# **Appendix B: College Summit Notes**

College Student Climate Change Summit, April 10, 2019

# **Built Environment**

Facilitator: Selenna Martinez, Greg Cooper, Carlos

Participants: Jasmine Barbarin-Ocheoa, Katelyn Rosenbauer, Thomas Jones, Andrea Salazar, Chelsea

Quintero, Hadi Seleem

#### Question: What is the ideal future for Sacramento and West Sacramento?

Solar panels

Greener buildings → less smog

Rooftop gardens → increase food supply

More local/accessible transportation

Living building challenge

More community gardens

More bike lanes

More electric public transportations

Having a heavy meat tax

More gardens on rooftops

Smarter tech-like windows that regulate temperature

Bringing things up to people. Greener place less waste.

White roads and streets

Thicker walls in buildings

Sensors to monitor how much light comes in and then the lights indoor dim down

Pulling co2 out of air, and using it to feed plants and other things

Cheaper electric cars, possibly no diesel

Nuclear energy

Incentivizing Uber to hire electric or fuel efficient cars or driver. Pay electric driver more.

Trees by river. Nature preserves.

Electrical trains

Cooling and heating in buildings

More subsides if houses are solar

Swamp coolers

Self-driving cars for uber and taxis

Indoor farming

Smarter traffic lights, Timers off

Connecting the BART and implementing it in Sac

More light rail and electric trains

Roundabouts

More public transportation, raised awareness, community

Nicer environment, greener

Environmental knowledgeable

Carbon sequestration incentives in homes (i.e. green roofs)

Expansion of renewable energy besides solar (i.e. wind)

Festival/event requirements for sustainability/zero waste/carbon neutrality

Environmental unit in ALL schools

More incentives for home renovations and behavior changes

Reduce single use plastics

Better ventilation system as well as heating

Commute programs

Bullet train

Build nuclear energy

Different energy sources

Clean up and improve public transportation

better labeling for recycling

limiting amount of homes. Build more tiny homes and urban

better bike infrastructure in Europe for making it safer

hope job roles in public transport

having own garden, urban/community garden

LEED certified buildings with higher standards

Neighborhoods with bioswales, bioretention cells, pervious pavement

More electric buses, cars, etc.

Use bikes or other public forms of transportation to reduce carbon emissions

Add more bike lanes and reduce car lanes in busy areas to encourage using bikes

See less commuting to reduce the amount of time cars on the road

Produce more local job opportunities to recue commuting

Need more LEED certified buildings

Repurpose old buildings

Implement solar energy

Make buildings, houses, etc. energy efficient

Can tax commuters

Give incentives to those making changes to help environment, ex. Energy usage

Ban car traffic in certain areas to encourage walking and biking

Make public transportation more comfortable to encourage more people to use it

Improve image prospective of public transportation.

## Question: What's your vision? Strategies?

Education → elementary school

Emphasizing benefits to starting a good habit

Museums → reinforces importance

Sac will have more student housing near campus  $\rightarrow$  provide opportunities for students' ability to be involved in gardens and reduce carbon footprint by not having to drive

So stop building parking structures if there's more housing near

Individual garden at my house – growing or learning to grow on seasonal food

Ban straws, plastic ware, replace with biodegradable options. Stop the use of bags in general. Higher price on per bag Building wise – living building challenge standard for all buildings.

Net zero waste – include water, waste, food (production), etc.

One building exist in Sacramento

People interests – casual convo, social media

Bike paths and solar panels

Local farming/farmer markets

Less spread of homes into land use

Education

Cost of things

Fun projects

Be open minded to new things

No waste/re use

Living building

Put more into environment then we take

Less traditional lawns/native plants or gardens

Teach an RTD beach a person for a lifetime

Interactive learning

More engagement from children and parents

Advertising

Looking into products that you use everyday ex. Shampoo, soap, face wash

Family following footsteps

Stricter policies, pushing people

Having stores and products be involved

Awareness, plastic bags friendly

Cleaner environment

Solar panels on building and parking lots

Turning litter in recycling

Electric cars cheaper

Improving bike paths, adding lanes

Robots picking up litter

More signs and cameras to enforce bad habits

Have more energy efficient state cars to encourage everyone else

Research institutes should have more projects like the hyperloop

Design more hyper loop systems

Use the river to produce hydro electricity

Recycle organic materials

Have recycling bins everywhere to encourage it

Need consistency with recycling methods

Educate the public about recycling

Reduce the amount of homes being constructed in Sac, or reduce the size of homes

Make more homes out of sustainable materials

Design trolley systems

Better bike lanes or sidewalks to increase safety

Rewards programs for biking, carpooling

#### Question: What can we do now?

Reusable bags

Explain monetary aspect

Show documentaries

Carbon tax

Advertisements

Diet changes → farmers market

Charge more for meat

Giving people perspective

Specific education events

No meat Monday

Cookie incentive

Implement solar cars

Kids' education, social media

Towels into bathroom made from recycling

Air filters easier to replace, reusable air filters

More presentation, implementing signs

Safe bathrooms, cleaner bathrooms

For campus –

Air dry

Water fountains

Paper straws, reusable coffee cups

Trash awareness with pictures

Encourage carpooling make more carpool issues

Taller structure, more elevators

Making first step, what can you personally do

Recycle

Buy things that don't waste

Talk to higher ups to implement sustainability

Using reusable bags

Using public transportation

Supporting local businesses by limiting waste

Self-gardening, zero scaping

Low water use, change your home to low flow toilets

Reduce e-waste

Carpool

Communal living

Get in habit of putting reusable bags/containers in car or backpack immediately

Research products you're using → where they come from

Walk more

Carpool more, continue

Keep coming to more environmental/climate summits to become more aware of various issues

Vote for individuals who will work with tech companies to build more efficient cars and transportation that is also affordable

Figure out a way to reduce and reuse Carpool Landscape that uses less water

Community gardens

Support sustainability

Become self-aware

# List other Ideas not Related to Session Topic Discussed by your Group

Empty parking lots to community centers/service Prevent take advantage of wasted space Self-tapped water

# **Mobility**

# Facilitator: Craig Coppin

Question: What is the ideal future for Sacramento and West Sacramento? What will we look like? What is your vision for your future?

Economic Development for self-driving cars; plan now for the future

Become energy hub here in Sacramento for the state of CA

Less cars, cleaner air, use more public transportation complete streets, make people pay more for using cars with gas but pay less for other needs to not punish people

More concentrated efforts to destigmatize public transportation market to younger people to further incentivize using public transportation

Use social media to advertise electric transportation

Use jump bike or gig cars. Use self-driving electric cars to promote car purchases. Tax break on electric cars and overall tax reduction to afford cars.

Have faster transportation to reduce gas. White cars or roads could reduce heat absorption localize food growth or energy growth. Push digital products to reduce transportation needs. Push online classes

Superblock, "walkable" urban spaces, mix use

Safer bike riding environment

Urban farming

Zero waste/anti plastic policies

#### **Sticky Notes:**

Carpooling

Market 2 young people

Better public transportation

More availability/ transportation throughout

More cohesive public transport system

#### **Sticky Notes:**

Overcome fear of public transit educate people

Those with disabilities consider them more

Improve transit availability

Public transportation

- Changing culture
- Accessibility
- Safety
- Raise gas prices
- Tax break rewards
- Sac true transit union
- Oily
- Jump bikes
- Gig cars

Less roadways more public transportation, more open/natural areas

More public transit. Hybrids/electricity cars

More efficient transportation, public transit

Vision for the future

Carbon tax, maybe run for mayor

Find out new ways to make environment cleaner, environmentally conscious

Cut down on waste, be environmentally conscious

#### Sticky Notes:

For every house, business, estate, or establishment reserve an area for natural environment

Lower cost of electric vehicles

Install a choice of transportation with electric options being cheaper

Widen bike lanes

Proportion wage decrease commuter incentive

## **Sticky Notes:**

Biking

Walking

Public transportation

Mayor – better bike areas (more established paths)

Fuel efficiency standards

City vehicles must be electric

Farm to fork to reduce transport distance of our food

Incentive carpooling, biking, public transit, drive less by driving bikes

#### Sticky Notes:

Starting services that focus on making electric transport more accessible like a quasi, jump, uber, that provide electric transportation to customers

#### 3 ideas

bring accessibility of electric transport available as a service private or public preferably better

pass legislation to renew transportation infrastructure

chasing minds, slowly and non-officially for both individuals and business

Make better laws that keep companies accountable for recycling

More encouragement for electric vehicles or bikes and transportation

Utilize my resources – carpool bike

Incentive to switch

Better kept bike paths

Increase accessibility

3ideas

easy accessibility

hold individuals accountable

increase amount of green transport in the market

#### **Better Transportation**

- Increase, promote, walking, jump bikes, more accessible
- Being able to take small steps, prioritize what we can adapt to easily
- Education- public regulating the media, internet expose people to the truth

We should prioritize laws that can make changes

For example, a law that requires a tax to fund public transportation

Bold ideas: laws that ban use of plastic that isn't necessary

Laws where it is more expensive to have a car

Question: Long Term strategies by 2030 to achieve carbon zero by 2045?

Incentive non-CA resident to buy electric vehicles

Jobs are telecommuting

Working from home

Public Transportation for Bay Area Commute to Sacramento Bart, light rail

Long Term 2030 goal incentive business instead of the consumer i.e. Tax Break

Do Now

Light rail route takes the long way. Should have more efficient route & more routes

Methods to improve California carbon emission by 2020

Green roots plants on building walls

Eco friendly architecture, solar panels roofs, avoid planned obsolescence

Having more climate change seminar. Reallocated funds to have scientist create more efficient energy system

Green infrastructure in new construction

Keep companies accountable

Push for everyone maybe require everyone to drive electric vehicles in the city Cut down on plastic

# What should be prioritize?

- Community engagement
- Laws that hold people environmentally accountable
- Create cheaper electric vehicles and prioritize public transit
- Invest in electric cars industry, tax incentives for every driver
- Get govt and companies to collaborate w/.each other
- Govt subsides for low carbon transportation manufactures

#### Question: What can we do now?

Instead of parking meter, include a charging station on street in replacement for parking meter

Extend public transportation hours for commuters from Roseville are to Downtown Sacramento

Have free charging at Sac State or charge per KM rather than per hour.

Have parking structure solar ready& solar friendly

More designated park & ride with longer hours of operation

More communication about ride sharing & public transportation

Eliminate street parking and add more bike lines

Free parking in parking garage in to eliminate street parking

Create more visible barriers for bike lanes

Extend sidewalk & combine bike lane and sidewalk together

Add more electric vehicle chargers

Designate more parking lots with charging station

Add more complete streets

More charging station for electric cars

Eliminate parking in garage & charging stations inside

Pay one fee or more street parking

More education and marketing toward solutions.

Staggered wont time to not contacts trains presidential message

Carbon capture or restructure compared to turn into alcohol. Patriotic marketing

#### Sticky Notes:

Pilot project

- give incentives to students who carpool to campus
- better bike lanes and cheaper bikes/ accessibility to bikes
- better public transportation

# Question: First steps that need to be taken for carbon zero by 2045?

education is important, community engagement

voting for environmental candidates, spread awareness

more bike lanes

new projects you would recommend

train, electric charging stations, more bike lanes, hybrid cars

farm to fork; carpooling / biking/public trans to work/school incentives

ideas for pilot projects

electric buses

Carpool more often

Ride bikes to school

Use public transportation

## Question: What can I do now?

Provide support for companies who prioritize electrics transportation.

Do all errands in one day, use cars as little as possible

Increase electricity capacity and efficient to make electricity more abundant to increase supply and maintain demand and lower cost

Switch to electric vehicles

Ride bikes or other 18 carbon modes of transportation

Legislation- offer incentives to buy low- carbon transportation.

Offer incentives

Lower price

Subsidize low carbon transportation

List other Ideas not Related to Session Topic Discussed by your Group

biofuels as well as electric vehicles

Great ideas to start at the local level

# **Community Health & Resilience**

Facilitator: Poya Gorgi, Roberto P Moreno, Roy Mutembei, Jon O Neal, Fallon

Participants: Wendy Romero, Stephen, Mark, Anahit Hovhannisyan

Question: Ideal Future for Sacramento and West Sacramento? Wild attracting economic developers support local economy?

Support local business

Bio- waste- how do we attach it

Health care access

Bus routes for hospitals

Low wage jobs

Educate inform our resident of options

How do we change the lifestyle that is auto centric?

More electric vehicles, mass transportation

Reduction in asthma/air borne illness

Subsides and grants to people with lower income that need the help to contribute

Reduce eliminate bunker fuels

Incentives for EV's (tax credit)

Alternative (jump bike)

Also consider those who aren't near Sacramento

Don't force educate

Language barriers need to be considered in communicating the changes

Schools can have more classes

E.V's assessable

Mass transportation

Start with industries have them invest in technology to reduce environmental impacts

Convince people that something is better rather than forcing people to give up necessity

More language translations to fix the issue

we have a very diverse US so not everyone may understand simple conversions.

Reaching out to communities to communicate hat are scared of conversion

To help ease them instead of force them with no reason

They try to take cars

Question: How best do we achieve the carbon zero goal by 2045

Green cars- all produce switching to electric

Industries- factories switching to zero carbon emission

This will result in cleaner, greener Sacramento

Plug in vehicles/electric- charging at gas stations, home, brick, mortar stores

Transportation that already exist needs to be cleaned and more enticing to use

Creating subsides for lower income communities affected by the tax

Better free public transportation

More affordable housing

Vision Progress

Vision less pollution, clean water, outdoors areas to go that are well taken care of & clean

Another student said "I think Sacramento will look the same people just making better choice and maybe riding more bikes"

It will look clean and green. There won't be smog and we will have beautiful parks. The sac state campus will still have beautiful trees. There will be more solar.

Shannon Swanson.

More environmentally friendly buildings, more plant based diets

Clean techs & cars

Make Sacramento public trans clean/green

## Question: What will Sacramento & west Sacramento look like if they reach o emission?

Hopefully more trees, no smug

Probably look the same, no visual difference, but maybe more likely enjoying the community

Probably a bigger city, not outward but upward buildings, built w/recyclable materials, reduce carbon emission

Cleaner, less smug, less people I the hospital for lung problems, less trash

Thriving environment, no smug, cleaner solar panels on house. It will look clean & green.

We will have beautiful parks.

Sac state campus will still have beautiful trees

What your vision of the future & your future & your family future?

Less pollution, taking care of the environment

More green effort in community/ cooperation

Less pollution, clean water

Better living standards

Having kids play inside instead of bad air days

Will look the same it could harness things we do not know about yet.

Hard to say what the difference will be

**Emission** 

Less pollution

Live in a better climate

Public places

Vision- hope to have my kids play outside without the worry of bad air days

Mobility & cleaner, less smog

Less people in the hospital less congestions

Less trash o the streets

More compact efficient with space, build up not out.

Subway

ΕV

new power sources to continue with my current standard of living or better

Hopefully more trees no smug, cleaner thriving environment

My future- hopefully less pollution taking care of the environment, maybe more green effort

Don't force/ educate instead; schools can have more classes focusing on STEM and solutions for problems that relate to our society

Legislation (but not too much too quickly)

Have community input in the planning of the routes of transportation and other solutions

Reach out too communities and get their input why they don't embrace the changes legislation

Tailoring information to the specific community

Samantha Swanson,

Initiatives within k-12 policies @ state level

Incentives to push people

Green skyscrapers, self-sufficient, cities, less tracking and shipping

Clearer skies

More electric cars

More environmentally friendly buildings

Planted based restaurants

# Question: Strategies by 2030 to achieve carbon zero

Educating younger generations

Solar panels- green city silos

Incentives to those individuals choosing to go green

Point system or tax break

Higher prices/taxes on gas and certain foods

#### Question: Long-term strategies

Any bold actions that will help reach Caron 0

Keep raise taxes for civilians, don't punish all companies

Incentives to encourage carpooling, busing, bike trail.

Make good campaign

More substitutes on solar panels. Put more charging stations for cars. Making it easier to have charging stations for newer homes though money

Could tac business, but asap reward them for green.

Find better ways for car to reduce emission, though money

Making buildings code stricter, make sure it follows, because there's water waste/ bad heating/ loss of heating. Put more money on recycling

Involve community – picking up trash

Taxing on air pollution from company.

Reward green efforts.

Companies must find way of better reduce carbon emission,

more lobbying for green efforts

Stricter building codes

A lot of wasted energy is in buildings

Investment in actual recycling only a small % of what we recycle actually set renewed

More regulation on driving (periodically)

More community involvement

Actively endorse green business.

Don't raise taxes

Swap to nuclear/hydro methods to capture store and convert CO2

Incentives to promote carpooling, better bus routes, bike-only streets that are more convenient

Miles app is a great way to make carpooling/ transit more fun

More location based data to promote carpooling

Removing backwards subsides

Incentives to begin biking and purchasing personal bikes

Community involvement

Bold Actions: commercial buildings utilizing more solar power

Subsidizing solar and subsidizing electric vehicle charging station

Requiring solar on all new homes

Laws, policies individual changes, corporate changes, more taxation to corporation or even tax breakers

Using technology to decrease carbon emissions

Find ways to increase "green energy"

More taxing on air pollution, water toxic dumping from corporation

More lobbying for green effort's

Question: How are we going to allow low-income communication to attain access to everything?

Utilized to power some things around the city

The machines at the will create Kinect energy – we can store the energy from local gyms

We need to take into account the factors and constraint that low income commissions face (food, money, time)

We need to advocate outreach information to low income communities to allow everyone including low income to have everybody adapt to these leads of mitigation against this trend on climate change

We need to make these ideas and aspiration s to become easily adaptable to everyone

Regardless of social economic status, racial, gender, etc. We as a community should allow people of all backgrounds to not only have the info that is being talked about, but we need to allow people to have what is going on in the city

Will electrification & renewable energy cost for residents?

How will our low-income families afford this new sustainable lifestyle?

Biofuel generation from green and food waste from restaurants

Found waste reduction from green stores& restaurants by feeding families in need.

Educate and inform our resident through school curriculum and school events to raise awareness

Raising awareness of issue of climate change

The data that is collected by Google should be used to present useful information for change

Billboards used to inform people of this message

Educational programs/conferences

Question: Strategies by 2030 to achieve carbon zero in 2045? What can we do now?

Call/ contact your representatives (assembly man)

Focus on the younger generation

Samantha Swanson,

What can I do now?

Creating more green transportation

Existing: sac state ollie- driverless bus.

Benefits individuals who are disabled

Educating younger generations to be conscious of the environment

No straws policy- some establishments have already implemented this law

#### Question: What steps must be taken to identify or produce new products

Things to make public transit more popular

Educational evens about it.

More design competition for biking/buses, etc.

Data acquisition – private

Micro transit form- carpooling together, function based on designation- a better option over bus

Encourage purchase of EV, bike sell& also build bike trails, better maintenance of forest/environment make sure there's fire prevention

Community health evens to all school k-12 at earlier

Existing projects: oil, more like them

EV buses to get rid of stigmas

Spare the air day

Decrease health insurance rate to people who don't eat red meat or as much

Incentives for public transportation, carpooling.

Discount on buses or scholarship for public transportation

50% increase of bus usage only

Wells – work on the bike that produce electricity- put it k-12 schools to funnel electricity for the schools

Have more events like this to inform the people.

Find out other ways to power the school

Safe bike trails

Build more products

Encourage purchase electric vehicles with tax rebates

Better maintenance of the forest to combat wild forest solve homeless problems

Host community health events at all campuses & schools

Oil

Spare the air days more often

Lower health insurance for people who modify their diets

Existing on sac state is when students are in the well the school uses the power from students biking to power classrooms

First steps, incentives for public transportation

Me carpooling

For student if they ride the bus/ public transportation more than 50% of the semester give the semester, give them a discount on their tuition or a "scholarship" doesn't have to be a huge amount

Build more products less perishability in mind.

Identify what products produce carbon emission & rebuild it to produce less

"make green the idea behind new products" not what will cash in the most money

Making biking more popular.

Design competition for that not just case stuff

Education strategies' data acquisition on routes

Private micro transits that function based on destination

First steps accelerated projects:

Have events like this to raise awareness

Making changes in our live s

Inform people around you

Safe bike trails

Cleaner grounds

## Question: What can you do individually to make this change?

Invest in an electric vehicle

Recycle (incentives)

Educate on the importance of not littering

Educate children from early age

Ride a bike

Classes more only

Work (telecommuting)

Diet- cutting out meat, beef, chicken and fish

Using more public transportation

Buying/driving electric cars

#### Question: What can we do for our 1 steps to make progress? How to get started

Grants for environmental studies like carbon bike.

Nikes more accessible.

Design better commute strategies.

Green Clubs k-12

Take cold, short showers, water grass, or fake grass

No more use plastics water bottles, guide family toward greener ways, EV cars, eat chicken/ fish use less plastic bags, get more involvement

Recycle more, buy a bike, solar energy for house

Reusable items/bags/bottles.

Vegan/ Vegetarians

Carpooling with friends.

Motivation. Support get an EV.

Participating in community events

No more using plastic bottles.

Guide my family in carbon zero ways

Only drive car when necessary

Have next car be an EV car has las emission

Eat more chicken and fish

Use less plastic

Get involved

Individually start recycling more

Bike more carpooling wherever I get a chance

Try to save energy

Try to save energy

Luckily into solar 7 possibly buying a newer car?

Grants for student organization that push new technology

Cargo bikes tiny homes, better solar, commuting research, marketing campaign

Green education/clubs in the elementary- high school level

Make a close loop system for single use containers

Right now , reusable items

Don't eat meat

Try to carpool

Need motivation & support

Work toward getting EV

Participate in community events

Encourage companies to produce greener product through incentives/ rewards or make it illegal to purposely produce products that ae perishable

community effort cleans up the river trash or park trash hard out reward or cash over amount or by measuring trash start building more bike trails encourage local govt to dot

## List other Ideas not Related to Session Topic Discussed by your Group

Why no one take public transportation

Rather ride a bike, tired of it no motivation

Kids blaming if there is a emergencies its quicker on car

Safety lack of it.

Long way to travel, don't know how to get here/constant switching

Instead commute/carpool with friends

Live on campus – no reason to go often on the bus

Goal: reach near 0 carbon emission by 2045

Plant trees etc. Offset: must local real measurable \$45-\$50per ton

Gov. Brown propose 80% reduction

My future will be living in the city & bike transit commuting more.

Volunteering for good causes

Returning to college help with potential green concepts

# **Equity**

Facilitator: Chase, Yu, Jose

# Question: Identifying key elements of carbon neutrality

Need for affordability – avoid gentrification in development

Solar panels, affordable

Cheaper electric cars – tesla too expensive for example not affordable for regular people

Need public transport

Sustainable farming – avoid pollutants

Improved affordable technology

Use of emissions from transport. Battery research.

Income gap subsidies for green tech.

River cleanup

Attack root cause of river pollution with unhoused issues.

Solar panels everywhere

Amazing public transport

No disenfranchised areas

More greenery

Zero gas cars on the road

To live as much self-sustainable life as possible. I want my family to have access to better mobility, and just recycling, the city have more accessible housing, more small business, local business.

Communal homeless people living/tiny housing. Social security or disability into sustainable living, incentive the homeless

Transition to electric cars

Accessibility and improvement in urban development

Community development

Efficient public transit/transportation

Farm to fork capital

Urban farms in schools/neighborhoods

Solar energy

Wind energy

Replacement concrete (hemp)

Carbon tax  $\rightarrow$  it's a tax on carbon similar to tax on. Brings in money to government Cap and trade (food, etc.)  $\rightarrow$  a check on companies, doesn't bring in money

Air pollution and minority groups  $\rightarrow$  companies has built places around toxic places  $\rightarrow$  known as environmental racism.

Why should we grant benefits to companies who have polluted our air? Brings to question class equity Even though we have cap and trade/carbon tax, it will still have an effect on minority communities Better air quality, accessibility  $\rightarrow$  think about how will be accessible to make jump bike more affordable (a barrier to some communities)

Justice  $\rightarrow$  social justice and power to hold big companies accountable for their actions

Environment should be an equal playing field

We need to stop giving communities an unequal playing field

Question: Thinking long term - Policy? Technology? Regulations? Ideas for bold actions.

Tech – cheaper, more affordable

Resource extraction issues – nickel toxicity

Issues of environmental hard from manufacture and extraction

Exporting environmental destruction abroad in manufacture and extraction

No/little incentive to become less destructive

Companies responsible

Technology-sustainable, built to last

Public funding rather than private

Green new deal type funding

Public ideas- student competition, summits

Lasting green infrastructure

Policy and regulations

Make easier for people to live more sustainably

Less driving: faster more efficient pubic transport. Safety.

Investment in public transit. Light rail

Extending student transport passes for JUMP bikes

Force or incentivize tech

Hard to incentivize – need to regulate

Air quality concerns

Need to get used to regulations culturally

What would work in Sacramento?

Cost to company concerns

Regulation is the only thing to force change

Subsidies incentivize

Need to be reliable, affordable

Green development, city planning to be equitable

Include green development as standard in new developments

Sustainable landscaping, urban planning

Smart technology metering

Public tech for smart tech – not private

Businesses are responsible for emissions

Lifestyle changes are important too

Long term community building

Better urban planning more accessible grocery stores.

Things in a good amount of walking distance.

Equitable planning, lifestyle of people of color thought of when making policies

Accessible transportation

Pods, cheap strong material

Sources for health

Triggers for mental health

More affordable housing

Start young k-12

Moving funds from one part of the government to another

Accessible recycle centers in low income areas

Be conscious of all classes and make them prioritize equity

Safety housing for homeless

People center, disadvantage centers for rehabilitation

More government involvement

Carbon tax on gas stations in richer areas and on corporate owned gas stations

Priority to lower-income people for unskilled labor

Government pays for green energy in low income neighborhoods and take part of profits after it pays itself off

Lobbying climate change at a local level

Policies for schools to go green and give green mentality to young minds

Carbon tax

Look at one's personal life and see how you can change your own life

Solar roofing

Home gardens and produce for local communities

Take barriers into consideration

Build more awareness, educate people on what carbon zero is, where it comes from etc.

Giving access to minority communities on how to live more sustainable, most people live just to survive and faces less at outside world

Smart planning: SF transportation → make public transportation open

Sac fails in empowering communities to invest in their own communities. Build stores, jobs closer to where you live. Strengthen public transport! We need to start using what is already here. Buy membership to drive in freeway, implemented in some areas  $\rightarrow$  class division  $\rightarrow$  fast track

Time is money → takes a burden on society

New York law: if you're driving into Manhattan

You have to pay a certain amount just to get in

Pro less carbon, con people isn't convenient have to find another way

Sac is a commuter city  $\rightarrow$  Public transportation needs to be enhanced and clean

Improving local small business. If only some hold more power it creates unequal distribution of wealth and opportunity.

## Question: Immediate first steps

Subsidies for green tech

Curb rising cost of housing

Sharing ideas

Starting discourse

Events like these, education

More ideas, more possibilities.

Reaching out to more communities, not just students.

People most affected by inequality

Other places

New York – congestion feeds to public transport

SMUD hourly rates @ peak hours

Make sure these things are equitable hit poor people harder. Income scaling? Subsidize?

Finland? Hydro power plant does not harm fish

Non consumption, not associated with dam/aquifer

Biodiesel projects, algae/fish nutrients?

Vertical wind turbines-Tech not accessible

Parking lot solar, building roof solar

Projects to test on campus

Expanding research projects

Energy storage, mechanical batteries use momentum, no toxic elements

Opportunities for student research funding

Housing standards – local – needs to be tailored to local climate

Tiny house projects to test material construction

Cooperative housing management

Accountability, equity

Everyone holds a stake-communicate more democratic processes

Incentives, track how much you use public transportation

Public transit, educate communities

Those who have access to Cal Fresh can access Jump Bike discounts, sharing networks, more sustainable

Tax on goods (and how far they need to travel and resource it takes to reach us)

Investing in communities, smart growth

Car tax rollback on incentives car ownership

How can we change agriculture without affecting those who have used it all their lives?

Exploring restriction on agriculture pollution (milk)

California wildfires, example of how rich and poor are effected differently and inequitably (Flint, Keystone)

## Question: What can I do now?

Attend events like this, volunteer, be more active in community

Use public transport

Plant trees in cities

Use recyclable materials such as aluminum over plastic, specialized recycling

Share information with others

Multipurpose reusable containers

Bulk – make more accessible

List other Ideas not Related to Session Topic Discussed by your Group

Prevent big natural disasters

Where are the projects taking place? In communities of color

Hold big polluters accountable

Community gardens, smart growth

Carbon tax will hurt low-income families who are just trying to make a living and survive Cap and trade won't affect low-income communities directly

Accessibility

Electricity

Justice

Strategies

Prioritize community health

Prioritize amendments legislation that restricts access

Solar energy

Educating low income communities

Exploring restrictions on agriculture

Less polluted air through policies

Incentivize local businesses (especially in agriculture)

Public transit

Every person of Sacramento, regardless of their racial, sexual, or socioeconomic background, will have an equal opportunity to prosper without environmental or circumstantial restraints.

Invest in local businesses

Carbon zero plan should begin with underrepresented communities/poor

More natural resources since already a lot of trees/nature

Improve air quality

Build more awareness through local communities, schools

How to be more sustainable

A lot of research and pilot programs to test efficiency of strategies

Public transit educate to younger generations

# **Community and Youth Engagement**

Facilitator: Joh Rodriguez

Participants: Amanda Wild, Kristen Weddle, Zach Cimagie, Esmeralda Gonzalez, Helen Hernandez,

Zara, Myat

# Question: How could we agree on implementing carbon tax?

Education at an early age; why should they care how could they assist?

Incentives – tax credits/ rebates

Senior class project on climate change

- Self-research

Implement incrementally @small amount

Don't call it a tax!

Give choices on how to pay for these taxes

Utilize social/media how to involve community

More incentives for home renovations & behavior changes

Carbon sequestration incentives in homes (i.e. Green roofs)

Expansion of renewable energy besides solar (i.e. WIND)

Student field trips to water treatment plants & other sustainable things

Start with community

New recycle system like other country like Japan

New to change in education and medical system in

Don't make it all seem so hopeless. It scares people away

Start with younger youth

Neighborhood activities

Getting to know the people in the community

Be relatable

# Question: What will Sacramento and west look like when we achieve carbon zero? What your vision for future, your family or city future?

I hope to see more co-ops and community leaders hosting classes on sustainable living in the home. I hope to rid our county of all disposables.

The region will look like: an efficient, reliable and comfortable public transit system. Reduce dump sites and more reused/recycling centers

All forms of transportation are carbon and methane free. Common diet involves foods that have smaller spaces and fewer resources to produce lab grown meat, insect based foods, move away from intensive foods like almond and cow meat

Less health issues in terms of air quality and breathing, housing within the area

Clean river, less health issue like asthma, better air quality, more rain

# Question: What can we do tomorrow to help climate changes?

#### Take transit

- But make better policy to regulate
- How carbon tax dollar

"Vote" with your dollars- support ecofriendly companies

Get to know neighbors/community to help implement change

New recycle system

Incentivize homes with less trash, but be weary of those taking advantage

Take advantage of low cost energy

Vote!

purchase energy efficient light bulbs

Buy energy star appliance

# Question: How do we engage our neighbors?

Youth take public transit / bus

Media, better transportation, recycling

Community farming/gardening

Community challenge competition (trash clean up)

Farmers market- with events

Field trips (tree planting at SacTree)

# Question: What can educators do to help implement climate change education

Contest/ requirements for sustainability/ zero-waste

Environmental unit un ALL schools

## Question: How best to engage community now

What are the first steps that need to be taken in order to implement identified strategies to encourage every person in our cities to change behavior?

Any ideas for pilot projects?

Test on campus or in our region

Workshops on how to be zero waste or classes to teach how to male reusable products

Places to be able to refill product like shampoo or groceries

Eco friendly food choices for kids

Solar toys

Reducing plastic use at school when transporting food by cooking and prepping everything in the schools Farmers market at school

Gardening and summer programs

Educate at a younger age that way it becomes natural

Pilot project: a day of not driving your car, Tax breaks if you have an electric car

Facebook groups for farmers and co-ops so that they can post their info and even on media

Their info and evens on media

Short term subsidies and tax breaks

Try to reduce food desserts

Free places for farmers to sell their goods

Effective marketing of farmers markets

## Question: What's something we can do today?

Walk to School!

Model behavior to others – set example on how to be green

Don't judge, be respectful of other opinions

# Question: what can I do individually as a first step to make progress?

Carpool and have "no drive days"

Start with things at home and educate children

Making websites/media more accessible and understandable instructions

Learning about what can go into compost

Learning about how to recycle properly

More areas to recycle, make more accessible

A lot of counties don't have compost bins.

access to more compost bins would be easier to recycle

Voting for people who support these issues

## List other Ideas not Related to Session Topic Discussed by your Group

Educate on how to vote

Media attention should focus to climate change

Mis- information is a big deal – alternative facts have fueled many anti climate change

Sponsored ads to distinguish "fake news" from actuality

# **Green Jobs**

<u>Facilitator</u>: Lucy Miller, Craig Coppin, Julia Burrows <u>Participants</u>: Anna, Annie Wil, Meredith Taylor

#### Question: What will Sacramento & West Sacramento look like when we achieve carbon zero?

Less traffic, big problem: smog & traffic.

Things less green because there is less water in the city

Hopeful that it'll be more green.

Greener Sacramento overall

Better carbon tracking being put out, to check who/what is creating more carbon to reduce carbon output in specific spot rather than a whole area

Cleaner river

Better air quality

More energy efficient

Solar panels mandatory on new buildings

Sustainable landscaping, stored runoff will reduce water use

Drought resistant

Green line (transportation) in downtown

More green friendly transportation

More public transportation, less cars

Bring back clean air school busses

Better waste management, more recycling places or easier access to those recycling centers

More public awareness of "green" living

Electric rental cars/bus/transportation

Renewable energy products; Solar; Gardening CA plants; Inform people; Teracycle for schools; Clean air; Lots of plants & trees; Teach gardening skills to grade school class; Or building; More green building schools; Green planes/boats; More info about careers

# Question: What's your vision for your future, your family's future and your city's future?

Electricity will be cheaper in the future

More public education about recycling, star them young and at schools

Cleaner transportation incentive for families to meet carbon zero

#### No more wildfires

City future-

Clean air, plants and trees

More option ride bikes

Incentives encourage dire 0 emissions car, hybrid, EV, incentives clean air

Bike downtown with cars

Designated lanes – public transit, no cars

High efficiency and accessibility has 50-80

Suburb public transit, clean work map

Time → added more busses

Walk to work. Feel safe increase walkability parks and natural spaces

Natural spaces separated sidewalks. Trees and parks

Equity: Urban gardens → feed hungry

Section 8 housing, community gardens food

Green roofs - vertical family food

Job training pipeline, good health care

Education friendly-taxes evenly distributed under performing

**Apprentice** 

Four-year degree skilled labor

You or family –

Tiny house off grid

Tiny house minimalist way

Rural community know your neighbors

Local food

Build and monitor potable delivering water

Clean water for ALL

Teach children build and garden

Conservation or natural resources

State agency/water board families vs. fish river

Bioremediation fungi and bacteria to break down polyethene, oyster mushroom, breakdown diesel

Jobs in R&D for improved infrastructure

City planning around the idea of denser inner-city living

Question: What ideas do you have for the best strategies to create green jobs in our community? Attract new industries? Incentive retrofits?

Continuing to help the solar panel industry

Educational jobs: educators that inform the public about going "green"

More green interior design

Retrofitting buildings = construction

Civil engineering: sustainable engineer helps build something that will last for a long time

Outreach group to public and private companies

More sustainable engineers

More transportation jobs = less car use

More security on public transportation

High paying positions – free training. Clean inspections.

Fuel efficient cars – specialized chargers and training

Teach green family techniques

Create jobs, less travel, telecommute

Staggered commute

Infrastructure environmental focus and friendly

Hydroelectric

Off the grid infrastructure projects

Concrete, water filter through

Pump water, grey water

Surface water collection. Asphalt alternative, recycled materials.

Localized system

Require purchase local farms first

Small farms within Sac County

Disincentivize

Update appliances

Blue collar workers, low emission appliance

Carpenter educate more

The need for higher paying – for free training

A way to encourage green jobs

Charging station for cars – workers

Farming techniques

Off grid efficiency

Energy efficient appliances

No pesticides

More opportunities for riding bikes

Encouraging incentives for driving PZE or hybrid or electric cars

Working in conservation or natural resource sector

Growing food PZE car

Living close to my job – no commute no fuel

Bioremediation water engineer

High efficiency (accessibility) public transport

New train lines; better bus lines

Community garden – Section 8 gardens

Work in bioremediation using researching fungi to breakdown oil contaminants and plastics

Large community – localized food production and localized work/telecommute

Asphalt alternatives (recycled)

Telecommuting promotion

Green infrastructure projects

Porous parking lots with remediation and water filtration below the lot

Surface water collection for gray water use

Having a green job will inspire my children to aspire to do the same

Training and focusing on jobs for lighting retrofits for more sustainable technology

Develop green job programs in trade-schools

Over half of the jobs should be considered "green" in the emerging market

What bold moves can we make to change things? De-stigmatize vocational school and incorporate sustainability into their programs

Question: What are the first steps that need to be taken in order to implement identified strategies to encourage new jobs in the region? Any ideas for pilot projects we can test with university students, new graduates, or technical/vocational studies?

Encourage bike usage among students so that the city can be or starting to get used to bike users Safety on public transportation

Breaking the public transportation stigma

Less parking spots, more use of public transportation

More technologically savvy

Better customer service in transportation

Increase funding for busses

More routes, more trains, more busses

More public transportation in low income communities

Incorporate other communities

More bike lockers, encourage bike usage, or bike parking lots

More regulations in communities

Community garden

Farmers markets

Professionals going to educate the youth

Volunteering or making it mandatory

Social media awareness to influence green job popularity

Percentage restriction on which jobs can be green

Tax subsided meat products

Rent-breaks for people living in student housing to work on sustainable caretaking of the property Incorporate rooftop gardens for new buildings can sustain the weight and solar/rainwater catchment systems for buildings that can't

Better paving under freeway – central city

Cut emissions. With lights or freeways

Transportation first – motivate with money

Tax incentives individual and corporations with to switch

Electric cars rent/loan

Drive electric

EV jump bikes – scooters

Bike lane causeway - keep bike lane during expansion

Light rail to airport

Light rail trains academic

Farming/agriculture

Apprentice training

Use local food resources

More sustainable energy

Upcycling stores

Minimalist lifestyles

Individual goals – use better transportation

Switch to more efficient appliances Recycling/compost

Greywater/rainwater collection

Fixing broken appliances

Upcycling

Teach green farming

Create jobs that travel less

Creating green infrastructure

Alternatives to asphalt

Localizing systems

Replacing appliances to low emission

organic

Tiny house

Aldo Leopold restoration

Sustainable water sources

Working green jobs

Eco-friendly transit

Bioremediation

Live in a community

Teaching family green habits

Walkable/bikeable

More natural spaces

More public transit stops

Urban gardens

Solar panels

Tax incentives

Public transit

Renting cars

Jump bikes

Urban gardens

**Parks** 

Training academies

Clean streets, clean air

Plants, trees

Electric public transit

Better suburb public transit

Infrastructure, all retrofits need to be environmentally focused and friendly

Are we using hydroelectricity to its full availability?

Low impact design focused

Help build and monitor sustainable potable waterways

Available to EVERYONE

Question: What can I individually commit to do as a first step to make progress? How can I create demand that in turn creates a new green job?

Practice what you preach – use less water and energy, get others to do the same More bike as a form of transportation

Tell others / reach out to families to recycle

Start recycling at home

Volunteering to pick up trash, recycling

Volunteering at ESO (in Sac. State)

Inform children on how to recycle, making it fun and rewarding

Considering take/using a bike

Start green mentality on young children

Use public transportation more

Help homeless community – have them pick up recycling in exchange for money

Write to your state representatives!

Support ideas through consumerism

Continuing my education and helping with making available, potable water

Reduce, reuse, recycle

Gardening

Individually carpool Davis

Have an app to match for carpools

Switch more efficient appliances

Renewable energy products

Solar at home

Reduce reuse recycle

Educate people, gray water

Community design

Teracycle at schools

Fit it workshop once month

Compost collected at landfill

Bicycles resell and reuse from landfills

Clean internet, green jobs, engineering honor society

Student input environmental engineering

Focus on better transportation

Have an app that you can use to help with carpools

solar

Teach green farming techniques

Create jobs that focus on less travel

When ships are at idle, have them turn off if they are parked for a certain amount of time

Parts of downtown off limits to cars

More focus on parks

More eco-friendly cars

Work at agencies that focus on matters like this

#### List other Ideas not Related to Session Topic Discussed by your Group

Public transportation was a major talking point throughout the session

Green ribbon week

Elementary school programs focusing on green energy, recycle, and clean up

Added security on light rails and busses at night

Public transportation (bus) funding increase direct routes to campus

More awareness and encouragement on green jobs, projects throughout Sacramento

Government funding or tax break (incentive) to help families install solar panels to meet carbon zero goal

Elementary education "green" classes

After school program

Green companies to retrofit structures for carbon zero

Outreach group

Low emission public transportation

Less cars on the road

Sustainable landscape

Drought resistance

LID low impact density

Solar panels on top of skyscrapers

More public transport

More school busses

Public education – recyclable items

Using recycled paper instead of plastic cups in fast food businesses

Maybe with organic agriculture? Recycling something with reusing

Future – LEED green building

A cleaner river

Better air quality

A greener city, more trees and less drought

Easier access to recycling

My vision for the future is more awareness on becoming more green; green jobs, electricity etc.

Tax deductibles in community gardens and other "green" programs

Building more community garden

Helping homeless community. There's plenty of "green" benefits. Pollution, waste management

Stamps or magnetic stamps for busses. Ex: Sac State Magnet on Bus to show this bus goes to Sac State

Better bike storage

Public education for sustainability

Better waste management

Breaking the stigma on public transportation

Less fires

Less smog

Less traffic

Clean air to breathe Greens

# **Financing Climate Investments**

Facilitator: Darren Singh, Chase, Ski Kountz, Bethany Griffith

Participants: Deanna Daly, Jacob Schoonover, William Morton, Jennifer Ochoa

# Question: What is the ideal future for Sacramento and West Sacramento?

GRID – solar panels for low-income families

Sustainable buildings

Small gardens in front yards rather than small patches of grass

More awareness of green practices

Alternative transportation

Go bike, bikes, EV's, public transportation

Issues: safety of bikes, cost of EV's, health/safety of EV's

Income c. sol from prevents & public sectors?

- Tax breaks for energy concise choices
- Ease of access to green products
- Price reduction for sustainable goods

How to increase and attract investment?

- Inform climate change is happening
- Provide tax breaks to those who invest
- Make cleaner stuff more available

inform the public create a pressure for need of investments give sectors a sense of urgency incentives could be tax breaks, ease of access, lower cost of "green" products

Taxing car usage per mile

Tax breaks allow for lower prices

Tax break

Lower sustainable goods

Military spending

Defund conventional transportation programs, use state subsidized funds intended for local govt, to establish fund and operate eco-friendly transportation programs

Military spending cut congestion tax – light rail

National sale tax

Car manufacture tax

Prop distribution

Green innovation incentive

Hard cap & tax rate increase

Non-transfer over subside

Financial choice

Subsidizing

Congestion tax

Taxing corporation or car manufacturing companies who sell product (like cars) that contribute to carbon emission

Green lotters- development grants for transit

Education

High yield green

End dairy subsides

Military spending

Distribution

National sale tax

Ways for cars to less carbon

Efficient spending proper distribution

Companies that are more innovated in green

Cap usage

Large subsidize on the state

Non-transferrable subsides to the ca=companies

Inform people

Companies going green

High returns on bonds

Krypto currency

more carpooling, public transportation more use of renewable energy, LEED certified buildings, more trees energy efficiency

Having an electric car more community engagement, public gardens, more common ground among people, bridging the political divide

Raise traditional grain laps on non-green

Recycle, new school doesn't allow (shocking) went to school district to set up a recycle system. Brand new school what's is left is student outreach, educate young, Tanker are bad for the environment

To subside of corn ethanol sugar cane. Converting to ethanol base. But consider the environmental effects of farming corn

Jump bikes more into the city life to substitute cars. More robust public transportation system to help people be more comfortable taking Roseville to intel light rail .

More routes. Light rail doesn't get student in traffic.

Transportation: free builds that reduce traffic flows – non-in Sacramento

Decreasing traffic would help with emission.

Big banks – we only invest in green local banks. Local banks should do that. not invest in big bad things (oil companies)

The city is growing, that would mean more traffic in the long run

So light rail would be the best alternative. properties involved through legal fees. Elevated light rail, don't have to buy the land

San Francisco example elevated light rail that works

Trash clean ups after big events like 5ks, concerts, games, etc.

Have Sacramento host clean ups with local business to sponsor

The school didn't know the recycle system was fine Lack of education about green opportunities.

Grid- Solar panels in low income areas

Public transportation better quality regional transit is outdated

Irrigation system

Carbon tax=gas = less emission, more innovation, review for govt- tax break, invest in sustainable ideas

Rebate for low-income = unfair, one rides bike, one drives car- both get money back

Congestion tax= carpooling should reduce emission.

Uber/lyft etc. double cars and inc emission

#### Question: What will Sacramento and West Sacramento look like in a carbon zero future?

More solar, trees, electric cars

Become energy efficient vision

More of a common ground

More public transportation

More trees

Energy efficient (lights that turn off)

More trees because they're carbon closets city of tress

More carpooling, trees and lights on

A more efficient city

**LED Certified Buildings** 

**Energy Efficiency** 

Having certainty that from years to come the planet won't be inhabitable

More solar, trees, electric cars

Become energy efficient

Vision:

More of a common ground

More public transportation

## Question: Ideas for attracting investors?

- Promote grant writers
- States & local government that are investing in green tech should be granted funds from federal pooled to contest.
- Green fund at business and city level established
- Mandatory class on environmental issue required in high school) prompt education & awareness)

#### Long term idea to attract investment

- Important on grants
- Grant writers
- Provide grant to those who have the most carbs emission

- Green fund

#### Prioritize

- Make loose regulation than tighten it
- Education about climate, emission
- awareness

Separate lottery that contributes towards greener

Cap on driving limit

Less usage of petroleum

High yield return in investment/bonds

Crypto currency

Raise capital gain tax on nontraditional green investment

Fat tax on fast food corporation

Subsides on dairy farmer

More schools need to have water refills station

Question: What can we do now?

More grants & writers, collaboration between states, sustainability fund

Prioritize laws and regulations, education making an environmental class mandatory, making green practices fashionable and desirable

Ban certain single- use plastics, public transport, urban composting w/ticketing it not followed

Tax breaks

Useless plastic

Targeting old people because more willing to invest for the future generation to live

Ban single use plastic on campuses

Separate trash

Awareness mandatory

Classes

Tax cuts

Solar roads

 $1^{st}$  steps: make environmentalism "fashionable" and accessible to a broad variety of people, try to ban single-use plastics, cellulose

Question: What can I do now?

Composting throughout campus, ban plastics on campus

Long Term Strategies:

Make going green fashionable

Ban single use plastic unless its biodegradable

City wide compost collection program

Enforcement= fines= funds

More gardens

Carpooling

Ride and bike

Electric & hybrid cars are expensive, but I want one

Diet – less meant & dairy

Buy local product to reduce pm from hepps

H20 catch system

Garden

New planting research & deal (20 wheel)

Carpooling

Turn off lights when not using

Eat more farm to table

I can carpool w/ other student, more fuel efficient car, fly less, eat less meat & dairy , grown personal food in my garden , farmers market

I, myself to improve and to start – carpooling, becoming aware of my decisions

Use less & single se plastics, straws,

Grow own small food – already have chickens and small garden

Expand garden

Catch rainwater for garden use

New schools should have an environmental implementation

It's actually not that costly to have green programs

More refills water stations; electric cars

Look more into agriculture and how to save water

Ground water use

Levies on our dam so it doesn't break.

Trade cars- cash for clunkers—for trading cars

Gas emitting

#### Question: What can we do now?

Hydrophobic roads

Forest management

Control burn to shrubbing - So that forest doesn't burn down

Involve SMUD in control burn

Legislation formal require to environmental plan

School & building inspections for green programs Configurations & recycle programs Water station

Trash pick-up complete times a month. Around water resources Eco glitter for grad pics- advertise refill madness

Sponsors local eco-friendly business like refill madness Smog checks – product differentiate

Considered buying products that one more environmentally friendly

Student education/fundraising for water prefilling stations Volunteer, center for requesting help – conduct for small business

Educational programs to find out how you can help the environment

Case studies from what other countries do that work

Tax on animal products –grow rice (takes a lot of water)

Taxing meats- making the product cost subsidize the cost efficient of the farm

Edibleeducation .com Circulate more resources And their cost to consumers

Submitting legislation to raise awareness to Sacramento

Financially: grant writers for more research Is it possible? Yes, but major changes need to happen