

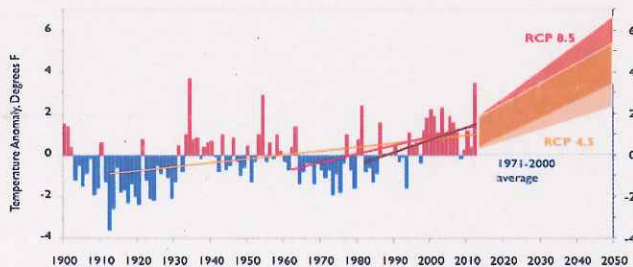
CLIMATE CHANGE EFFORTS IN COLORADO

Update in accordance with HB 13-1293

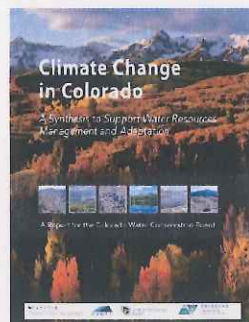
OBSERVED CLIMATE

- Colorado has warmed 2°F in the last 30 years and 2.5°F over the last 50 years.
- No long term trends in precipitation have been detected.
- Increased trend in drought severity over the last 30 years.

Observed Colorado Temperatures & Projected Temperatures by 2050



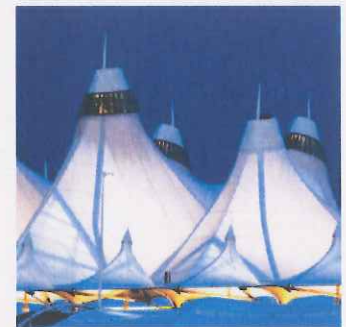
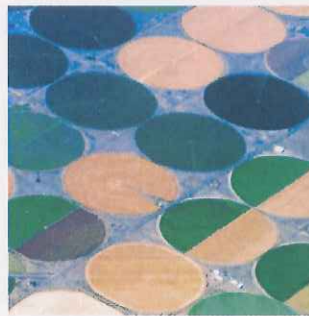
CLIMATE CHANGE IN COLORADO: A SYNTHESIS TO SUPPORT WATER RESOURCES MANAGEMENT AND ADAPTATION (2014)



- Colorado-specific findings on observed trends, modeling, and projections of temperature, precipitation, snowmelt, and runoff.
- By 2050, models project between 2°F to 5°F degrees of additional warming for Colorado.
- For context, with temperature increase Denver's seasonal cycle would resemble: Pueblo at 2°F, Lamar at 4°F, and Albuquerque at 6°F.

CLIMATE CHANGE VULNERABILITY STUDY (2015)

- An assessment of the key climate change vulnerabilities facing Colorado's economy & resources.
- Examples of findings:
 - Decreased groundwater supplies, coupled with increased demand.
 - More frequent conditions for wildfire.
 - Reduced streamflow and earlier snowmelt timing.
 - Impacts on electric grid, airports, public health, and crops.



COLORADO CLIMATE PLAN (2015)

- Climate plan will meet the requirements of HB 13-1293, which calls for the development of a plan that sets forth a strategy to address climate change and reduce greenhouse gas emissions.
- Will address both mitigation and adaptation to climate change.
- Will include collaborative statewide efforts across several sectors with contributions from DNR, CDOT, CDPHE, CEO, & CDA.