

Project Information Form

Project Title	Addition of Secondary Particulate Matter, Including Secondary Organic Aerosols (SOA), to the EPA's MOtor Vehicle Emission Simulator (MOVES)
University	University of California, Riverside
Principal Investigator	Ayla Moretti
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Funding Source(s) and Amounts Provided (by each agency or organization)	NCST Graduate Fellowship, \$20,000
Total Project Cost	\$20,000
Agency ID or Contract Number	
Start and End Dates	July 1, 2018 – June 30, 2019 (One year fellowship)
Brief Description of Research Project	EPA's MOtor Vehicle Emission Simulator (MOVES), is an emission modeling system estimating emissions from mobile sources (vehicles) for criteria air pollutants, greenhouse gases and air toxics. MOVES uses known emission as the basis for human exposure modeling, local and regional air quality modeling, regulatory impact assessments, and trend analysis. Currently MOVES only accounts for primary particulate matter emitted from vehicles. This project will focus on the addition of secondary particulate matter data.
Describe Implementation of Research Outcomes (or why not implemented) (Attach Any Photos)	
Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none"> • Reports • Project website 	https://ncst.ucdavis.edu/graduate-student-research/