Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

How does planning itself help?

Plan status = ?? Plan to do plan?

Need Adaptation Status = planning, implementation, evaluation?

e.g.: Including adaptation measures in CP?

Need: just include plan, evaluation of vulnerability (including ad. cap.);

+ plan for iterative modifications based on changing conditions, thresholds.

Need more Process Indicators: transparency, stakeholder/civic engagement;

Need: multi-year participation?

Direct climatic measures - precip? Implementations of water supply

More abt usage - ag output per unit, ag water efficiencies

Also - direct climatic measures - extreme heat days

What abt using indicators from OEHHA report (2018, right?) etc.

How are you tying these indicators into planning?

After measuring, then what?

- Are you updating thresholds (e.g., definition of drought, extreme heat)?
- Scenario planning?

- What do planners need to know?
  \( \rightarrow \) Boundaries - range of plausible conditions \( \rightarrow \)
Table Discussion #3 (20)

Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

How does planning itself help?

Plan status — ?? Planning to plan? Are you planning? Helping?

Need Adaptation status — planning, implementation, evaluation?

e.g.: Including adaptation measures in GP?

Need: just include plan, evaluation of vulnerability (ad. cap.)

+ plan for iteration, modification, based on changing conditions, thresholds

Process indicators: Transparency

Stakeholder/citizen engagement

Response/participation

Need: timing of prep. also

Direct climatic measures — any of protoc? Implementation of water cycle

Need info. (how, what, specifics)

Mail + usage — ag output per unit, ag water efficiency

Also — direct climatic measures — # extreme heat days

What abt using indicators — % of SLR

From OETHA report (2018, right?) etc. etc.

How are you using these indicators into planning?

After measuring, then what?

— Are you updating thresholds (e.g., definition of drought, extreme heat)
— Scenario planning?

— What do planners need to know?

→ Boundaries — range of plausible conditions
Table Discussion #3 (continued)

Need tie to action plan!

(not just plan on shelf)
Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

- Metrics:
  - Number of government bodies with authority to oversee and administer resilience response.
  - Adaptation plan status - whose adaptation plan? At what scale? Who's involved?

- Before developing metrics, need to look to examples (e.g. insurance industry, European countries) and best practices.

  - Incorporating engineering and building code standards.

  - Key indicator of climate change

  - Measure impacts of climate change

    - Human
      - Health
      - Economy
    - Water
    - Food

- Stress index
Table Discussion #3 (continued)

<table>
<thead>
<tr>
<th>#</th>
<th>jobs created through resilience initiatives</th>
</tr>
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Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

* Scenarios analysis for flooding, drought
* Accountability & maps for flood analysis - sea level
* Percentage of forest management to reduce risk
* Resiliency of community engagement for disaster awareness - how to be resilient

* Managed forest & urban forest interface
* Management & wild lands
* Awareness of threat levels & actions to help one another
* Green infrastructure for PM removal, heat island, erosion control

Emergency preparedness

* Property value degradation along flood zones
Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

- Emergency plan status
- Planning/adaptive
- Metrics for adaptive capacity needs flexibility
  - Planning isn't everything
  - Needs to address reality
- Local agencies

- Address need for ways to address local challenges: "saying no" building
- Considering SLR
- Metrics: more fires, events, local win + trend
  + related effects

- Hazard mitigation planning as adaptive metric
- Capacity: staff, political will, tech knowledge, resources, planning
Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for “Build Climate Resilience into All Policies” (Handout C).

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

- Important note of local governments (not state government)
- Engage local communities into conversations on climate change
- Start to think about water zones
- Local jurisdiction
- Look at triggers and plan for them
- Local governments cannot help when there is an extreme weather event
- More indicators: snowpack, wildfires, food prices
- Precipitation - needs to be specified
  -> Might be the same, but more storms?
- Numbers: how much land is being taken out because of drought
- Investment in adaptation (infrastructure, rebuilding sea walls)
- Insurance companies - dealing with people building houses in vulnerable areas
Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

Add to key indicators:

- Species migration + extinction
- Particulate matter
- Prevalence of hazards

Change "Precipitation" to "Changes in water supply, quality, and frequency of precipitation"
Table Discussion #3 (20)

Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

State needs to require climate action plans & adaptation plans.

Pick an expected level of sea level rise ~3 feet & everyone to plan for that.

Engage insurance industry & FEMA — Plan for retreat after king tide events and/or pre-emptive retreat as it makes sense.

Inventory community resources — label as assets or vulnerabilities depending on the type of impact.

Whole class of indicators measuring # of housing units, people, infrastructure units vulnerable to various extreme events, e.g., # of people susceptible to a foot storm surge, etc. (droughts, floods, heat waves)

Number of agencys, municipalities, etc. with climate adaptation plans

Create mechanisms to facilitate radical re-purposing of coastline

Amount of intact ecosystem of various types

quit lowballing possible/probable degree of warming and impacts — speak clearly and bluntly about the massive problems coming

armoring (SLR) last resort — resiliency and even retreat OK.
Table Discussion #3 (20)

Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

* I like that need for research is first "key action"
* indicators should reflect CA State Indicators Report
* increased monitoring at a local level ≠ local impact analysis (county level or watershed level)
* adaptive capacity
  + urban greening/parks
  + development in 100 yr flood plain
Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for “Build Climate Resilience into All Policies” (Handout C).

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

- Missing metric/indicator: public and/or private assets in $ that are at risk of sea level rise.

* Missing metric: habitat & species refugia (e.g. terrestrial landscapes that will retain moisture & cool temps within a warming/drying climate scenario – this data exists on CA Climate Commons & in the Conservation Lands Network @ www.bayarea.lands.org)

- Missing metric: target elevation of sealevel rise → what’s the # we need to plan for? How high must we build levees? And what will it cost to get there? Perhaps consider this metric as one to be developed at the local scale to accommodate variation...

- Missing metric: recharge/runoff rates

* Tie to action! Need metrics/guide for an adaptation plan—rather than asking whether a plan works. Plan robustness matters.
Table Discussion #3 (20)

Please review and comment on the proposed EGPR goals and metrics for “Build Climate Resilience into All Policies” (Handout C).

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

1) All sections need to be formatted similarly, more consistency across sections.

2) Indicators:
   - $ invested in adaptation projects
   - Incorporate into planning as an assessment criterion.

3) Need to project scenarios & game a value of what needs to be done.

4) State needs to organize a baseline assessment process.

5) "All policies" is too vague; not necessarily taxable.

6) Look to business continuity plans to require climate risk planning + measure % of companies that do.
**Table Discussion #3 (20)**

Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

- Indicators lacking: such as water storage in reservoirs/snowpack, # of extreme heat days.

- Adaptive capacity

- Action plan for worst case scenarios: i.e., multi-drought

- Diversity of your energy portfolio

- Most important yet most poorly developed

- Planning guidelines for more i.adapt

- CEQA updating guidelines that impose requirements on new i.redevelopment.
Table Discussion #3 (20)
Please review and comment on the proposed EGPR goals and metrics for "Build Climate Resilience into All Policies" (Handout C).

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

- Doesn't reflect status of actions to address climate change
- Acres of land vulnerable to flooding/sea level rise
- Development a means of sustainability level measuring for community
- Develop metrics for adaptive plan quality assessment

Statewide Water Plan Success Measures
- Track for future

Community
- Thresholds for flooding
  - Water level, length of time flooded