

## Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

Renewable Portfolio Standard

Add 2050 goals for: water use reduction.

Water use reduction goal should be total use, not per capita

Amount of allowable

Not metering at retail rates needs to be expanded.

Track compliance of current <sup>building</sup> code

Do spot checks of compliance - check how <sup>city</sup> bldg. officials are doing.

Track gallons of fuel purchased, annual mileage per vehicle -  
part of annual vehicle registration process.

Track air travel. Incentivize businesses to use video conferencing.

° track fossil fuel (FF) investments for electricity  
and transportation versus RE & EE investments

° measured @ CEC, CPUC (of course) but also

@ the local Air District, and county by county &  
city by city

° not achievable by 2050 but it must be

clearly stated in report the goal is at minimum a  
Carbon Neutral CA. (negative Carbon CA is what is  
actually necessary)

(over)

Susan Wright

Ernest Pacheco  
ern.pacheco@ca.gov 4/12/2019



Marianna Grossman  
650-520-7003

### Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

- Like what is there
- Missing urban forest to mitigate particulate matter from highways / transportation corridors
- Integrated management of infrastructure for multiple purposes - brownway + infrastructure
- complete streets (trees, water, etc.)
- Increase spending on public transit to accommodate mode shift
  - operations (more trains / buses)
  - maintenance
  - capital investment in vehicles + system extension
  - ITC for system responsiveness + convenience
  - integrate with bike / ped. / parking
- Integrate vehicle to Grid for balancing electricity system

Table Discussion #2 (continued)

Key metrics: <sup>change</sup> Ratio between renewable & fossil energy generation sources

Shift fuel sources (gas to electricity for example)

Reduction in per capita energy demand

measures too simplistic; need to be defined

Gina Blue

925-348-7605 cell

or 510-428-0399 home

## Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

7/11/11

What do you like? What would you modify? What's missing?

- promote local generation (in-state) of energy?
- water desal. options? how to ↑ water supply,
- rather than % reduction goals, better to set goals for water use per capita, per activity, per crop
- VMT standards should be different by mode
- item 2: ZNE ~~to~~ for new construction not enough - need retrofit + absolute energy efficiency goals
- metrics are too high-level - need granular definition
- local agencies already having trouble implementing Calgreen, so enforcing ZNE goals even more challenging.
- critical transit infrastructure needs to be adequately funded + safe (see BART breakdowns)

Maureen Pouton County of Marin

(415) 473-7593

mpouton@countyofmarin.com

## Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

- ★ (1) - like #1 Move Marin Clean Energy (CO<sub>2</sub>'s) kept down the state! Localize, distributed energy systems!  
- ~~helps support healthy environment~~
- (2) - Metric about going beyond 33% from renewable sources by 2020
- ★ (3) - if we expect to reach 2050 goals, the vision should point to the more drastic, ambitious goals of 2050.
- (4) - zero net energy hard to achieve w/ individual buildings. Hard to do in multi-family sector  
For example, work enough real estate to solar
- (5) - (4): Do we begin to collectivize these goals over neighborhoods or ~~districts~~? Districts?
- (6) EV-charging stations  
Clean air → need clean vehicle infrastructure to support this goal. People want to move in this direction. Open the gates & get people excited about energy conservation
- ★ (7) jobs → get people able to work remotely  
gotta be a job & housing balanced regime.

# Buckley Portfolio

## Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing? (feasibility)

Active transportation (biking, walking)

Energy Storage capacity (feasibility)

How does EGPR influence / take into account cap and trade markets?

Community communications + engagement.

## Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

(1) There could be some metrics ~~is~~ included initially with #5

(2) The scale of steps is insufficient to ~~de~~ decarbonize the economy except as initial baby steps.

E.g., We'll need to ~~get~~ undertake steadily increasing RPS percentages to 100% renewable energy

Alex Levinson  
415 710 4142



Steve Miller  
415-308-2142

**Table Discussion #2 (20)**

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

How do state/regional sustainability plans link up and leverage one another.

What ambition should <sup>we have for</sup> future (state) goals contain and how do these tie to local MPO goals.

Promoting public transportation over individual vehicles.  
Transformational shift where individual vehicles is secondary.  
Capture younger generation phenomena - urbanization + less vehicle dependency (zip car)

SB375 - Calculate VMT on per capita. As population grows then we won't see real reductions.

EE: What about existing housing/buildings

Communications across populations where English is not first language.

**Table Discussion #2 (20)**

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

• Vehicle miles traveled needs to be measured  
with a context of population and/or pop growth/change

#6 improved water efficiency - an easy goal to  
measure + enforce.

Goals need a number + time deadline  
(#4, 5, 7 need to be more specific)

Building codes?

Jeff Caton, ESA  
Grant Ballard, Point Blue  
Sarah Moore

In targets, change CO2 to CO2!  
Carbon Dioxide  
Cobalt Z??  
to non-scientists

Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

More research needed on life cycle GHG of natural gas (e.g. methane release)  
of natural gas building material  
LCA of ~~building~~ building material  
METRICS

\* "Decarbonize" ~~and~~ - does it translate?

\* zero-emission carbon - lifecycle or tailpipe?

driverless cars/pods = advanced clean cars.  
& efficient systems

\* Need smart water & electric grids

- \* → just tracking/measuring water use - better forecasting & reservoir management
- comprehensive water policy
- graywater systems
- groundwater monitoring

→ ~~more~~ more microgrid strategies  
EVs & solar PV, etc.

\* Not enough \$ incentive to be on a distributed energy provider to the grid

\* Incentivize local food & materials (use of) (farm to table)  
to reduce life-cycle energy/GHG impacts & resource

\* Price on carbon!

\* What can we do about airline emissions? e.g. LAX → SFO commute  
→ need a metric for this!

Meredith Lee

meredith.lee@caph.ca.gov

**Table Discussion #2 (20)**

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

Metric: energy efficiency is not a metric → energy intensity <sup>of existing building</sup>

Goal: bring existing building to current code

Metric: beyond exceedances - # of allowances

Goal: inc urban greening → idea to reduce energy demand

Goal: Clean transportation fuels = needs to ~~be~~ ~~expanded~~ ~~to~~ <sup>be expanded &</sup> ~~definit~~

Goal 5: is this getting at reducing UMT

Metric: % mode shift

pg 17

← Goal / metric: harnessing/facilitating private investment <sup>through financing programs</sup>  
Renewable investment in communities <sup>by PACE & On Bill</sup>

Metric: additional ~~new~~ measurements than criteria pollutants

~~Goal~~ Goal: Fuel switching (pg. 17)

Metric: energy demand metric should be by fuel type

General Question: Decarbonize → is this accessible to

~~people beyond~~ a more lay audience?

## Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

- ~~Missing the 2050 time horizon. translate all metrics to 2050, & reference 0% reduction target~~
- ~~Missing water use metric — target largest users of water (= irrigation) by incentivizing efficiency/technology upgrades in water delivery.~~
- ~~upgrade unit (per house) metering (for water use) in all counties/cities~~
- ~~Goal #3 for clean vehicles requires upgrades to infrastructure to enable widespread plug-in ability at every home/office/etc.~~
- ~~Missing metric for carbon sequestration~~

contact: crystal@openspacecouncil.org

# Demetrius - scribe

## Table Discussion #2 (20)

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

(4) (Transit) in addition to UMT as a transport metric.  
What do you like? What would you modify? What's missing?

1) What specifically is "decarbonization"?

33% by 2030? or 100% by when. Goals need more ties

2) # 2: Is this only applied to new construction?  
What about existing buildings

3) Need to have clear, more aggressive goals

+ detail as to how we are going to get there.

4) Nothing here about alternative transportation /  
AFV infrastructure

5) Need more measures re. water - not only  
reduced consumption.

6) Do we really want to be tied to Federal  
standards re air quality? (subj. to changing  
Administrations)

7) Need fuller organization:

- a) over-arching goal/vision for ex. compact
- b) clearer organization
- c) metrics/measures seem limited

Jeresa Lee

**Table Discussion #2 (20)**

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

- Metrics need to be translated into  
"for individual, community terms actions"
- How + why - "what's in it for me?"
- Water usage - how do we compare to others?
- Enhancing <sup>individual</sup> ~~in~~ + <sup>community</sup> ~~com~~ participation  
through incentives + disincentives aimed  
at connecting the goals to down to the  
<sup>individual</sup> ~~individual~~ <sup>community</sup> ~~community~~ level.
- Metrics measure things like rebate  
programs, education <sup>+</sup> outreach, ~~etc~~  
~~into~~

**Table Discussion #2 (20)**

Ed Church

Given the Bay Area context, please review and comment on the proposed EGPR goals and metrics for "Decarbonize the State's Energy and Transportation Systems" (Handout B).

What do you like? What would you modify? What's missing?

Measuring Water

Measuring GW and making public available

Carbon footprint - Carbon tracker website

CEQA coordination

Regulatory structure

Water footprint

Radical <sup>Goals</sup> vs Incremental steps to achieve them

Land use vs Water-use p. 16 of draft  
on Decarbonize

Add State stds. → CO<sub>2</sub> other goals

Building energy efficiency

Global Footprint network info to measure life cycle of what we import and export.