DOCKETED

Docket Number:	16-TRAN-01
Project Title:	SB 350 Transportation Electrification (Publicly Owned Utilities)
TN #:	214653
Document Title:	Presentation - VGI Communications Workshop
Description:	By D. McCreadie, 12/7/16
Filer:	Tami Haas
Organization:	D. McCreadie
Submitter Role:	Public
Submission Date:	12/7/2016 8:32:52 AM
Docketed Date:	12/7/2016

VGI Communications Workshop

7 December 2016

- Business Value of PEVs providing additional grid services is not yet fully evident
  - Numerous pilots (OEMs/Utilities/ISOs) over the last few years have scratched surface; few have 'stuck', none however at widespread scale
  - Seems that both sides are still going slow and feeling it out to understand business value

- Assess value in a two-year program at scale
  - Coordinated program across all IOU territories
  - Competitive RFP bidding process by OEMs for aggregating PEV load, resulting in meaningful incentives to spark mass enrollment
  - Gives OEMs, Utilities, and 3rd parties an opportunity to learn and assess value across all viable protocols and pathways.

- **Benefits for all stakeholders**
  - **Utilities/ISO**
    - Customer sensitivity to incentives
    - Vehicle availability for load dispatch, response time, and ability to aggregate
    - Clearer view of capital cost avoidance
    - Support for RPS integration
  - **OEMs**
    - Customer expectations, behaviors
    - Implications for vehicle/battery
    - Platform operational costs (enrollment, CRM functions, API integration/interop with 3rd parties, etc.)
  - **EVSE Network Operators**
    - Customer expectations, behaviors
    - Interoperability/coexistence with 'vehicle-centric' control
  - **Customers**
    - Meaningful financial incentives to reduce total cost of ownership
    - Charging assurance/convenience across all charging theaters (home, work, public)
    - Environmental conscience – support for renewables
  - **California**
    - Fully-realized, widespread VGI
    - Right market conditions for accelerated EV adoption

Conclusion

- OEMs and EPRI do not believe that the barrier to accelerated VGI deployment is a lack of a single communication standard; rather, the main hurdle is the uncertainty in value accrual to EV Owners and Technology Providers