



## AMERICAN METEOROLOGICAL SOCIETY

45 BEACON STREET, BOSTON, MA 02108-3693 U.S.A.

TEL: 617-227-2425  
FAX: 617-742-8718  
E-MAIL: [amsinfo@ametsoc.org](mailto:amsinfo@ametsoc.org)  
WEB: [www.ametsoc.org](http://www.ametsoc.org)

KEITH L. SEITTER, EXECUTIVE DIRECTOR  
E-MAIL: [kseitter@ametsoc.org](mailto:kseitter@ametsoc.org)

3 November 2014

Barbara Cargill  
State Board of Education  
Texas Education Agency  
1701 N. Congress Avenue  
Austin, Texas 78701

Dear Chair Cargill:

A recent study by the National Center for Science Education (NCSE)<sup>1</sup> found that several of the textbooks being considered for your adoption contain factual errors in scientific information related to global climate change. In particular, some of the textbook material implies — incorrectly — that the role of humans in changing the Earth's climate is not well established. As noted in the American Meteorological Society's statement "Climate Science is Core to Science Education"<sup>2</sup>

The primary findings of climate change science have been well established in the peer-reviewed science literature and replicated by numerous independent investigators and methodologies. Blue-ribbon panels of scientists convened by organizations such as the National Academy of Sciences have carried out formal evaluations of scientific studies and provide a consensus opinion regarding climate change. Leading scientific organizations beyond the AMS<sup>3</sup> (e.g., American Association for the Advancement of Science, American Geophysical Union, and European Geophysical Union) have considered the state of the science and are in consensus on the topic as well. There are small scientific differences as research continues to refine the details, but there is strong agreement on the primary findings and essentially no controversy with respect to them.

Presenting the science correctly is just as important in textbooks covering the social sciences as it is in those used to teach science. We urge the Board to only adopt textbooks that are as scientifically accurate as possible and to insist that publishers ensure that their texts are as accurate as possible in all respects.

The American Meteorological Society and the American Association of Physics Teachers would be happy to help connect you with members of the scientific community who could review textbooks for scientific accuracy.

Sincerely,

Dr. Keith L. Seitter  
Executive Director  
American Meteorological Society

Dr. Beth A. Cunningham  
Executive Officer  
American Association of Physics Teachers

cc: Josh Rosenau, Programs and Policy Director, National Center for Science Education;  
McGraw Hill; Pearsons

<sup>1</sup> <http://ncse.com/files/Texas-social-studies-report-2014.pdf>

<sup>2</sup> [http://www.ametsoc.org/policy/2013climatesciencecorescienceeducation\\_amsstatement.html](http://www.ametsoc.org/policy/2013climatesciencecorescienceeducation_amsstatement.html)

<sup>3</sup> <http://www.ametsoc.org/policy/2012climatechange.html>