





 PROJECT TITLE	VEHICLE TO GRID INTEGRATION PLATFORM (VGIP)
 IOU	
 STATUS	Complete ¹
 OVERVIEW	<p>The purpose of this project is to create requirements and use cases for a unified grid services platform that is secure, low cost, and an open source platform. It will also aide in the development of architecture and functionality of the VGIP including OpenADR2.0b, Smart Energy Profile (SEP), and Home Area Network (HAN). Additionally, this project will assess performance of the VGIP against utility requirements through field tests and trials. BMW, Chrysler, Ford, GM, Honda, Mercedes, Mitsubishi, Nissan, and Toyota have agreed to be study participants.</p>
 COLLABORATION	<p>The progress and results have been shared with other California Investor Own Utilities (CA IOUs) during scheduled monthly DR-ET Leadership conference calls as well as with various interested attendees at the Internal Technology Transfer meetings.</p>
 STATUS	<p>The VGIP project has currently completed Phase 2 of 4 in the total project lifecycle. SDG&E's Emerging Technology Program (ETP) contributed to the program through the completion of Phase 2. Phase 1 was focused on developing the concept of the project and Phase 2 on building a functioning prototype. Phase 3 and 4 focus on production for large scale customers, regulatory negotiations, commercial enterprise, and utility programs enrollment. Because Phase 3 and 4 are slightly outside of the ETP</p>

¹ Information obtained from SDG&E's [Emerging Markets & Technology Demand Response Projects Q4 2018 and Q1 2019 Semi-annual Report](#), published March 31, 2019, see p. 6.

scope of work, the team decided not to continue fund the development of the future phases. However, the ETP will support the full completion of next phases if there is scope changes that offer direct value



The next steps for this project include reviewing and agreeing on the final report for SDG&E. Once the final report is accepted and approved it will be uploaded to the ETCC website. Final report is expected to be completed and delivered to SDG&E by the end of March 2019.
