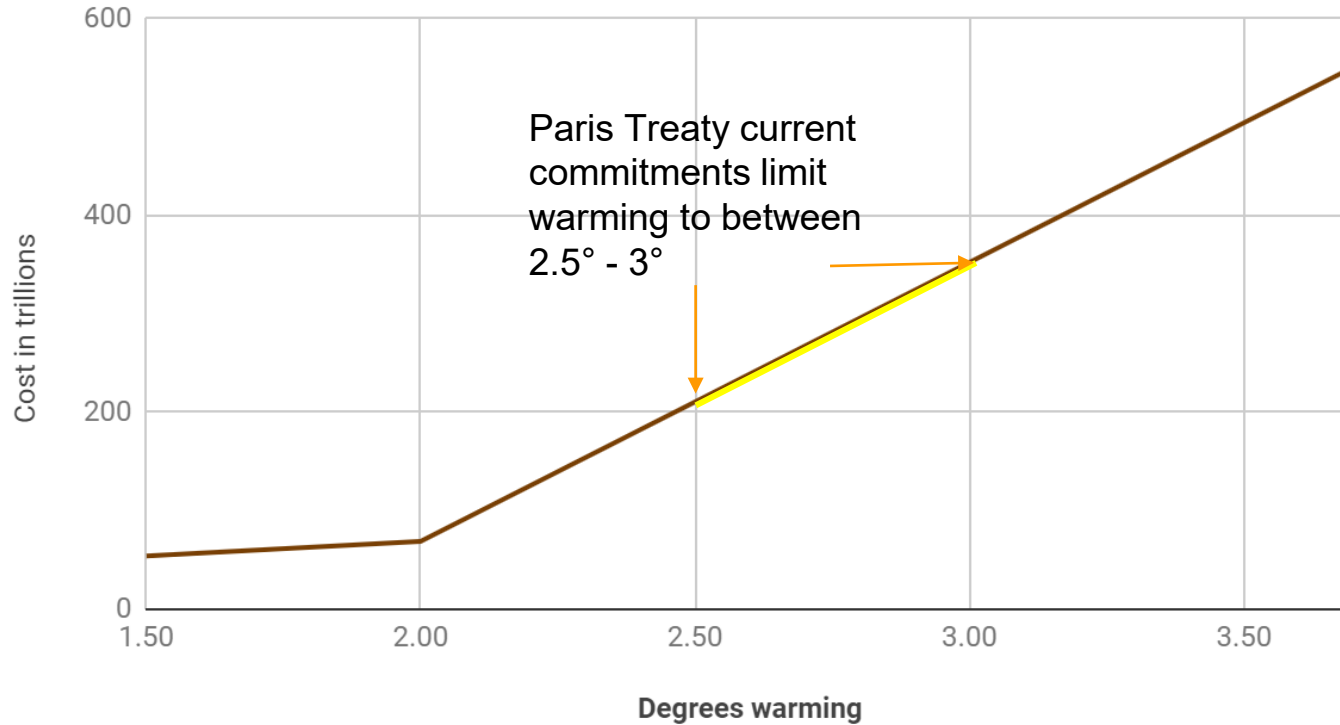


## Cost in Trillions by 2100 at Degrees of Warming



IPCC estimates for cost to the world for degrees of warming

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# The Case for Hope



# Higher Education can:

- Educate students and the public about climate change and policy options to mitigate its impacts
- Serve as a laboratory for climate change mitigation and sustainable practices
- Conduct research and educate future workers to hasten the shift to the green economy
- Partner with local government and communities on climate and sustainability projects

**“Knowledge, skills, and abilities regarding the environment are essential for student learning across almost every area of our curriculum.**

**“As a community college, Mt. SAC not only must teach sustainability but must be an active demonstration site for its implementation.**

**“...it is imperative that Mt. SAC take action in our teaching, in our business practices, and in our social advocacy.”**



**From President Scroggins' introduction to Climate Action Plan**



# Students in Action

## Carol Martinez

- Mt. SAC Alum
- UC Berkeley Student
- Climate Action Plan Intern, 2016-2017
- Energize Colleges Fellow, Spring 2018
- Developed Student Sustainability Tours & Virtual Sustainability Tours
- Currently applying to law schools with future career goal: Environmental Law



# Mt. SAC's Role



# Opportunities for Leadership

# Timeline

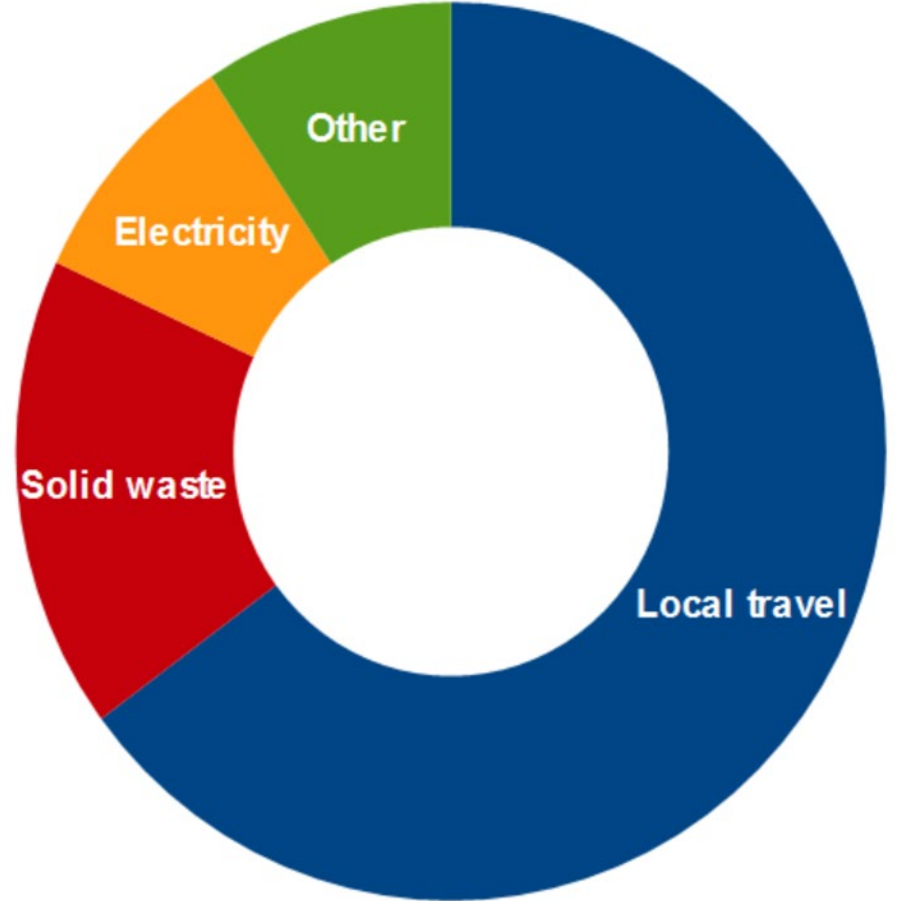


Still to be done:

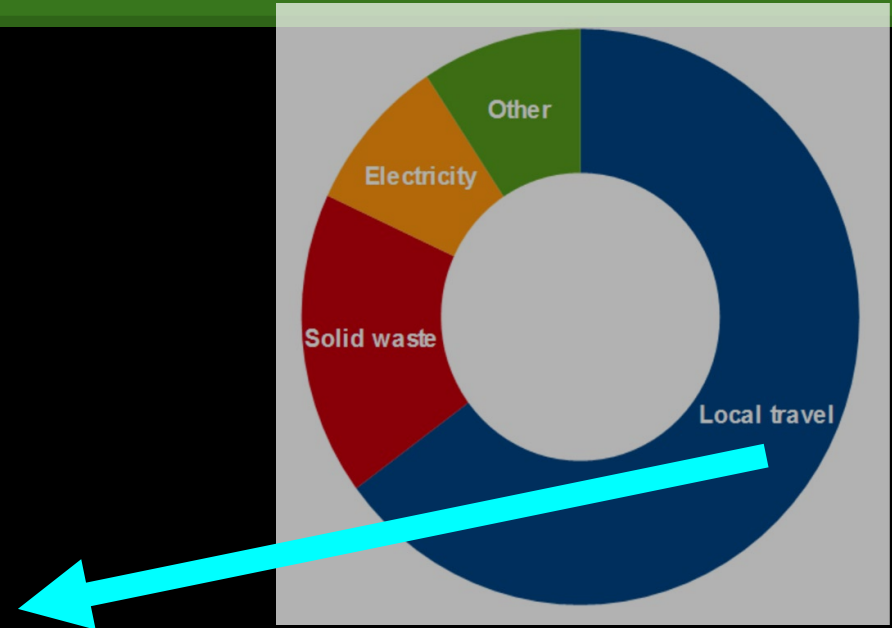
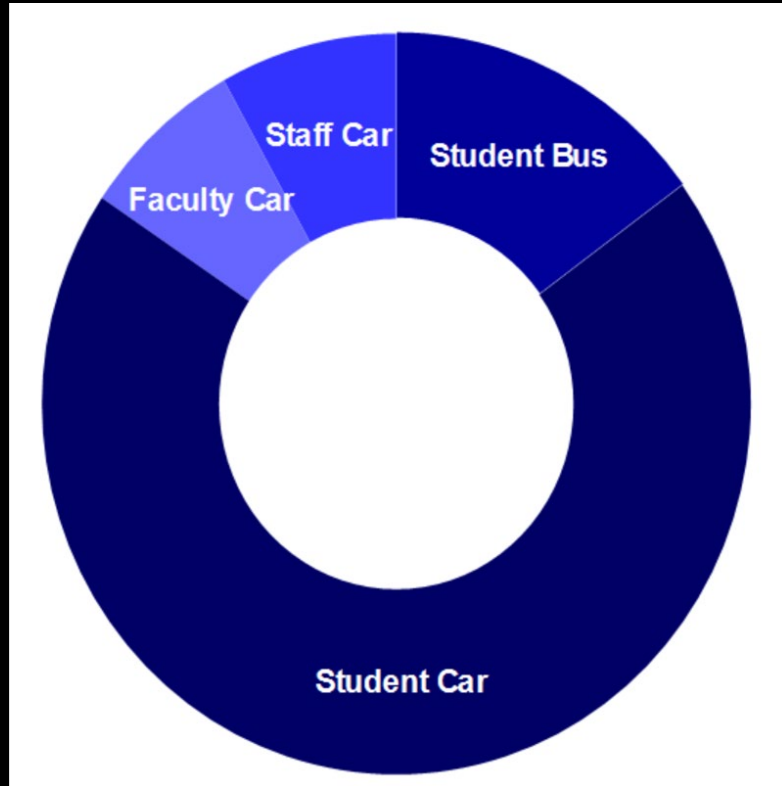
**Annual Greenhouse Gas inventory**  
**Institutionalize the CAP**  
**Create POD Courses**

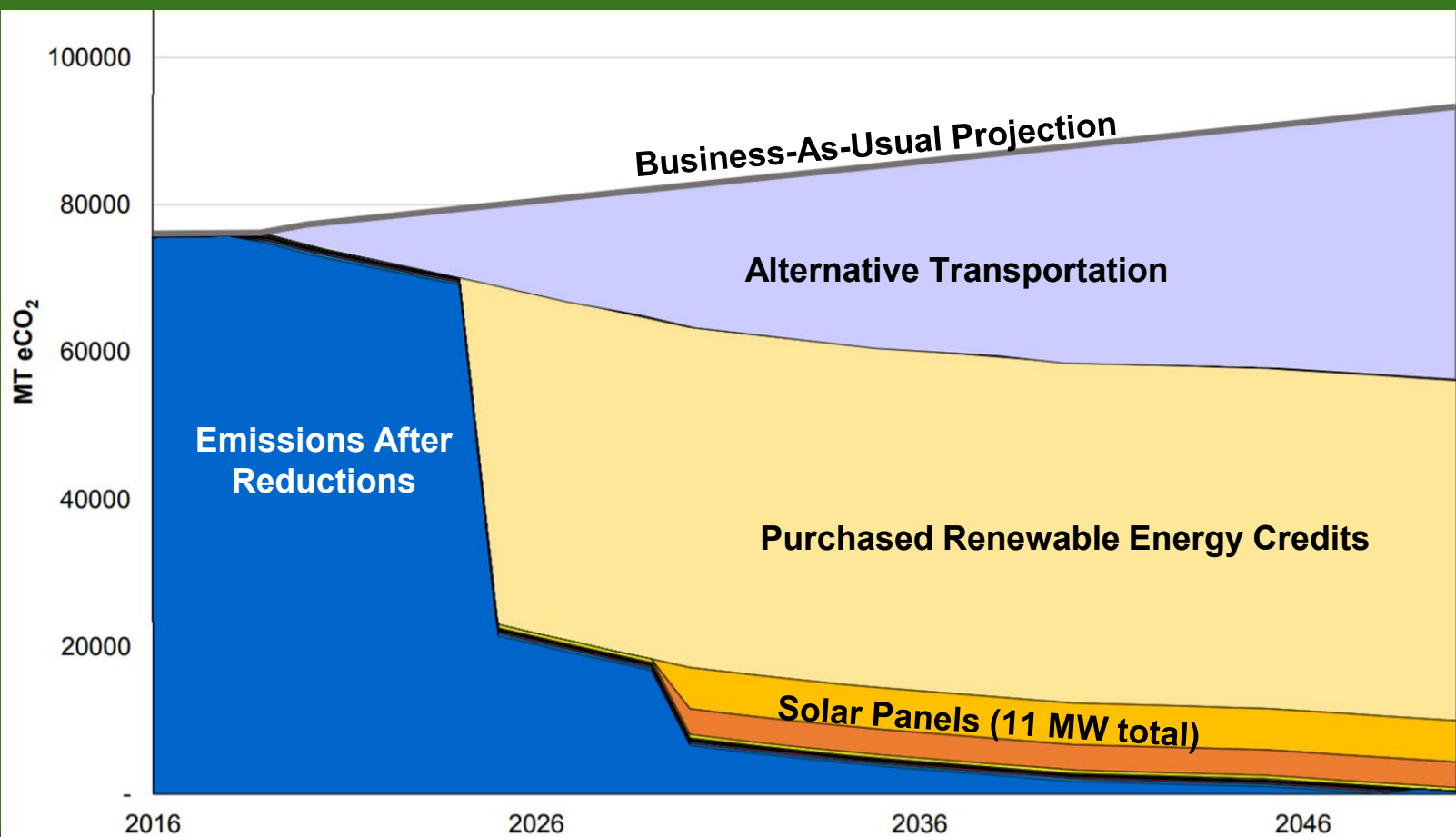
**Hire a Coordinator**  
**Hire a Director**

# Emissions



# Emissions

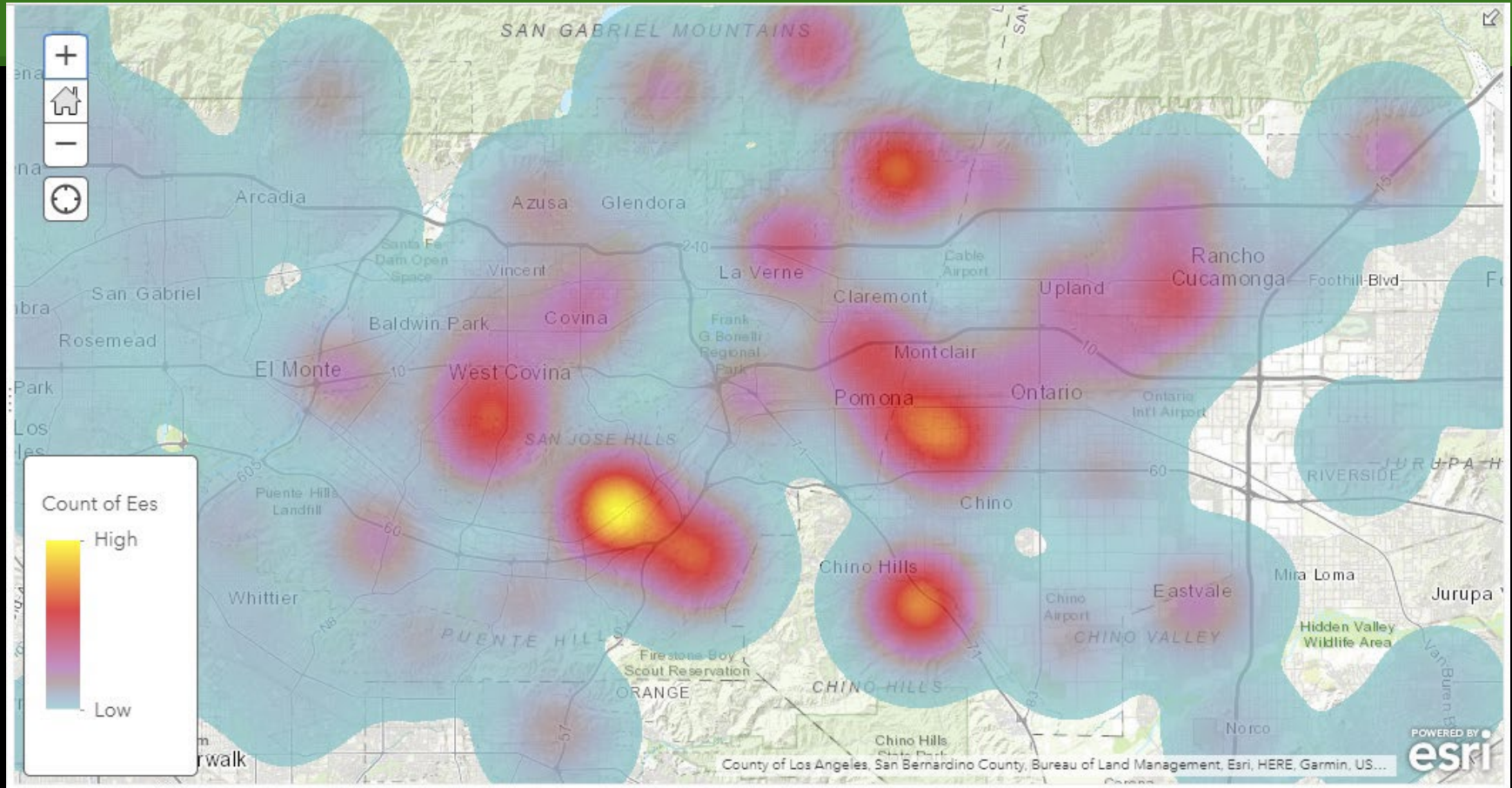




# Mitigation



# Where students live



# Solutions: Train Connections

- 70% of Mt. SAC emissions are from car trips to and from campus.
- Data shows that many faculty, staff, & students live along the Metro Gold Line.
- Shuttle connecting the APU/Citrus College train station to campus would mean reduction in car travel to campus.
- Currently no direct bus route to/from the Metro.
- Solution: Run a shuttle twice in the morning & twice in the afternoon to Gold Line for \$22,000/Semester. Less than the Lot M shuttle costs.

# Carpool - Faculty and Staff

Ride Links - Matches commuters with other commuters based on start and end point as well as schedule.

Miles 2 Share - Matches commuters with other commuters based on start and end point as well as schedule.

Security issues for implementing with students

# Building on our successes

## Climate Action Plan Efforts Honored



## Students Organize Walnut Parks Clean-Up Day



May 26, 2017 - 11:30 AM

# Thank You