

Regulatory Report and Proceeding Update - March 4, 2020

R.13-11-005
Energy Efficiency
(EE) Rolling
Portfolio

- February 24, 2020: Notice of EM&V Stakeholder Meetings and Webinars announced. March 2nd, the ED will release 8 draft evaluation reports. March 9, 10, and 11th the ED will have webinars on:

Impact: RENs and CCAs

(Actively Participating)

Date and Location	Studies/Sectors	In person or Webinar
March 9, 2020 Webinar Only 10:00 AM- 1:00 PM Conference #: 877-715-1531 Passcode: 5384700587 Join Skype Meeting Trouble Joining? Try Skype Web App	Home Energy Reports Pool Pumps Hot Water Fixtures	Webinar Only
March 10, 2020 Quarterly EM&V Stakeholder Meeting 505 Van Ness Avenue, SF, CA (Golden Gate Room) 10:00 AM- 5:00 PM Conference #: 1-877-715-1531 Passcode: 5384700587 Join Skype Meeting Trouble Joining? Try Skype Web App	Smart Thermostats Upstream Lighting HVAC	In-Person and Webinar

Status:

- Remainder of Phase III issues to be addressed
- Proceeding will close in May 2020

Next Deliverable:

- Updates on CAEECC meeting; Report on webinars and ABAL workshops

<p>March 11, 2020 Webinar Only Small Commercial 10:00 AM- 11:30 AM Commercial Lighting 11:45- 1:15 Join by Phone Conference #: 866-628-9540 Passcode: 1637171</p> <p>Join webex meeting https://centurylinkconferencing.webex.com/centurylinkconferencing/j.php?MTID=m862581f38a7848c7c01cfdcac e8f6d1b</p> <p>Meeting number: 712 201 319 Meeting password: !Energy1</p>	<p>Agricultural Irrigation Tankless Water Heaters Refrigeration Case Lighting Pumping Variable Frequency Drive Commercial Lighting</p>	<p>Webinar Only-</p>
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- 3rd Party CPUC Workshop
- February 18, 2020: SCE & PG&E notice that ABAL workshops will be on March 16,2020. [Register here to attend in person](#) (San Francisco) and [here for the webinar](#)
- January 28, 2020: Itron report on 2016-17 [Performance Assessment of Nonres Downstream Programs](#). 113 programs were offered in this period by IOUs and the report covers a subset of those programs delivered by Deemed, DI and LGPs
- Metrics included cost effectiveness (CE) and depth-of-retrofit & cost effectiveness (DORCE). It also looked at PA Business Plan metrics. Findings include:
 - Direct Install (DI) programs had the highest depth-of-retrofit, but not the highest cost-effectiveness; and had the 2nd highest number of customers served
 - LGPs had a 'middle-of-the-pack' NTGR and DORCE; and had the lowest number of program participants
 - Deemed programs had the lowest NTGR and DORCE but the highest number of participants
 - Lighting (interior and exterior), process and 'misc' measures had high DORCE
 - Programs that had a program cycle in 2013-15 that continued in 16-17 had better DORCE
 - Custom calculation measures had higher DORCE
 - Manufacturing, office, assembly and college businesses performed worse than other building types in DORCE
 - Customer size had no correlation to DORCE

TABLE 2-1: 2016-2017 PROGRAM COUNT AND EX ANTE NET LIFECYCLE SAVINGS BY PA AND GPG

Program Administrator	Gross Program Group	N Programs	2016-2017 Ex Ante Net Lifecycle Savings		
			MWh	MW	kTherm
PG&E	3P	26	1,141,591	89	27,955
	Deemed	4	1,489,811	432	46,335
	LGP	23	1,011,642	286	-4,432
SCE	3P	17	911,844	116	29
	DI	1	377,303	110	-909
	Deemed	5	988,703	225	243
	LGP	17	337,838	21	10
SCG	3P	4	-108	0	22,771
	DI	1	0	0	135
	Deemed	4	1,770	0	47,762
SDG&E	3P	1	0	0	0
	DI	1	250,119	52	-547
	Deemed	4	492,342	118	3,431

TABLE 4-3: 2016-2017 AVERAGE NTGR BY PROGRAM ADMINISTRATOR AND GROSS PROGRAM GROUP FOR NONRESIDENTIAL LGP, 3P, DI, AND DEEMED PROGRAMS

PA	Gross Program Group	NTGR kW	NTGR kWh	NTGR therms	NTGR MMBtu
PG&E	Deemed	0.42	0.44	0.31	0.42
	Local Government Partnership	0.55	0.51	0.34	0.51
	Third Party	0.57	0.56	0.53	0.55
SCE	Deemed	0.58	0.59	0.59	0.59
	Direct Installation	0.68	0.68	--	0.68
	Local Government Partnership	0.56	0.47	0.62	0.47
	Third Party	0.63	0.63	0.63	0.63
SCG	Deemed	0.52	0.52	0.40	0.41
	Third Party	0.54	--	0.42	0.42
SDG&E	Deemed	0.58	0.61	0.55	0.61
	Direct Installation	0.64	0.64	0.60	0.64

TABLE 5-5: EFFECTIVENESS METRIC AVERAGES BY LGP, 3P, DI, AND DEEMED GPG

Component	3P	DI	Deemed	LGP
Depth of Retrofit	-0.65	0.86	-0.75	0.46
Cost Effectiveness	-0.13	-0.42	-0.48	-0.72
Technologies Addressed	-0.46	0.52	-0.81	0.17
Savings Achieved	-0.54	0.80	-0.34	0.53
DORCE	-0.65	0.36	-1.01	-0.22

TABLE 5-8: 10 WORST PERFORMING PROGRAMS BASED ON RESIDUALS

Program ID	Program Name	Actual DORCE Score	Estimated DORCE Score	Residual
PGE210210	INDUSTRIAL RECOMMISSIONING PROGRAM	-2.32	-1.78	-0.54
PGE21032	AGRICULTURAL DEEMED INCENTIVES	-1.64	-1.24	-0.39
SDGE3239	SW-AG-DEEMED INCENTIVES	-1.80	-1.41	-0.39
SCG3712	COM-NONRES HVAC	-2.57	-2.23	-0.33
SCE-13-TP-018	SCHOOL ENERGY EFFICIENCY PROGRAM	-1.00	-0.69	-0.31
PGE210119	LED ACCELERATOR	-0.62	-0.37	-0.25
SCG3710	COM-CALCULATED INCENTIVES	-1.44	-1.19	-0.25
SCE-13-L-002L	ORANGE COUNTY CITIES ENERGY LEADER PARTNERSHIP	0.35	0.59	-0.24
SCE-13-TP-012	REFINERY ENERGY EFFICIENCY PROGRAM	-2.87	-2.65	-0.22
PGE211030	NORTHERN SAN JOAQUIN VALLEY	-0.31	-0.10	-0.21

TABLE 5-7: 10 BEST PERFORMING PROGRAMS BASED ON RESIDUALS

Program ID	Program Name	Actual DORCE Score	Estimated DORCE Score	Residual
PGE210311	PROCESS WASTEWATER TREATMENT EM PGM FOR AG FOOD PROCESSING	1.35	0.75	0.59
SCG3757	3P-SMALL INDUSTRIAL FACILITY UPGRADES	1.51	1.02	0.49
SDGE3220	SW-COM-CALCULATED INCENTIVES-CALCULATED	-0.65	-1.01	0.36
PGE211009	EAST BAY	0.04	-0.24	0.28
SCE-13-SW-004C	AGRICULTURE DEEMED ENERGY EFFICIENCY PROGRAM	-0.69	-0.97	0.28
SCE-13-TP-004	DATA CENTER ENERGY EFFICIENCY	0.72	0.44	0.28
PGE210126	K-12 PRIVATE SCHOOLS AND COLLEGES AUDIT RETRO	0.75	0.48	0.27
SCG3758	3P-PREPPS	-1.11	-1.38	0.27
SCE-13-SW-002H	MIDSTREAM POINT OF PURCHASE PROGRAM	0.01	-0.26	0.26
PGE2110011	CALIFORNIA COMMUNITY COLLEGES	-0.88	-1.11	0.24

TABLE 6-4: 2016-2017 EVALUATED TRC AND PAC BY PROGRAM

PA	GPG	TRC	PAC
PG&E	3P	0.74	1.18
	Deemed	0.75	1.41
	LGP	0.57	0.93
SCE	3P	0.89	2.00
	DI	1.06	1.10
	Deemed	0.78	1.21
	LGP	0.55	0.97
SCG	3P	0.96	1.19
	Deemed	1.14	1.48
SDG&E	DI	1.90	2.00
	Deemed	0.85	1.13

- December 4, 2019: CPUC redline version of REN/MT PD
 - PG&E not SCE will hire the MT admin because of statewide experience in EUC and coordination with NEEA
 - Letters of commitment to cooperate will be required initially for RENs and JCMs later bilateral JCMs
 - New RENs must secure the letters of commitment from existing RENs
 - No prohibition of geographic overlap
 - RENs must meet or exceed savings forecasts as demonstrated in true-ups when new ABALs filed
 - REN programs must demonstrate new and unique value in the portfolio
 - TRC will be on a case-by-case basis and determined at the BP filing, and the topic will be included in this or a successor proceeding which is a larger issue than just REN programs
 - IOU admin costs as fiscal agents of RENs should be tracked separately starting in 2021
 - MTA startup changed from \$10 to 20M /year and annual budget went from 5 to 8% to reflect up to &70M/year, which accounts for lower ABAL filings in the most recent year (the math didn't add up on the 5% resulting in \$250M total, but neither does \$70M/year for 5 years)
 - TRC for MT will be considered later and no-up front determination is given at this point
 - 36 not 18 months from MT Admin contracts, will they file an application for funding of the initial MTIs

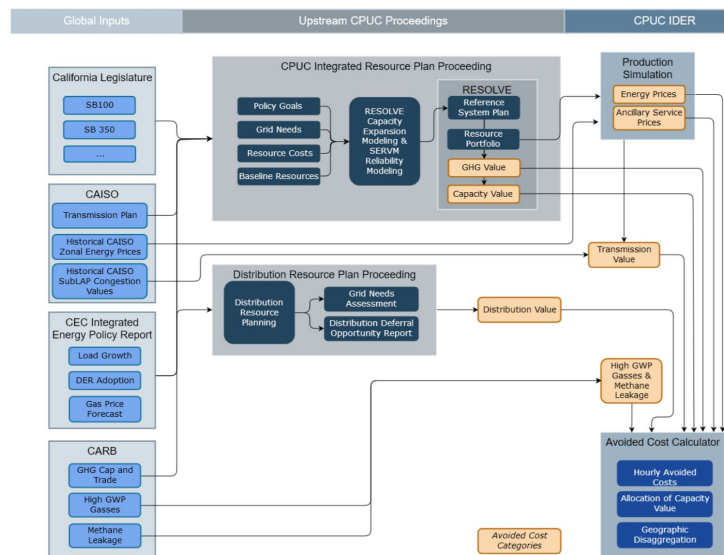
	<ul style="list-style-type: none"> • January 7, 2020: Ruling on <u>NMEC Rulebook 2.0</u> - updated procedures for NMEC projects; allowed open source and proprietary tools; allows submetering and data loggers in addition to whole building meters; expands the eligible measures with specific instructions for normal replacement vs other measure types • December 3, 2019: CPUC issued a letter granting IOU extension of time to comply with 3rd party contracting percentages. 40% outsourcing by Dec 31, 2020 is absolutely mandatory and no extensions will be granted. Immediate action must be taken to reach 25% by Sept 30, 2020. Additionally IOUs must report progress by June 30, Sept 30 and Dec 31 on contracting progress. • November 12, 2019: Potential and Goals Comments due. Working with Joint Non-IOU PAs on comments. • November 11, 2019: Reply comments submitted on REN and MT PD • October 30-31, 2019: Potential and Goals Workshop at CPUC. The Commission will solicit feedback on how to overhaul the Navigant study to integrate DR, align with the IRPs and to possibly carve out analysis for RENs and CCAs. No due date as of yet on comments. • November 12, 2019: Proposed Decision on RENs and Market Transformation are due. RENs continuation were affirmed, TRC does not apply to RENs, coordination of PAs (CCAs, IOUs, new and existing RENs) with geographic overlap was generally prescribed. For Market Transformation, \$250M over 5 years was authorized, a single Market Transformation PA will manage Initiatives, TRC was not prescribed, SCE will oversee initial applications and filings, and programs/initiatives will not likely start for 3-5 years from 2019. 	
<p>A.17-01-013 et. al. EE BP Applications <i>(Closed)</i></p>	<ul style="list-style-type: none"> • August 1, 2019 Decision D.19-08-006 - Decision Adopting Standard Contract For Energy Efficiency Local Government Partnerships Applications. The docket is closed since the BPs have been approved. Standard contracts were generally favorable for LGs in the ability to pursue LGP contracts; however LGPs are significantly being ramped down. • March 23, 2018: Ruling issued regarding Normalized Metered Energy Consumption (NMEC) Rulebook; the rulebook details the requirements for any programs or projects that utilize NMEC; Biggest concern is the classification that all programs and projects will be treated as "custom" and be required to be vetted through the "custom process" • April 4, 2018: Proposed Decision (PD) issued regarding Business Plans; the PD removes SCR's WE&T and C&S proposed funding; the PD also 	<p>Impact: RENs</p> <p>Status:</p> <ul style="list-style-type: none"> • BPs approved and Applications are closed • TBD on new Applications when IOUs re-file a BP before end of 2020 (SCE)

	<p>requires a Joint Cooperation Memo where the RENs are required to prove they are not duplicative to IOUs and justify current portfolio; PD puts in place a probationary process if PAs fail to meet CPUC requirements</p> <ul style="list-style-type: none"> ● April 24, 2018: Opening Comments filed by all parties including SoCalREN ● April 30, 2018: Reply Comments filed by all parties including SoCalREN ● May 8, 2018: Revised PD issued; revision does include placing back SoCalREN's WE&T funding, however does maintain the Joint Cooperation Memo ● May 14, 2018: Opening Comments filed regarding NMEC Ruling; SoCalREN filed comments addressing the custom classification of all programs and projects 	<p>Next Deliverable:</p> <ul style="list-style-type: none"> ● None
<p>R.14-10-003 Integrated Distributed Energy Resources (IDER) <i>(Monitoring)</i></p>	<ul style="list-style-type: none"> ● March 4, 2020: CalAdvocates filed a briefing outlining their current concerns: <ul style="list-style-type: none"> ○ The Commission should not adopt the Solar Energy Industries Association and Vote Solar' (SEIA-VS) proposed avoided reliability and resiliency costs in the ACC ○ A combustion turbine (CT) should not be a proxy for the marginal resource because it does not represent the actual marginal unit of generation as modeled in the Integrated Resources Plan (IRP) ○ The ACC should not include an avoided fuel volatility adder because it is speculative and does not represent an avoided cost ○ The Commission Should Not Use General Rate Case (GRC) Phase 2 Marginal Costs as a Basis for Avoided Distribution and Transmission Costs ○ The Staff Proposal does not take into account the added distribution and transmission costs caused by DERs ○ The ACC should not rely on congestion pricing to estimate avoided transmission costs ○ The Commission should not adopt SEIA-VS' proposal to trend the Greenhouse Gas (GHG) Shadow Price to the years after 2030 at the discount rate ● February 6, 2020 <u>PD on ED's White Paper on Avoided Cost and Locational Granularity of T&D Deferral Values</u> issued; A) The specified transmission and distribution values do not need additional modeling; B) The White Paper's proposal for unspecified distribution shall be modeled in the major Avoided Cost Calculator update in Rulemaking 14-10-003; C) Updates to the Avoided Cost Calculator shall be considered in the Integrated Distributed Energy Resource proceeding, 	<p>Impact: RENs and CCAs</p> <p>Status:</p> <ul style="list-style-type: none"> ● Awaiting Final Decision on ACC in May 2020 <p>Next Deliverable:</p> <ul style="list-style-type: none"> ● Monitor White paper comments

Rulemaking 14-10-003

- November 21, 2019: Rulemaking reassigned to President Marybel Batjer
- November 20, 2019: ALJ Ruling that confirmed the recommended changes to the Avoided Cost Calculator from the August 30, 2019 workshop and Staff Proposal. The ruling also includes the Staff Proposal as an appendix dated November 7, 2019. The original ACC was based on pre-SB 100 assumptions and this one accounts for solar and storage related to RA and IRPs. Figure 1 in the appendix outlines the inputs to the ACC, impacted proceedings and impact to the IDER proceeding.

Figure 1: Overview of Proposed 2020 ACC Update Process



- November 1, 2019: PG&E on behalf of the CPUC solicited Avoided Cost Calculator (ACC) feedback in a spreadsheet; evidentiary hearings were proposed to be November 18-19, 2020; this is part of D.19-05-019 that states a biennial process from August to December in odd numbered years to make updates to the ACC with May 1 of even numbered years for a final decision
- August 30, 2019: Commission hosted a 1 day workshop to discuss Major Changes to the ACC where D.19-05-019 procedures were discussed and topics for modifiers to the ACC and SCT impacts were outlined
- August 15, 2019: D.19-05-019 adopted a cost-effectiveness analysis framework for all DERs and accepted the TRC as the primary test for all commission activities except where expressly prohibited by statute; the Societal Cost Test (SCT) shall be tested through December 31, 2020 for the IRPs; it will also have new GHG adders, air quality adders and a lower discount rate (3%); it also

	<p>approved a process and schedule for updating the ACC</p> <ul style="list-style-type: none"> ● As of D.19-05-019 outstanding issues include: <ul style="list-style-type: none"> ○ Designing alternative sourcing mechanisms for distributed energy resources; ○ Whether to streamline shorter term distributed energy resources sourcing mechanisms for distribution deferral opportunities, and; ○ Coordinating existing programs, incentives, and tariffs to maximize locational benefits and minimize costs of distributed energy resources ● August 30, 2019: ACC workshop to discuss major changes was held ● March 14, 2018: Ruling issued with a Staff Amended proposal regarding a Societal Cost Test; the ruling proposes a modified TRC and PAC cost-effective test; in addition, the ruling proposes a SCT to be used for informational purposes only for IDER evaluation; it also proposes to GHG adders one to be used in the TRC and PAC and one to be used in SCT; one views GHG reductions in a cost perspective the other views GHG reduction impacts to society ● April 20, 2018: Parties filed opening comments on SCT; IOUs oppose the new GHG adders; most stakeholders support SCT and GHG adders ● April 30, 2018: Proposed Decision issued adopting ORAs petition for modification (PFM) eliminating duplication of recovery costs by utilities for IDER pilot projects ● May 7, 2018: Reply comments filed by various parties on SCT 	
<p>R.16-02-007 Electricity Integrated Resource Planning (IRP) Framework and to Coordinate and Refine Long-Term Procurement Planning Requirements</p>	<ul style="list-style-type: none"> ● November 6, 2019: ALJ Ruling seeking comment on proposed reference system portfolio (RSP) and related policy actions. This sets a GHG emissions target of 46 MMT for 2030 for the electric sector per CARB which is the same target set by the CPUC D.18-02-018. These targets will be used by CAISO for their Transmission Planning Process (TPP). ● Sept 12 and Oct 21, 2019: Proposed Decision and <u>PD Revision 1</u> on electric system reliability procurement from 2021-2023. Load Serving Entities (LSEs) were assigned targets for resource adequacy procurement targets, which included 25 LSEs comprised of IOUs and CCAs. If the requirements for CCAs' RA capacities are not met, they shall notify the CPUC by May 1, 2020 at which time IOUs will be responsible to procure on their behalf with non-bypassable charges allocated to the CCA customers. Various once-through cooling generating stations were granted between 1-3 year extensions to comply with new clean electricity capacity. The 	<p>Impact: RENs, CCAs, LGs</p> <p>Status:</p> <ul style="list-style-type: none"> ● Awaiting PD on RSP after comments are filed on latest ruling

	original deadline was Dec 31, 2020	<p>Next Deliverable:</p> <ul style="list-style-type: none"> Monitor for pending rulings and PDs
<p>R.17-07-007 Interconnection of IDERs and Rule 21 (Monitoring)</p>	<ul style="list-style-type: none"> June 14: <u>Working Group 3 filed its final report</u>. This report focused on planning, construction, and billing of distribution upgrades issues. March 28, 2019: Final Decision issued on Working Group One Report (which was filed March 15, 2018 and was "Urgent/Quickly Resolved Issues and Smart Inverters).The Decision required IOUs to develop illustrative metering configurations and cost tables to provide more transparency in complex metering and interconnection and Screen Q of Rule 21; Screen Q is expanded up to 1MWA systems with less than 500kW of net exports under fast track interconnection (Screen Q), which avoids costly Transmission Cluster Studie; caps the cost of \$20,000 to any new/enhanced telemetry required for systems between 250kW and 9.9MW; Commission neither requires or incentives smart inverters, but allows customers to upgrade to smart inverters; encourages DC metering standards October 31, 2018 <u>Working Group 2 Final Report</u> which focused on Integration Capacity Analysis and Streamlining Interconnection Issues The remaining working groups include: <ul style="list-style-type: none"> Application Processing and Review Issues (Working Group Four) Smart Inverter Issues and Coordination with Rulemaking 14-10-003 (Working Group Five/Smart Inverter Working Group) Smart Inverter Issues and Coordination with Rulemaking 14-10-003 (WorkingGroup Five/Smart Inverter Working Group) Ratesetting Issues Requiring Coordination with Rulemaking 14-08-013 (Working Group Seven) Small and Multi-Jurisdictional Utility Rules (Working Group Eight) 	<p>Impact: RENs, CCAs, LGs</p> <p>Status:</p> <ul style="list-style-type: none"> Awaiting V2G AC Working Group Report Awaiting Working Group 4 Activities June 2020 is anticipated closing of the proceeding and WG 1-8 issues resolved <p>Next Deliverable:</p> <ul style="list-style-type: none"> Monitor Working Group 4 Reports
<p>R.18-12-006 "DRIVE Rulemaking" Development of Rates and Infrastructure for Vehicle Electrification (Monitoring)</p>	<ul style="list-style-type: none"> February 3, 2020 (updated with a ruling on Feb 10 & 14th): <u>Transportation Electrification Framework (TEF)</u> staff proposal was filed (200+ pages). Notable sections are IOU TEF Scorecards to track their progress; guidance for IOUs in program design; IOU role in TE Infrastructure; Equity, Safety and Technology Standards; Customer Rates. The outcome is that IOUs will file 10-year TE plans. Comments are due on a rolling basis (25 pages max) 	<p>Impact: RENs, CCAs CCAs</p> <p>Status:</p> <ul style="list-style-type: none"> Awaiting V2G AC Working Group Report

according to the schedule below (updated Feb 10 from ALJ Doherty):

Action	Date
Opening Comments on the Transportation Electrification Framework Overview (TEF Overview), Investor-Owned Utility (IOU) Transportation Electrification Plan (TEP) Development, IOU Roles, and Near-Term Investment Priorities (Sections 2, 3.1, 3.2, 3.3, 4, and 5)	March 6, 2020
Workshop on TEF Overview, IOU TEP development, IOU Roles and Near-Term Investment Priorities (Sections 2, 3.1, 3.2, 3.3, 4, and 5)	March 23, 2020 (At Commission headquarters in San Francisco)
Reply Comments on Sections 2, 3.1, 3.2, 3.3, 4, and 5	March 26, 2020
Opening Comments on Scorecards, Targets, Metrics, and Reporting Requirements (Section 3.4)	April 9, 2020
Workshop on Scorecards, Targets, Metrics, and Reporting requirements (Section 3.4)	May 6-7, 2020 (At Commission headquarters in San Francisco, Courtyard Room)
Reply Comments on Section 3.4	May 20, 2020

Action	Date
Opening Comments on Safety, Technology, and Standards due (Sections 7 and 8)	June 4, 2020
Workshop on Safety, Technology, and Standards (Sections 7 and 8)	June 16, 2020 (At Commission headquarters in San Francisco, Courtyard Room)
Reply Comments on Sections 7 and 8	June 30, 2020
Opening Comments on Equity, Rates, Cost Recovery, Alternative Financing, Partnerships, VGI, ME&O, and Emerging Trends (Sections 6, 9, 10, 11, and 12)	July 14, 2020
Reply Comments on Sections 6, 9, 10, 11, and 12	July 28, 2020
Proposed Decision Adopting TEF	October 2020
Decision Adopting TEF	December 2020

- December 11, 2019: [Final Report on the V2G Alternating Current Interconnection Subgroup](#)
 - Addresses V2G AC systems with bidirectional mobile inverter in PEVs (plug-in electric vehicles)

Next Deliverable:

- Monitor for upcoming Rulings and PDs

- A separate report will address V2G DC systems with bidirectional stationary inverter on electric vehicle supply equipment (EVSE) which in this proceeding is called direct current fast chargers (DCFCs)
- The Dec 11th report found that Rule 21 as written is ok for V2G DC systems, but not for V2G AC (mainly because of the mobile nature of the electricity supply/demand as opposed to a charging station which sits in one place)
- The gaps found in the report are that:
 - The UL 1741 standard needs to be updated for vehicles
- An overall graphic of the issues and possible configurations is below (SAE = Society of Automotive Engineers)

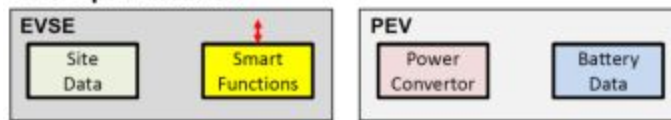
V2G-DC



V2G-AC



V2G-Split Inverter



Selected Communications Notes

↔ SAE J3072 ↑ Engage with designated DER Control Entity

- The report identifies a handful of technical industry standards that need updates
- It also identifies practical challenges including: how to authenticate and authorize a PEV to discharge to the grid; business use cases need to be understood to absorb energy at a customer site from a PEV; and "interconnection" from a PEV to a charger is uncharted territory
- August 23, 2019: Ruling to create subgroup and schedule to develop a proposal on mobile inverter technical requirements for Rule 21 (This ruling was filed under R.17-07-007 and R.18-12-006). The Vehicle to Grid Alternating Current (V2G AC) Interconnection Working Group was formed to bridge the gap between the two proceedings. The V2G AC WG was proposed by the California Energy

	<p>Storage Association and the motion was granted in this ruling.</p> <ul style="list-style-type: none"> ● This originally closed 13-11-007 and aims at developing a comprehensive framework for electrification of CA’s transportation sector “Transportation Electrification Framework” (TEF) ● May 2, 2019 OIR Filed: Issues include: <ul style="list-style-type: none"> ○ Topic 1: Issues related to the Transportation Electrification Framework ○ Topic 2: Cost Recovery Mechanisms for TE Investments ○ Topic 3: Rates for ZEVs and Hydrogen-Fueled Vehicles ○ Topic 4: Vehicle Grid Integration ○ Topic 5: Coordination with Existing ZEV Programs ○ Topic 6: Safety ○ Topic 7: Other ● The rulemaking started with SB 350, SB 1000, and AB 2127 	
<p>R.19-01-011 Rulemaking Regarding Building Decarbonization (Monitoring)</p>	<ul style="list-style-type: none"> ● March 3, 2020: Parties submitted opening comments on PD of BUILD and TECH programs. Common themes included: <ul style="list-style-type: none"> ○ Clarifications requested on what and how utility bill savings are needed to qualify for incentives ○ GWP thresholds in the TECH program will severely limit program participation due to the technical potential leaving only one product being eligible for the proposed TECH program. CARB is proposing a GWP limit of 750 to start in 2023 for new construction equipment in stationary AC systems. CPUC should adopt the limits and timeframe that CARB has outlined, which varies by equipment and construction status. ○ Increased coordination should be specified between the TECH and BUILD admins and the current EE PAs ○ The available funding should not be pre-determined by IOU service area, but rather be statewide as outlined in the EE Market Transformation Framework ○ More assurance is needed that low-income customers are served first before the CPUC considers re-distributing funds after the initial 2 years of program delivery ○ Pushback from IOUs on sharing infrastructure data because of safety/security, or that they don’t maintain the data in formats specified in the PD 	<p>Impact: RENs, CCAs and LGs</p> <p>Status:</p> <ul style="list-style-type: none"> ● Proposed Decision (PD) on SB 1477 Implementation ● SoCalREN is a party to the proceeding <p>Next Deliverable:</p> <ul style="list-style-type: none"> ● Reply comments on PD and wait for Final Decision

- Evaluation metrics should focus on \$/GHG impact
- Varying opinions on TECH program technology lists, if they should exist or what they should include
- Commission is urged to move quickly or conduct a market study related to the program potential in parallel to selecting PAs
- Debate exists on what the cap should be on administrative budgets
- February 12, 2020: PD issued on TECH (Technology and Equipment for Clean Heating) and BUILD (Building Initiative for Low Emissions Development) programs; \$80M for BUILD Program (\$60M for low-income housing); \$120M for TECH Initiative; 750 GWP refrigerant threshold for technologies
 - Source of funds is Cap and Trade revenue from gas corporations
 - Guiding principles are equity, cost-effectiveness, regulatory simplicity, and market transformation
 - BUILD admin is CEC; main activities include new construction all-electric homes; unspent funds after 2 years may be expanded beyond the initial activities and into market-rate housing; existing buildings; repurposing nonres buildings for residential; CEC may solicit a 3rd party implementer
 - TECH will have SCE as the contracting agent with a 3rd party as the PA/Implementer; Tier 3 AL shall be filed; upstream and midstream strategies are the focus for space and water heating emerging technologies; “quick start grants” are a strategy for the admin to distribute low income; DAC/HTR are the target customers
 - One EM&V contractor will evaluate both BUILD and TECH programs
 - Evaluation metrics are included in the appendix of the PD
- November 22, 2019: Reassignment of rulemaking to Commissioner Liane Randolph
- February 8, 2019: Rulemaking opened on Building Decarbonization. The focus will be on:
 - Track 1SB 1477 Implementation (TECH and BUILD)
 - Track 2 Pilots to redevelop wildfire areas
 - Track 3 Coordinate T24, 20 and further decarbonization potential
 - Track 4 Policy framework issues on programs, rules, rates and decarbonization topics to meet State GHG goals
- Initial funding source is Cap and Trade funds

A.19-08-013
 SCE Authority to
 Increase its
 Authorized
 Revenues for
 Electric Service in
 2021
(Monitoring)

- February 20, 2020: SCE Submitted Joint Case Management Statement. SCE, Cal Advocates, TURN, Energy Producers and Users Coalition (EPUC) and Coalition of CA Utility Employees collectively submitted the statement as “2021 GRC Parties.” SCE is requesting an additional attrition (background)year (2024) as part of their RAMP (Risk Assessment Mitigation Phase) and add another Track (4) to the proceeding for the extra year. No opposition from parties except TURN. Here is the CPUC GRC Manual. Adding an additional attrition year is interesting because future electrification may affect the revenue requirements for SCE.
- December 11, 2019: SCE webinar on GRC and Grid Modernization (Conference call-in number: 213-297-0156 Participant passcode: 457450178#)
- November 25, 2019: Scoping Ruling Issued
 - Track 1: 2021-2023 Revenue Request
 - Track 2 and Track 3: Recorded Wildfire Mitigation Memorandum Accounts

Event	Date
SCE Supplemental Testimony Addressing RAMP-Related Recommendations	4/3/2020
Cal Advocates Direct Testimony	4/10/2020
Intervenor Direct Testimony	5/5/2020
Public Participation Hearings	March - April 2020
SCE Potential Testimony for Wildfire/Infrastructure Replacement Re-Prioritization Proposals and Post Test Year Ratemaking Update (If Necessary)	6/2/2020
Concurrent Rebuttal Testimony	6/12/2020
Evidentiary Hearings	7/6-24/2020 Commission Courtroom State Office Building 505 Van Ness Avenue San Francisco, CA 94102
Update Testimony ⁽¹⁾	7/24/2020
Hearings on Update Testimony	8/5/2020
Opening Briefs/Request for Oral Argument	9/11/2020
Reply Briefs	10/2/2020
Track 1 Proposed Decision	Q4 2020/Q1 2021

Impact: RENs, CCAs and LGs

Status:

- Awaiting follow-up from joint case management statement comments

Next Deliverable:

- Monitor comments on JCM statement

	Event	Date
Track 2	Independent Auditor Retention	1/31/2020
	SCE Testimony on 2019 Wildfire Mitigation MAs	2/20/2020
	Incrementality Audit Served	4/1/2020
	Workshop on Results of Incrementality Audit	TBD
	Intervenor Direct Testimony	8/14/2020
	SCE Rebuttal Testimony	9/7/2020
	Evidentiary Hearings	9/21-23/2020 Commission Courtroom State Office Building 505 Van Ness Avenue San Francisco, CA 94102
	Opening Briefs	10/22/2020
	Reply Briefs	11/13/2020
	Track 2 Proposed Decision	Q1 2021
Track 3	Independent Auditor Retention	1/31/2021
	SCE Testimony on 2020 Wildfire Mitigation MAs	3/2/2021
	Incrementality Audit Served	4/1/2021
	Workshop on Results of Incrementality Audit	TBD
	Intervenor Direct Testimony	7/2/2021
	SCE Rebuttal Testimony	8/2/2021
	Evidentiary Hearings	9/1-3/2021 Commission Courtroom State Office Building 505 Van Ness Avenue San Francisco, CA 94102
	Opening Briefs	10/4/2021
	Reply Briefs	11/5/2021
	Track 3 Proposed Decision	Q1 2022

- November 21, 2019: SCE Amended application to reflect additional costs not included as an error. The new request is \$1.319B / 20.5% increase. The increase is now reflective of \$0.155B in associated capitalized overheads not previously included
- September 28, 2019: Resolution setting Oct 28, 2019 for a joint case management statement on the procedural schedule for this application
- SCE requested an Authorized Base Revenue Requirement (ABRR) of \$7.601 billion effective January 1, 2021; this represents a \$1.295 billion or 20.1% increase in 2020 over the currently authorized and requested base rates
- Justifications include wildfire safety and meeting SB 100 while “keeping the lights on”

R.19-09-009
Rulemaking
Regarding
Microgrids
(SB1339)
(Monitoring)

- March 3-4, 2020: Comments filed on Track 1 Microgrid and Resiliency Strategies. Recurring topics included:
 - Prioritization of interconnection applications at “key sites”
 - Modify NEM tariffs to remove storage sizing limits
 - Modify/increase storage capacity limits when pairing storage with NEM
 - Give LGs access to distribution infrastructure data for resilience planning
 - Do not allow IOUs to deploy fossil fuel generation as part of their resilience strategies

Impact: RENs, CCAs and LGs

Status:

- SoCalREN is not a party to the proceeding and is considering party status

Next Deliverable:

- Monitor

- March 2, 2020: Outside R.19-09-009 but related to AB2868 / R.15-03-011: SCE filed an application for 2 programs:
 - In accordance with the statute and having considered input from stakeholders, SCE proposes two behind-the-meter (BTM) programs: (1) the New Home Energy Storage Pilot (NHESP) to incentivize storage adoption in new construction housing subject to Title 24 photovoltaic (PV) code requirements; and (2) the Smart Heat Pump Water Heater Program, a thermal storage program similar to Pacific Gas and Electric's (PG&E) "WaterSaver Program" adopted by the Commission in D.19-06-032. SCE is requesting approval of a \$5 and \$15 million budget respectively to implement its two programs.
- January 29, 2020: Comments were filed on IOU and Staff Resiliency Proposals
 - Of note LGSEC recommends that while IOUs spend 100's of millions of \$ in resiliency, they should also fund \$5M for LG resiliency officers; also \$1.5M for LGs is requested to study back up generators (BUGs) to see how they can be better addressed for resiliency
- January 21, 2020: Track 1 Microgrid and Resiliency Strategies Staff Proposal issued. [ALJ Ruling requesting comments](#)
 - [SCE Resiliency Proposal](#) to pursue 6 fossil fuel based generators located on substations to increase resiliency