Silicon Valley Clean Energy's inaugural "Watts for Lunch" workshop was held on December 6th 2017, at the NetApp campus in Sunnyvale.

This workshop series was commissioned for SVCE's commercial and industrial customer community, providing a setting for peer-to-peer learning, networking and collaboration. Our first roundtable in an ongoing series was focused on electric vehicles and EV infrastructure, and featured speakers from Tesla, PG&E, BMW, Genentech, and Google. Future events will be constructed around SVCE's mission of strategic electrification and grid de-carbonization. We welcome input and suggestions for future topics!

Tesla – Dan Cronin, Project Developer
- Expanding infrastructure beyond transit corridors to fast charging in urban areas
- Tesla is paying for the installation of workplace Supercharger infrastructure
  - Transformer + a charging cabinet for every two charge posts
- Tesla infrastructure needs to grow substantially with introduction of Model 3 and its rapid adoption rate

PG&E – Ben Villagra, Electric Vehicle Site Host Development
- PG&E EV Charge Network pays 100% of the infrastructure cost of 10 contiguous charging ports + up to 100% of the charger itself.
- Multiple ownership options – host owns or PG&E owns
- Program is open now and has flexibility for public or private charging networks
- Available to Commercial and Multi-Unit Dwelling customers
- www.PGE.com/evcharge

BMW – Michelle Bogen, Advanced Technology Engineer
   Adam Langton, Energy Services Manager
- Successful Vehicle to Grid Demand Response (DR) pilot
- Enrolling BWM car owners in Demand Response via BMW vehicle telematics
  - Customer may opt-out of individual events
- Program enrollment incentive paid directly to car owner
- Testing 2nd-life battery systems + EV in residential applications

Genentech – Elliot Levine, Environmental Engineer
- Less than 50% of employees utilize single occupant vehicles for commuting
- Using ChargePoint's waitlist feature to optimize coordination of available chargers
- Future proofing – working to balance current demand for EV charging with future having reduced/minimal vehicle ownership (self-driving EVs, etc)
- EV club provides data and recommendations to support additional infrastructure and EV/Non-EV equity

Google – Rolf Schreiber, Energy Systems Program Manager
- EVs are a component of strategic transportation and Sustainability commitments
  - Public transit, carpooling, company shuttles, biking, other
- Target charging capacity goal of 10% of parking spaces
- Optimal charging infrastructure includes greatest quantity of Level 1, medium quantity of Level 2, minimum of Level 3
- Invested in EV charging infrastructure for over 10 years

- Challenges: city code variability, ADA, tax implications, parking limits, leased property vs owned, demand management
- Alternative infrastructure: self-contained solar carports and mobile charging services

SVCE
- Carbon free electricity at lower prices than PG&E, optional 100% Renewables upgrade
- Reviewing investing in beneficial electrification in Transportation and Built Environment

SVCE Interest Survey
- SVCE provided background on potential future program offerings and asked Watts for Lunch attendees to rate their interest in potential future event topics in an onsite survey, on a scale of 1(low) to 5 (high)
  - 4.2 or higher: EV infrastructure, energy storage, workplace sustainability, codes and standards for beneficial electrification
  - 3.8 to 4.1: renewable energy sources, controls and demand management, targeted energy efficiency
  - 3.3 to 3.7: demand response, utility markets, and power quality/resilience

- Watts for Lunch attendees were also given the opportunity to suggest future topics.
  - Top: SVCE procurement and rate-setting
  - Next: Energy education, international renewable procurement, and focused support for leased buildings

- Three EV-specific survey questions concluded the survey.
  - Current quantity of EV chargers: range from one to 2,000+
  - Plans to install more in 2018: range from one to several hundred
  - Suggestions for SVCE to support continued acceleration of EV adoption:
    - Smart charging and additional community infrastructure
    - Supporting EV ridesharing and alternative transportation options
    - Encouraging residential charging and educating local policy-makers to support EV infrastructure investments

Next SVCE 'Watts for Lunch' Workshop
- Targeting late April or early May 2018
  - Watch for announcements via email
- Questions or suggestions – please contact Sarah Jo Manson
  - sarahjo.manson@svcleanenergy.org