This PowerPoint presentation, W*arming World: The Science of Climate Change*, is a collaboration between Paul Gross, WDIV-TV, Detroit, and Climate Central, a science and journalism non-profit organization in Princeton, NJ. It is an extension of the goals set forth by the American Meteorological Society Committee on the Station Scientist.

The information in the presentation has been reviewed for accuracy by the Executive Director of the American Meteorological Society.

As many broadcast meteorologists are asked to give talks at civic organizations, this presentation has been designed to give an introductory overview of climate science to adult audiences without a science background. In addition, broadcast meteorologists are frequently asked to visit local schools to discuss weather and climate topics. Plans are underway to develop this presentation for an elementary school audience.

The presentation highlights much of the core information on climate science at a national and global scale. There is a section of the presentation (45-53), where the meteorologist can display trends that are closest to their markets. Consult the notes section of each slide to access the graphics that coordinate to that specific slide.

For example, Slide 46 (*Normals are warming*) can be accessed for several media markets. The enclosed example is Detroit, MI, however, other markets can be accessed at the link:

http://www.climatecentral.org/climate-matters-2016#newnorm

The presenting meteorologist is free to remove slides for brevity, or include new slides for a more in-depth presentation. This presentation serves as a guideline.

Three slides (28, 29, 32) contain movie files which are on auto play. The movie file in Slide 32 is larger, meaning there will be a delay of a few seconds before the movie begins to animate.

In addition to the PowerPoint file, the presentation has also been saved as a PowerPoint Show (ppsx) format, to expedite loading the presentation into a PC.

For Mac users, be sure that Keynote has been installed on the computer, then the PowerPoint presentation should play on the Keynote client.

***Warming World: The Science of Climate Change***

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Alaska’s Muir Glacier. Via NASA. This particular pair of images shows the glacier’s continued retreat and thinning in the second half of the 20th century. From August 1941 to August 2004, the front of the glacier moved back about seven miles while its thickness decreased by more than 2,625 feet. http://climate.nasa.gov/climate\_resources/4/

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NASA/Goddard Space Flight Center GISS and Scientific Visualization Studio. These data and the animation are from NASA GISS: <https://svs.gsfc.nasa.gov/cgi-bin/details.cgi?aid=3975>

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