DOCKETED	
Docket Number:	18-HYD-01
Project Title:	Executive Order B-48-18 Workshops
TN #:	223528
Document Title:	Bryan Solstin Comments Interoperable charging for autonomous vehicles ride sharing
Description:	*** THIS DOCUMENT SUPERSEDES TN 223471 ***
Filer:	System
Organization:	Bryan Solstin
Submitter Role:	Public
Submission Date:	5/22/2018 3:30:35 PM
Docketed Date:	5/22/2018

Comment Received From: Bryan Solstin
Submitted On: 5/22/2018
Docket Number: 18-HYD-01

Interoperable charging for autonomous vehicles ride sharing

*** THIS DOCUMENT SUPERSEDES TN 223471 ***

Additional submitted attachment is included below.

From: Bryan Solstin <solstin@icloud.com>
Sent: Tuesday, May 22, 2018 2:34 PM
To: Energy - Docket Optical System <docket@energy.ca.gov>
Cc: Crisostomo, Noel@Energy <Noel.Crisostomo@energy.ca.gov>
Subject: docket number 18-HYD-01 and Executive Order B-48-18 Workshops

Regarding Jennifer Allen's presentation: Provide charging for autonomous vehicles/ride sharing applications, there is technical gap with currently available wireless power solutions. None are "interoperable" for light, medium, heavy-duty vehicles. Considering the Department of Transportations (DOTs) control of prime, municipal "real-estate," or the right-of-ways, where Transportation Network Companies (TNCs) will stop, it only makes sense that a proof-of-concept scoring AV self-charging include an interoperable capability for light, medium, heavy-duty AVs. Otherwise the required installations for Autonomous Vehicle (AV) chargers could double or triple. In addition, due to the "prime real-estate," municipal DOTs will prefer interoperable self-chargers for the emerging AVs.

After 2025, Solstin PLLC anticipates AV chargers will be the dominant new installation for municipal chargers due to the emerging AV market growing beyond TNCs (For example: busses, private vehicles). In other words, AVs will become the dominant newly-purchased EV. Bridging this technical gap is critical for accelerating the long-term displacement of the Internal Combustion Engines (ICEs).