



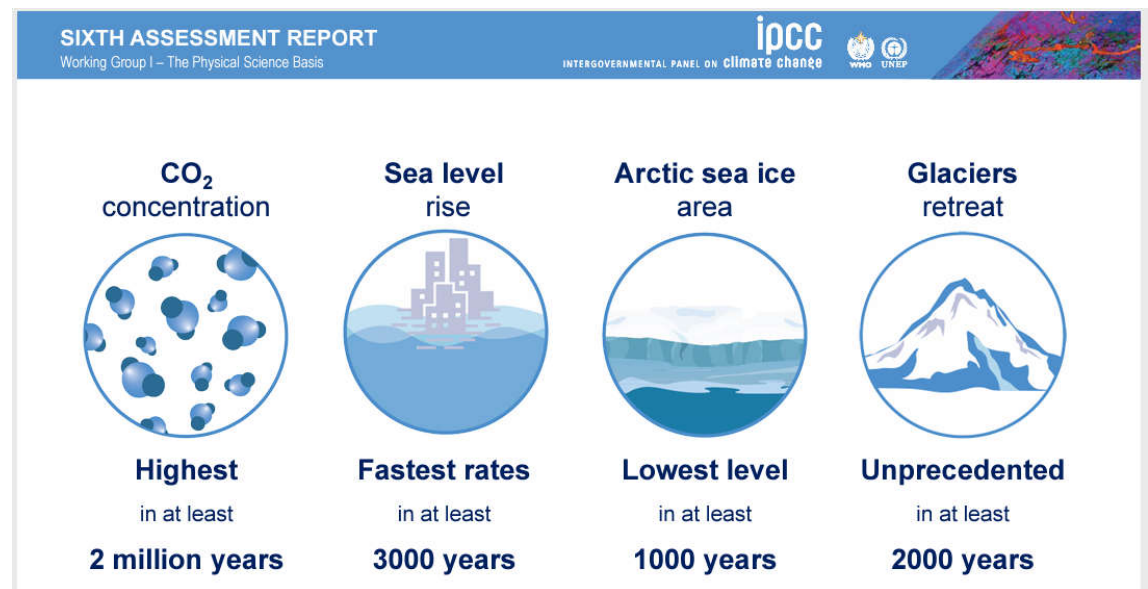
STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



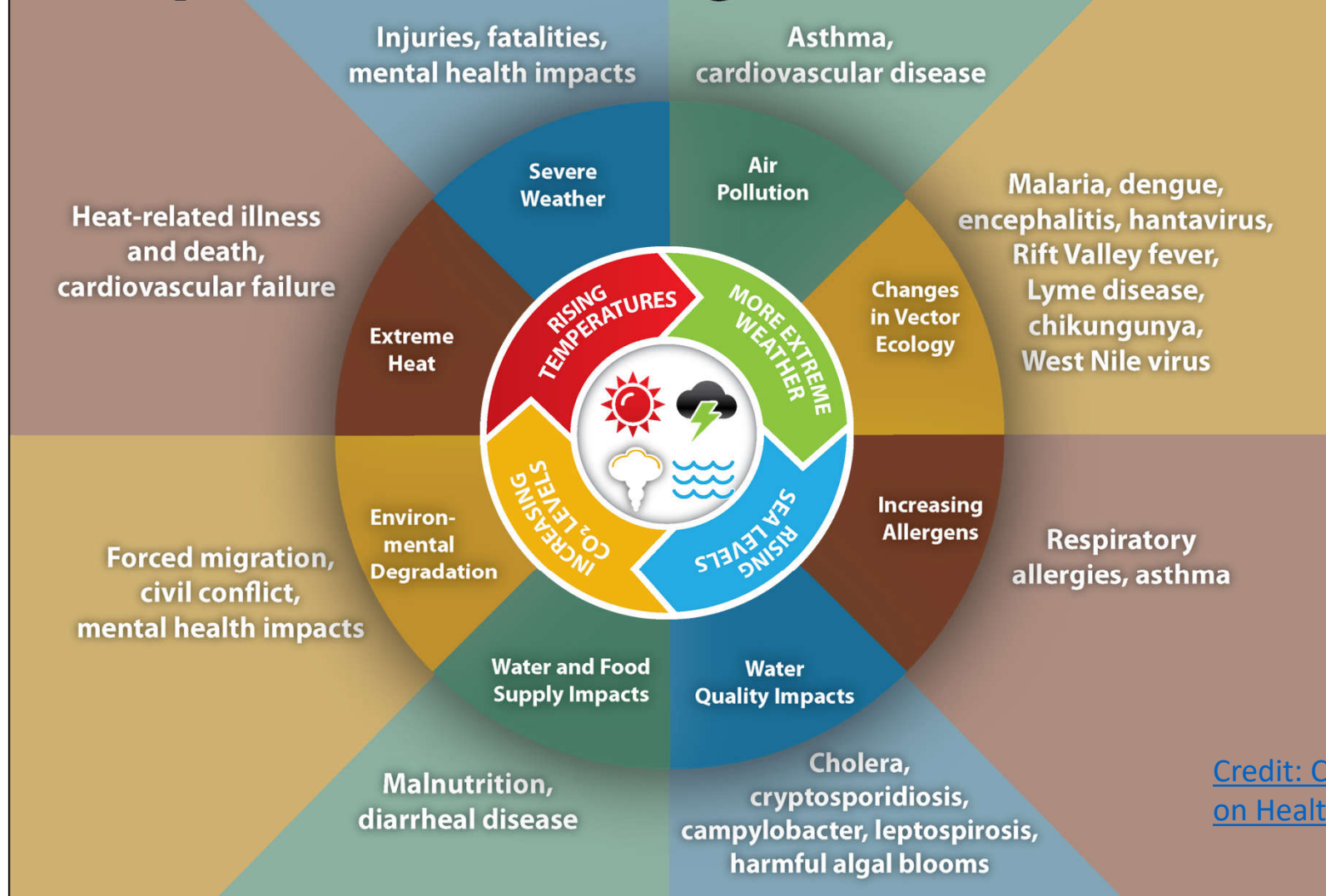
# Innovation in Transportation Electrification: Getting to 2050

Peg Hanna, Assistant Director  
Division of Air Quality  
NJDEP

“It is unequivocal that human influence has warmed the atmosphere, ocean and land...at a rate that is unprecedented in at least the last 2000 years.”

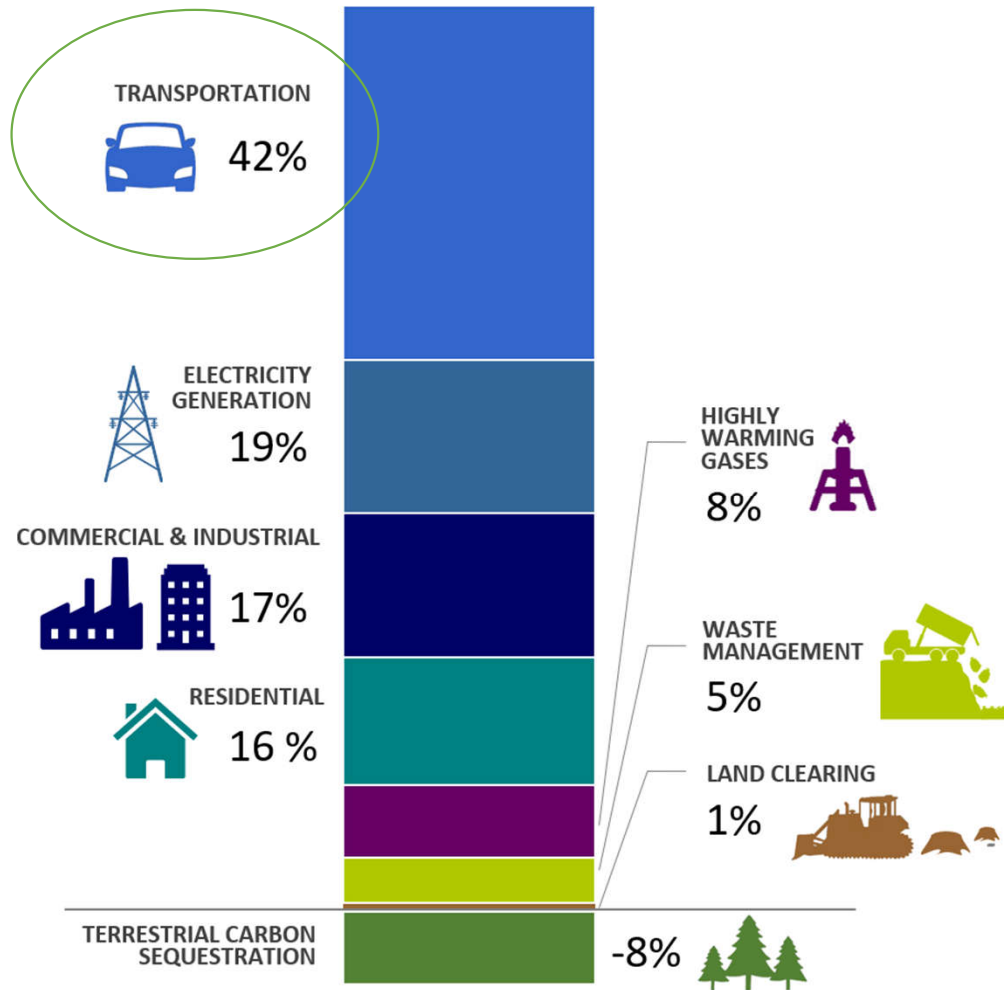


# Impact of Climate Change on Human Health



Credit: [Climate Effects on Health | CDC](#)

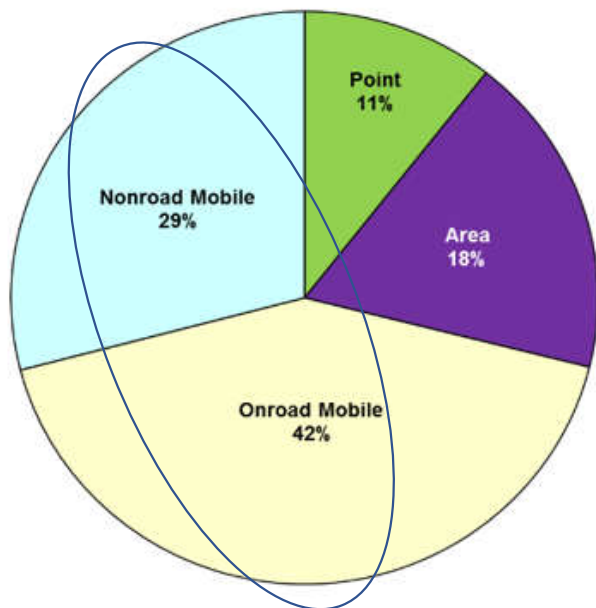
“Limiting human-induced global warming to a specific level requires limiting cumulative CO2 emissions, reaching at least net zero CO2 emissions, along with strong reductions in other greenhouse gas emissions.”



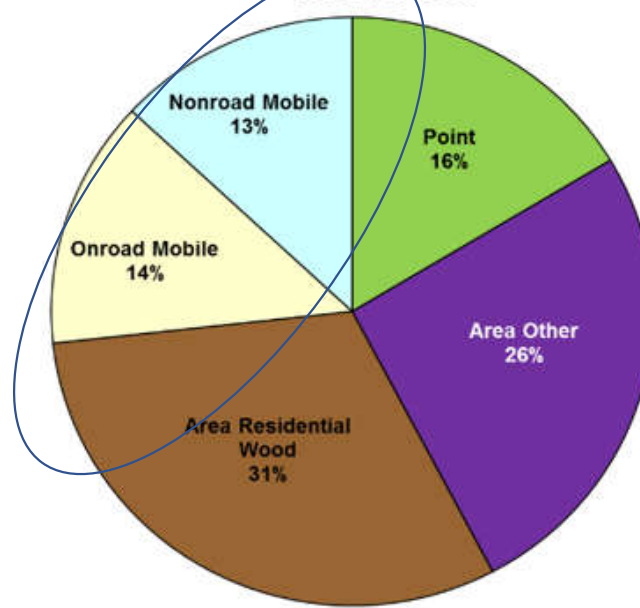
**New Jersey Greenhouse Gas Sources & Sinks 2018**

# NOx and PM2.5 are still important!

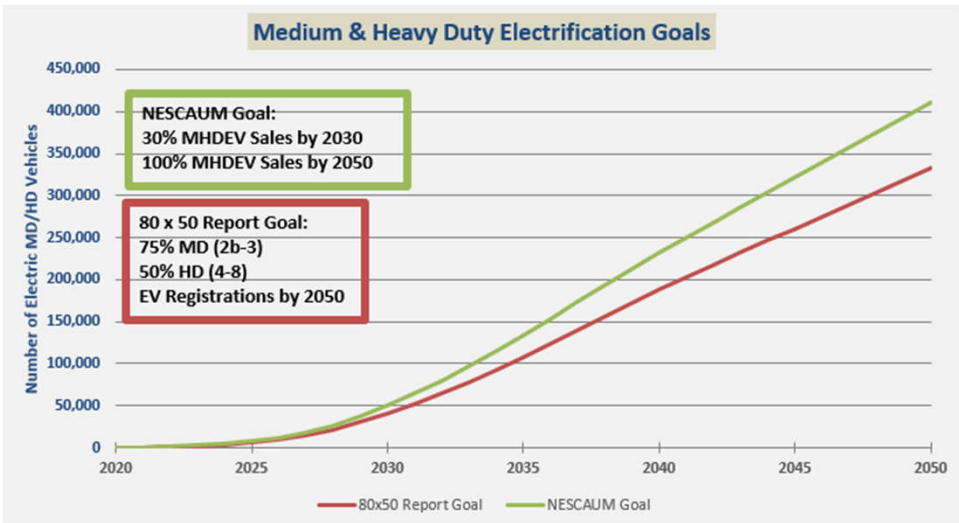
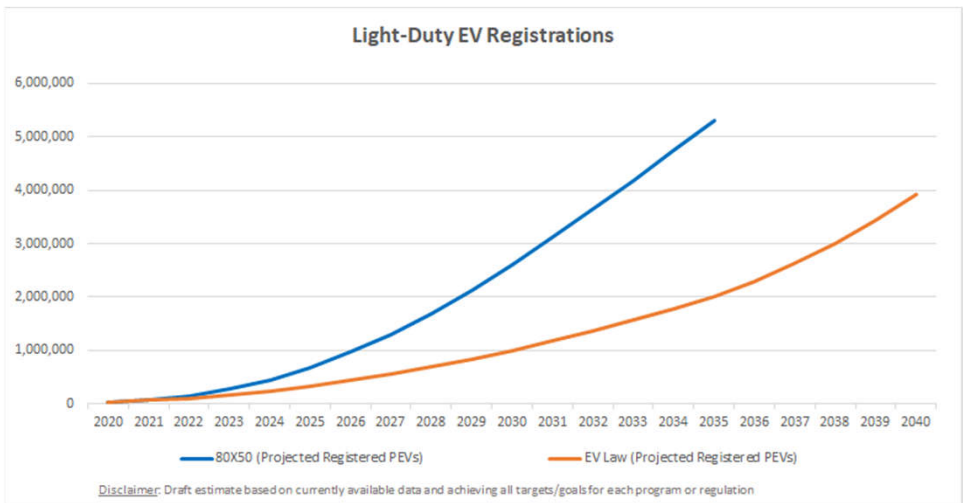
**New Jersey 2017 Nitrogen Oxides  
Projected Emissions Inventory  
Tons Per Year**



**New Jersey 2017 Fine Particulate Matter  
Projected Emissions Inventory  
Tons Per Year**



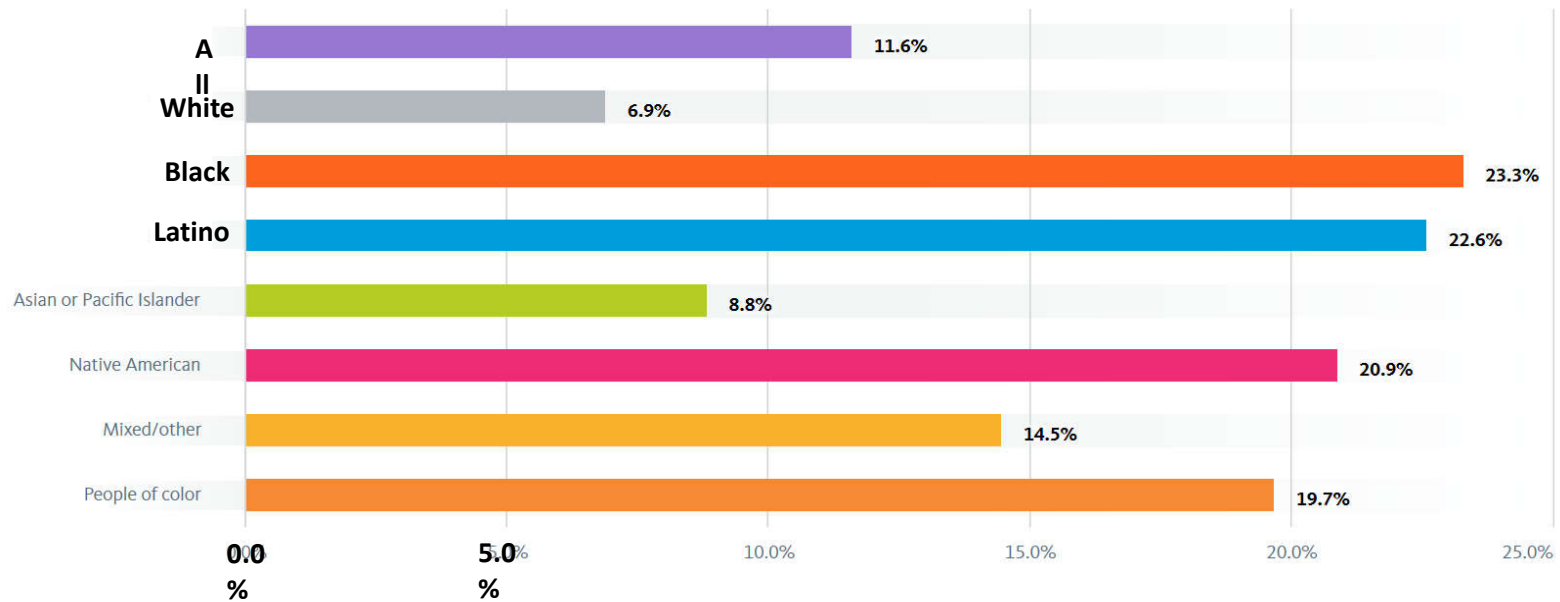
Note:  
Area Source fugitive dust emissions are post-adjustment



# Innovation to close the equity gap



*Percent of household without a vehicle by race/ethnicity: New Jersey, 2015*



# Electric Shared Mobility Program Grants

**Funding for electric shared mobility projects like electric car sharing and ride hailing services.**

Programs that benefit overburdened communities will be prioritized.

*Competitive solicitation.  
Stay tuned for future  
funding rounds.*



Jersey City's new public ride-share service with VIA hits the road  
One of 15 vehicles part of the City's new public ride-share service.





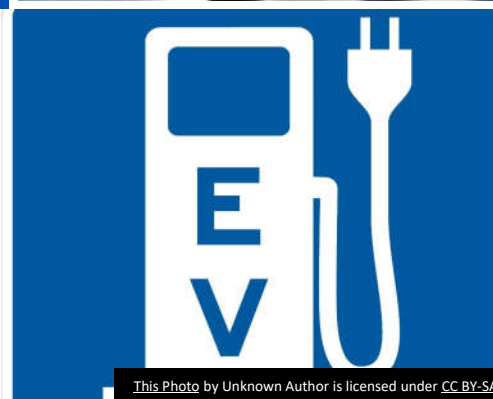
# Innovation in State government

# Sustainability is here to stay or we may not be.

Niall FitzGerald



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STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



# Thank you!

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