

**NOAA Atmospheric Chemistry, Carbon Cycle and Climate (AC4) and Climate Observations and Monitoring (COM) FY21 competition awards**

#	Investigators	Project title	Institution(s)	Project period	Funding amount
1	Baek, Bok Haeng; Yang, Kai	Developing an enhanced bottom-up and top-down emissions inventories over the U.S. during the pandemic outbreaks by satellite data and chemical transport model	George Mason University, University of Maryland	09/2021-08/2023	\$399,883
2	Barsanti, Kelley; Blake, Donald	Using Observations of Gaseous Compounds in the LA Basin during COVID-19 to Elucidate Sources and Atmospheric Processes Affecting Urban Air Quality	UC Riverside, UC Irvine	09/2021-08/2023	\$385,858
3	Commane, Roisin; Hutyra, Lucy; Wofsy, Steve	Understanding methane changes in cities affected by COVID-19 shutdowns	Columbia U, Boston U, Harvard U	09/2021-08/2023	\$397,394
4	Davis, Kenneth; Turnbull, Jocelyn; Weiss, Ray; Lin, John; Gurney, Kevin	COVID impact on urban GHG emissions: A multi-city investigation	Penn State U; U of Colorado; UC San Diego; U of Utah, Northern Arizona U	09/2021-08/2023	\$400,000
5	Hu, Lei; Miller, Scot	Quantifying the impacts of COVID-19 on U.S. national and regional non-CO2 greenhouse gas emissions from atmospheric observations	U of Colorado; Johns Hopkins U	09/2021-08/2023	\$399,845
6	Mitchell, Logan	Tracking impacts of COVID-19 lockdowns & recovery on urban atmospheric composition at neighborhood scales with public-transit based measurements	U of Utah	09/2021-08/2023	\$399,904
7	Ng, Nga Lee (Sally)	Changes in Aerosol Loading and Composition in Atlanta Driven by Changes in Anthropogenic Emissions during the COVID-19 Pandemic	Georgia Tech	09/2021-08/2023	\$393,915
8	Wennberg, Paul	Changes in Air Quality in Los Angeles Associated with COVID-19 'Safer-at-Home' Traffic Reductions	CalTech	09/2021-08/2023	\$398,462