

RRGI In Maine

CO2 Cap & Trade Legislation

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Commissioner, Maine DEP
RRGI Forum
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IPCC “Climate Change 2007”

- 4th assessment report
 - 4-volumes
 - 800+ authors
 - 2500+ reviewers
 - 130+ countries



INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE



IPCC “Climate Change 2007”

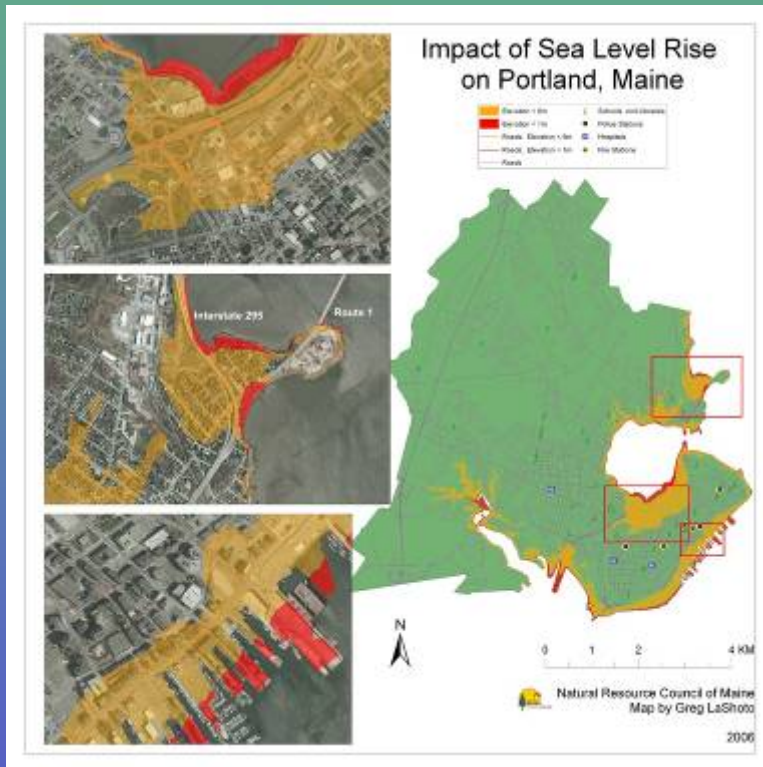
- Summary For Policymakers adopted Feb. 2
- Projections:
 - 3.2 - 7.8°F (1.8 - 4.0 °C) temperature increase in next century
 - 7 - 23 inch sea level rise in next century
 - 23-foot sea level rise over several centuries
 - Sea level will continue to rise for centuries even if ghg concentrations are stabilized

IPCC “Climate Change 2007”

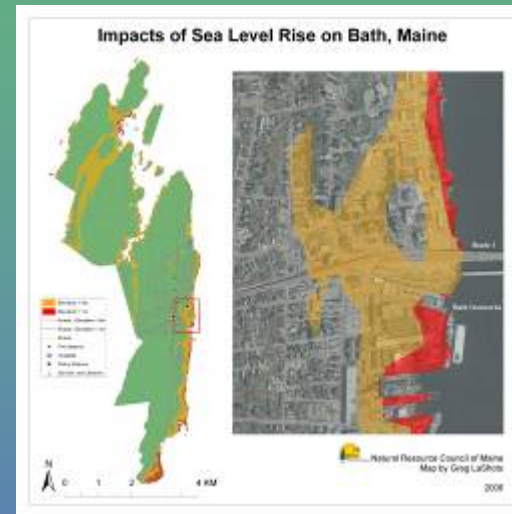
- Projections:
 - Snow cover to contract
 - Sea ice to shrink in Arctic and Antarctic
 - Heat waves, heavy precipitation very likely to become more frequent
 - Hurricanes likely to become more intense

Sea level rise in Maine

Portland



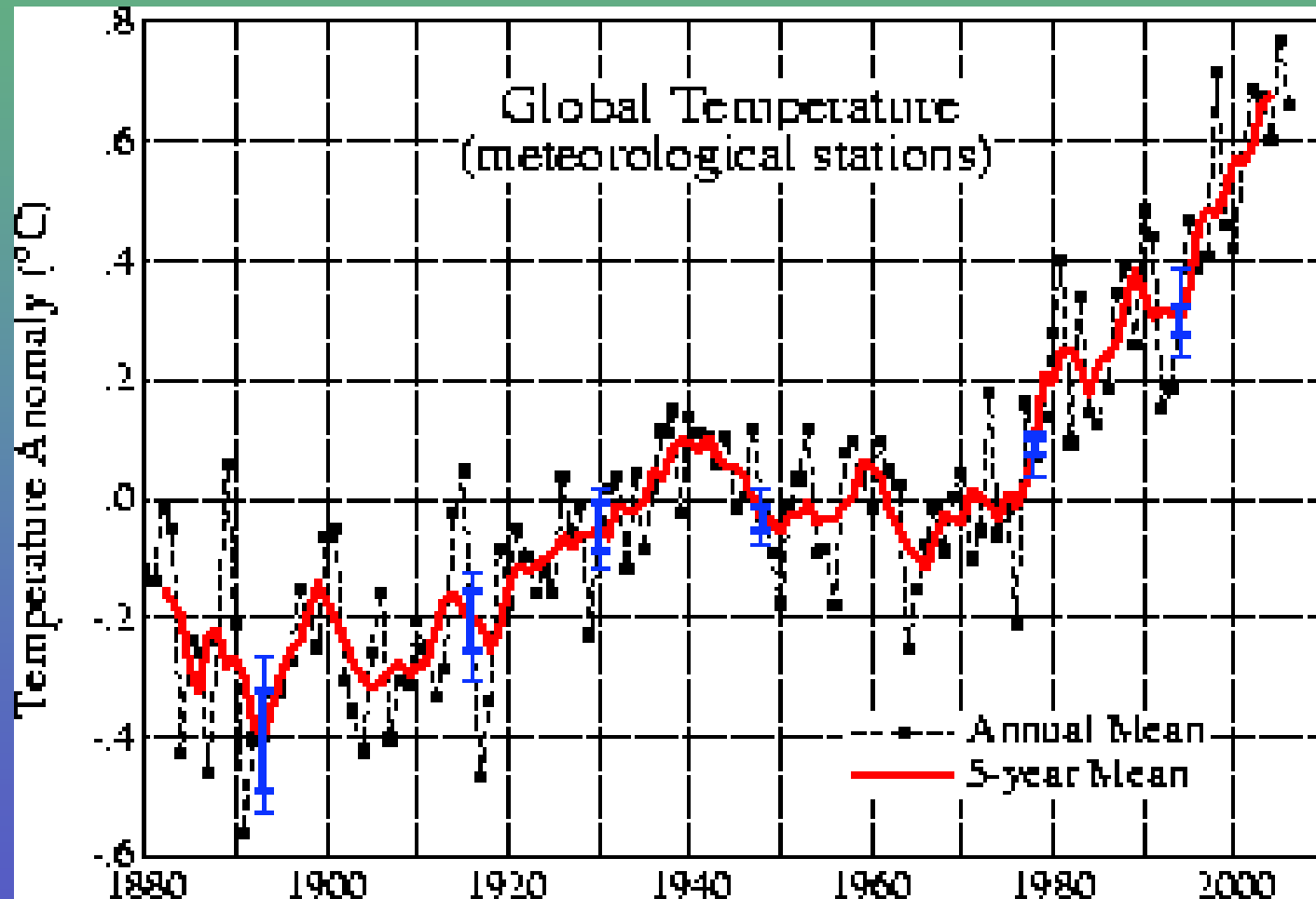
Bath



Pine Point,
Scarborough



Increasing Temperatures



From: NASA Goddard Institute for Space Studies

Climate Change impacts in Maine

- At risk:
 - Land
 - Resources
 - Timber industry
 - Forests
 - Plants
 - Wildlife
 - Human health



RGGI Legislation—Cap-and-Trade

- Establishes CO₂ Cap-and-Trade Program
- Commences Jan 1, 2009
- CO₂ Reductions
 - 10% emission reduction by 2018
 - 35% reduction over business as usual
- 100% of allocations for Consumer Benefit

RGGI Legislation-Affected Sources

Affects fossil-fuel electrical generators

– >25 MW; 10% power to grid

- Six sources in Maine
 - Calpine - Westbrook
 - Casco Bay Energy - Veazie
 - Florida Power and Light - Yarmouth
 - Rumford Power - Rumford
 - Verso Paper – Androscoggin Mill
 - Verso Paper - Bucksport Mill

RGGI Legislation—Advisory Board

- Establishes Advisory Board to:
 - Advise on use of revenue for consumer benefit purposes.
 - Advise the DEP Commissioner and PUC Chair.
- Efficiency Maine Program to:
 - solicit and review grant applications
 - recommend to the DEP Commissioner and PUC Chair as to who should receive awards for consumer benefit projects.

RGGI Legislation-Consumer Benefit

- Refining consumer benefit portions of draft legislation to:
 - Obtain Greenhouse Gas reductions and benefit Maine's economy.
 - Avoid inadvertent impacts
- Consulting with environmental and business entities



For this presentation and other related information visit our website
www.maine.gov/dep/air/rggi.htm