

US EPA ARCHIVE DOCUMENT

HAWAII & CLIMATE CHANGE

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Air Quality - Hawaii

- Current conditions
 - Attainment statewide
 - VOG
 - Local issues
- Climate change effects
 - Uncertain re: AQ
 - Heat & drought; fire danger
 - Warmer ocean; more, stronger storms
 - Fewer clouds

OTHER EFFECTS

Beaches, what beaches? SEA LEVEL RISE

Drinking, what drinking?

Freshwater AQUIFER SHRINKAGE

Birds, what birds? HABITAT & SPECIES

SEA LEVEL RISE



Aug 27th, 2007 high tide plus 50 cm

SEA LEVEL RISE



Aug 27th, 2007 high tide plus 1 m

- Dr. Charles Fletcher, Professor and Chair, Department of Geology and Geophysics, UH-Manoa
- His and other climate change technical presentations at HECO IRP-4 Advisory Group Information web page, 6-8-07 session. Start at www.heco.com

THE PUBLIC

- Knowing
 - Accept/reject warming?
 - Foot prints – personal role?
 - What to do/ Options?
- Doing it
- Inevitability
 - other countries' conduct
 - adaptation

HAWAII'S ACTIONS

ACT 234, 2007

- Target: 1990 GHG levels by 2020
- Redo 1990 emissions inventory
by 12-1-08
- Task Force: work plan & regulatory
scheme by 12-1-09
 - \$500K/yr x 2 for inventory & task force, DBEDT
- DOH rules by 12-31-11 (No FTE/\$ added)
- [http://www.capitol.hawaii.gov/session2007/bills/
GM1005_.PDF](http://www.capitol.hawaii.gov/session2007/bills/GM1005_.PDF)

The Climate Registry

- Hawaii a founding member, 2007
- 39 states, DC, 3 tribes, 2 Can Pr, 1 Mex St
- Standardize actg & rptg, comprehensive, single, accurate, transparent
- Policy neutral
- Start accepting reports in 2008
- <http://www.theclimateregistry.org/>

Hawaii's Energy Actions

- Hawaii energy law & policy
 - 20% renewable by 2020
<http://www.hawaii.gov/dbedt/info/energy/policy/>
- Governor's biofuels summit 2006
<http://www.hawaii.gov/dbedt/info/energy/renewable/biomass>
- Hawaii 2050 Sustainability
<http://www.hawaii2050.org/>

COLLABORATION

- Western Climate Initiative – HI watching
 - HI GHG Task Force just starting
- Other organizations
 - EPA: DOH has CAA delegation
 - EPA: Clean Energy-Environment State Partnership Program
 - Western Regional Air Partnership <http://www.wrapair.org/>
 - National Association of Clean Air Agencies
<http://www.4cleanair.org/>
 - ECOS Climate & Energy Subcommittee <http://www.ecos.org/>
 - ASTHO, State Environmental Health Directors
<http://www.astho.org/>

SHARE DATA

- Exchange Network – 50 States
 - NEI, AQS data flows now from some
 - <http://www.exchangenetwork.net/>
 - Mitch.west@exchangenetwork.net
- The Climate Registry – Exchange Network
- Exchange Network – other GHG & Air work
- Programs, IT, States, Regions, need to talk
- We have an opportunity to miss an opportunity

FURTHER WORK

- HUMAN FACTOR:
CHANGING BEHAVIOR