

12 March
14

Sara Moore scribing
w/ G. Ballard
+ J. ~~Cater~~ Cater
+ Kara Vuicich
+ Amy Dao

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?

Plan status = ?? Plan to plan? How does planning itself help?
Need Adaptation Status — Are you planning, implementing, evaluating?
e.g. Including adapt'n measures in GP?

don't just include plan, evaluation of vulnerability (including ad. cap.)
+ plan for iterative modification based on need

Need more

Process indicators: transparency } Changing conditions, thresholds
Stakeholder/civil engagement + response/participation #s

Need: timing of precip. also

Direct climatic measures — amt of precip. ≠ implementation of water supplies
Need info. More abt usage (than amt. of precip.) — ag output per unit, ag water efficiency

Also-direct climatic measures — # extreme heat days
— # extreme storms
— amt of SLR
What abt using indicators from OSHA report (2013, right?) etc. etc.

How are you trying 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 →

12 March
114

Sara Moore scribbling
w/ G. Ballard
+ J. ~~Caron~~ Caron
+ Kara Vuicich
+ Amy Dao

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?

Plan status = ?? Plan to plan? ^{How does planning itself help?}
Need Adaptation Status - ^{Are you} planning, implementing, evaluating?

e.g. Including adapt'n measures in GP?
don't just include plan, ^{need} evaluation of vulnerability (including ad. cap.)
+ plan for iterative modifications based on

Need more
Process indicators: transparency } ^{changing} conditions, thresholds
Stakeholder/civic engagement & response/participation #s

Need: timing of precip. also
Direct climatic measures - ^{amt of precip?} ≠ implementation of water supplies
Need info. More abt usage ^(than amt. of precip) - ag output per unit, ag water efficiency

Also-direct climatic measures - # extreme heat days
- # extreme storms
- amt of SLR
What abt using indicators from OSHA report (2013, right?) etc. etc.

How are you trying 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 ^{climate resilience ideas into} engineering and building code standards

- Key indicator of climate change

↳ Measure impacts of climate change

- human
 - Health
 - Water
 - Food
 - Economy

↳ stress index

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?

- * Scenario Analysis for flooding, drought
- * Accessibility ^{Access} of 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 w/ urban forest interface
- * Management of wild lands
- * Awareness of threat levels ; actions to help one another
- * Green infrastructure for PM removal, heat island ^{reduction}, erosion ^{control}
Emergency preparedness
- * Property value degradation along flood zones

Allison Joe 916-~~524~~ 341-7371

allison.joe@sge.ca.gov

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? — fire, EMS, city

— Emergency plan status — local services don't always address heat emergency, flood in plans

— Planning/adaptive #.

— Metrics for adaptive capacity needs flexibility

- planning isn't everything
- needs to address reality

— local agencies

— Address ~~info~~ need for way to address

local challenges → "saying no" ~~building~~ considering SLR

— Metrics: more fires, ^{heat} events, location + trends, + 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?

③ MISSING

- important role of local governments (no time to wait for state governments)
- engage local communities into conversations on climate change
- start to think about water zones
 - local jurisdiction
- look at biggers and plan for them
- local governments cannot help when there is an extreme weather event
- more indicators - snowpack, wildfires, food prices for California agriculture
 - precipitation - needs to be specified
 - might be the same, but different summers (warmer) → higher precipitation
- numbers of how much land is being taken out because of drought
- investment in adaption (infrastructure, green 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?

Susan Wright State needs to require climate action plans & adaptation plans.

Pick an expected level of sea level rise - 3 feet. Get 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.

Andy Jones Whole class of indicators measuring # of housing units,

people, infrastructure units vulnerable to various

extreme events, e.g. # of people susceptible to

6 foot storm surge, etc. (droughts, floods, heat waves)

Number of agencies, municipalities etc. with climate adaptation plans

Create mechanisms to facilitate radical repurposing of coastline

Amount of intact ecosystem of various types

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

o armoring (SLR) last resort - resiliency and even retreat OK.

Alex Leumer
aleumer@fnc.org
415-609-9165

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?

• like that need for research if

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 greenery / 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 on 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.bayarealands.org)

- missing metric: target elevation of sea level 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: ^{water} recharge/runoff rates

* tie to action! need metrics/guide for an adaptation plan - rather than asking whether a plan exists. 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:
e.g. \$ invested in adaptation projects
incorporate into plans as an ^{impact} assessment ref.
- 3) Need to project scenarios + gauge 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 tangible.
- 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 \Rightarrow reservoirs / snowpack, # of extreme heat days

- adaptive capacity

- Ability to plan for worse case scenarios ie- multi-disasters

- diversity of your energy portfolio

- most important, yet most poorly developed

- ~~Planning guidance for new + redevelop~~ ^{require}

- CEQA update guidelines that impose requirements on new + redevelopment.

W. A. Guma

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

Areas of land vulnerable to flooding/sea
development a means of sustainability level
measuring for community

Develop metrics for adaptive plan quality/assessment

Statewide - Water Plan Success Measures
tracked for future

Community thresholds for flooding -
Water Level length of time flooded