



Adaptation Strategies Working Group Meeting Minutes
October 24, 2016
Hayward City Hall, Conference Room 2A

Participants

Jenna Judge	NOAA
Liv Herdman	USGS
Dale Kerper (by phone)	DHI Water & Environment
Elizabeth Murray	USACE
Maya Hayden (by phone)	Point Blue
Lauma (Jurkevics) Willis	California Department of Water Resources
Bob Battalio	ESA
James Gregory	ESA
Matt Brennan	ESA
Robert Dickinson	Argos Analytics
Liang Xu	Santa Clara Valley Water District
Michelle Iblings	Alameda County Flood Control and Water Conservation District
Rohin Saleh	Alameda County Flood Control and Water Conservation District
Sybil Hatch	Convey, Inc.
Buzz Berger	Rail Pros
Brian Rowley	Caltrans District 4
Dan Matthies	Wood Rodgers
Jeff Carson	City of Hayward
Michael Barber (by phone)	San Mateo County

Meeting Summary

- Rohin Saleh gave a summary of the prior Adaptation Strategy meetings, and discussed two handouts:
 - Prioritized Needs Inventory (11" x 17" List of 21 Items) with votes tallied from June meeting
 - Draft Scope language for the Highest Prioritized Projects (#1, 2, 5, 11, 12).
- Michelle Iblings gave a summary of the BAEMCC/ CRI Workshop held in Fremont on September 27th entitled, *"Responding to Sea Level Rise in the South Bay: Local and Regional Implications of Alternative Future Shoreline Configurations."*
 - Technical Presentations, goals, objectives, and agenda are available online at:

<http://baecc.org/links.php#respondingsealevelrisesouthbay>

- Brainstorming sessions about identifying and prioritizing actions, as well as filling data gaps; Summary of the brainstorming sessions will be posted on the BAECCC website above.
- Potential future work includes a similar North Bay Workshop, and a followup South Bay Workshop within one year.
- Discussion of other Bay-wide Adaptation Planning activities and sedimentation studies
 - SPUR SF Game of Floods – Marin County’s interactive SLR adaptation game
<http://www.spur.org/events/2016-10-18/game-floods>
 - SFEI Planning/Annual Meeting – Jeremy Lowe & Rusty Holleman presentations on dredged material – we should leverage their knowledge.
 - Karen Thorne with USGS has studied sediment augmentation at Seal Beach and other areas of CA.
 - Who from EPA should we involve to consider quality/contaminated soils?
- Liv Herdman presented on the USGS modeling efforts.
 - The “operational model” couples fluvial input (GHM) with the existing Cosmos model.
 - Current GHM extents are focused on the Napa and Guadalupe River watersheds.
 - Currently using point discharges and modeling results to “head of tide”.
 - The goal is to reduce the GHM to 1 km grid and add other major Bay fluvial inputs.
 - Summary of sedimentation studies and monitoring in Bay (by Gilbert, Schoelhammer and others)
- ESA/Argos presented on climate change trends and impacts to future precipitation and flooding.
 - Potential for future “extreme” SLR projection (99th percentile as identified by Dan Cayan)
 - Even in “best case” heat/emissions scenarios, 3 ft SLR is projected by 2200. More information about West Antarctic melting and feedback will be available in 10-20 years.
 - Presented three methods for analysis of future precipitation impacts (1. Downscaled climate data used in hydrodynamic model; 2. Future IDF to modify occurrence risk; and 3. Use Future IDF in Direct H&H Analysis)
 - Q&A Discussion on reservoirs and water supply planning and management. USBR Flood control Grant for LA county used to look at storm water that infiltrates into groundwater for water supply. CV Basin Study may also be a good resource. USACE also has funding for projects that can quantify/reduce risk.
- Rohin presented a case for two “simple” tasks in addition to 21 Needs Inventory.
 - Invitation to a working group that would produce a White Paper in 4-5 months
 - Task 1: Identify thresholds for restoration in South Bay
 - Task 2: Use Cosmos water levels and topography to identify thresholds for local/regional projects.
 - These may be best performed with a stage-storage analysis in GIS, or even by taking the European “flood cell” approach.
 - Discussion of current similar issues and efforts: SAFER project looking at Menlo Park and Redwood City connection; Mountain View wall connected to a land fill.
 - Elizabeth suggested a potential online visualization tool and/or heat maps rather than stating outright thresholds. Users could then determine thresholds
- Next meeting will be used to refine scope of work and create a Road Map for a White Paper product