



National Center for Sustainable Transportation

Project Information Form

Project Title:	Renewable Natural Gas (RNG) Technology Demonstration Phase 2
University:	University of California, Riverside
Principal Investigator:	Arun S.K. Raju
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Funding Source(s) and Amounts Provided (by each agency or organization):	US DOT - \$25,000
Total Project Cost:	\$25,000
Agency ID or Contract Number:	UCR-DOT-401 69A3551747114
Start and End Dates:	December 1, 2016 – March 31, 2017
Brief Description of Research Project:	<p>The objective is to develop an 'Organic Resource Locator' for the Southern California region with particular emphasis on the territory served by the Southern California Gas Company. This will be a map of technically recoverable organic resources available for energy conversion, and the potential end users.</p> <p>The task will involve a detailed, mapped analysis of all organic resources that are potentially available for RNG production in the Southern California region, particularly SoCalGas service territory, including: (1) available quantities and RNG potential; (2) periods for which the resources will be available at a constant ton per day basis; (3) composition of the resources; (4) available conversion facilities and capacities nearby; (5) proximity to pipeline; and (6) potential end users (schools, hospitals, etc.) including transportation end users.</p> <p>This task will ultimately serve as a basis for a web based mapping tool that can be used to evaluate resource/production potential and emission/energy use benefits and will help expedite development of commercial RNG projects.</p>



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<p>Describe Implementation of Research Outcomes (or why not implemented):</p> <p>Place any photos here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated):</p>	
<p>Web Links</p> <p>Reports</p> <p>Project website</p>	<p>https://ncst.ucdavis.edu/project/renewable-natural-gas-rng-technology-demonstration-phase-2/</p>