

**State of California
Air Resources Board
Board Item Summary**

**Item # 21-11-1: Public Meeting to Hear an Informational Update
on the Intergovernmental Panel on Climate
Change Sixth Assessment Report: Findings and
Implications for California**

Staff Recommendation:

This is an informational item only. No action is necessary.

Discussion:

In August 2021, the Intergovernmental Panel on Climate Change (IPCC) released the first part of the Sixth Assessment Report (AR6), *Climate Change 2021: The Physical Science Basis*, from Working Group I. California Air Resources Board (CARB or Board) staff will present an informational update to the Board on the latest assessment of the scientific basis of climate change from the IPCC-AR6, 2021. Topics to be covered include the improved understanding of human influence on a wider range of climate characteristics, including extreme events such as droughts and wildfires on both global and regional scales, with an emphasis on the implications for California and national action on climate change.

The IPCC-AR6 report reaffirmed the need to achieve carbon neutrality to stabilize human induced global temperature increase and further limit the worst impacts of climate change. California is already experiencing climate change impacts which will only get worse unless global greenhouse gas emissions decline.

California is on the forefront of designing and implementing programs that have reduced greenhouse gas emissions. These programs can be leveraged at the federal level or by other jurisdictions to reduce greenhouse gas emissions elsewhere. Further national and international collaboration and coordination on climate change policies will provide opportunities to accelerate a global path to avoid a catastrophic environmental disaster.

Summary and Impacts:

The widespread adoption of CARB's climate-oriented policies can maintain and improve the economy while improving the air quality and avoid higher costs in damages.