

DOCKETED

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Community Choice Aggregation (CCA) Outlook in SCE's Service Territory

IEPR Energy Demand Forecast Update Workshop

Eduardo Martinez, Southern California Edison Company

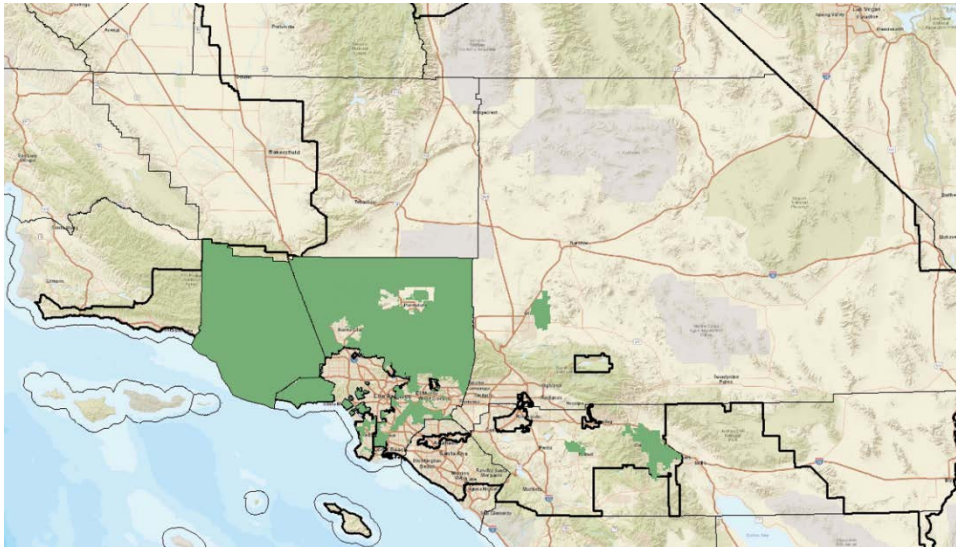
July 10, 2018

Agenda

- I. CPUC RA ruling for 2019
- II. SCE's Near-Term Forecasting
- III. SCE's Long-Term Outlook

CPUC RA Ruling for 2019

- **Resolution E-4907** authorizes potential CCAs to submit an RA forecast, pursuant to P.U. Code §380, to indicate an intent to make an initial RA filing in October for the upcoming year.
- For SCE in 2019 this includes¹:



- Lancaster (2015)
- Apple Valley (2017)
- Pico Rivera (2017)
- Clean Power Alliance (2018, 2019)²
- San Jacinto (2018)
- Rancho Mirage (2018)
- Desert Cities (2018)

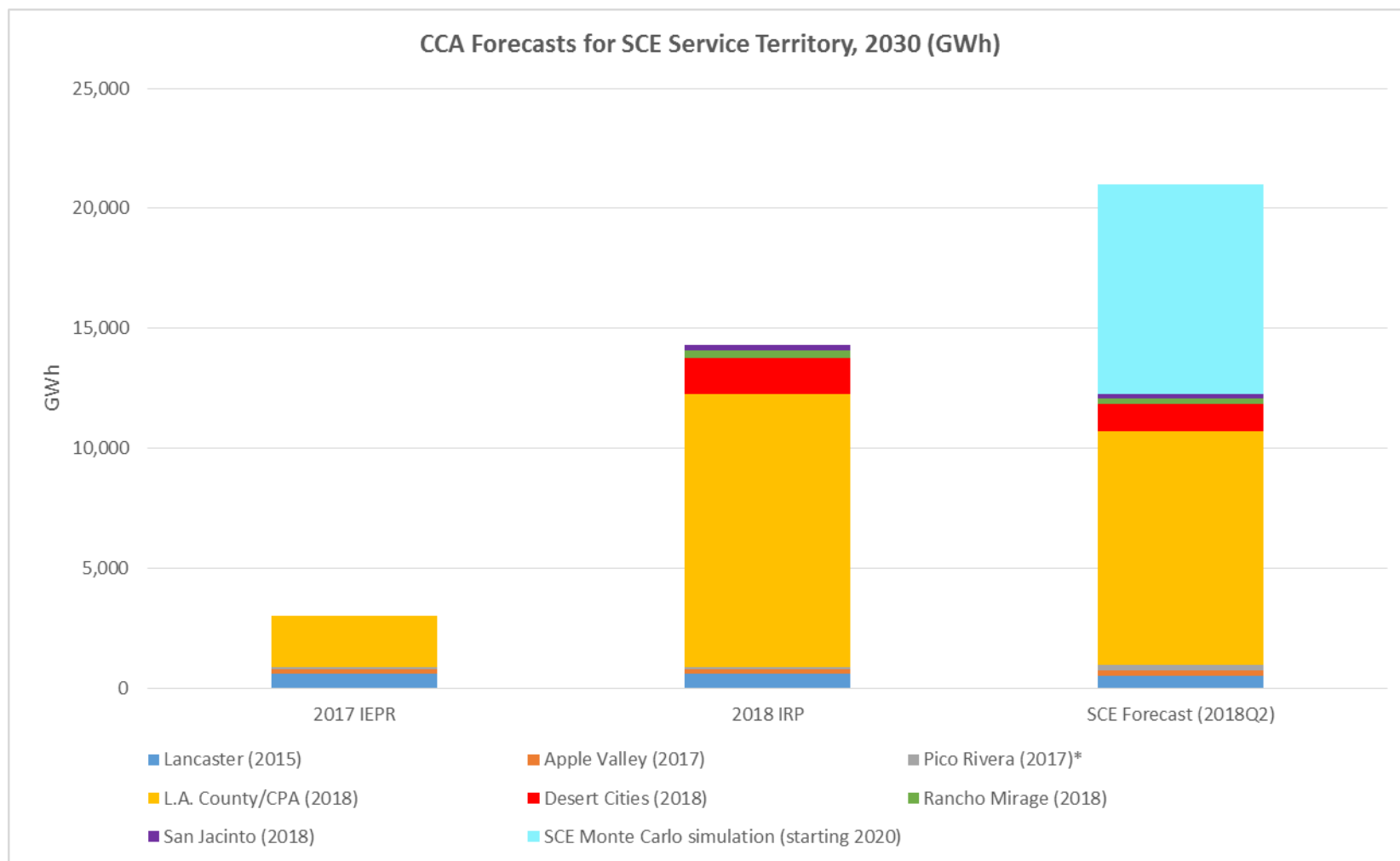
¹ Riverside County (unincorporated) also included but opted to not begin CCA service in 2019

² 2018 for phases 1 and 2 and 2019 for phases 3, 4, and 5

SCE CCA Short Term (Year Ahead) Forecasting Criteria

1. Filing of a binding notice of intent (BNI) to begin CCA service
2. Initial Resource Adequacy (RA) filing
3. Start of CCA service
4. Formal submission of an April RA forecast for the following year pursuant to California Public Utilities Code Section 380 (new for 2019)

SCE's Long-Term CCA Outlook



(YYYY) denotes start of CCA service

SCE estimates that CCA load will account for 26% of retail load in 2030. Bundled load will account for 61% and DA load will account for 13%.

Addressing Uncertainty in SCE's Long-Term CCA Outlook

Uncertainty weighs on SCE's long-term outlook

- Several entities have started considering CCA adoption, including filed but not approved implementation plans
- PCIA reform may alter consideration of CCA adoption for entities

Given these uncertainties, it is prudent to use a Monte Carlo simulation beyond 2019 for long-term procurement and planning

New SCE CCA Entities in 2018 and 2019

Feb 2018	Apr 2018	May 2018	Jun 2018	Aug 2018	Jan 2019	Mar 2019	Jun 2019
<u>CPA Phase One</u>	San Jacinto	Pico Rivera*	<u>CPA Phase Two</u>	<u>Desert Cities</u>	<u>CPA Phase Three</u>	<u>CPA Phase Four</u>	<u>CPA Phase Five</u>
Los Angeles County		Ranch Mirage	Los Angeles County	Cathedral City	Agoura Hills	Agoura Hills	Camarillo
			Rollings Hills	Palm Desert	Alhambra	Alhambra	Moorpark
			South Pasadena	Palm Springs	Arcadia	Arcadia	Oxnard
					Beverly Hills	Beverly Hills	Redondo Beach
					Calabasas	Calabasas	Simi Valley
					Carson	Carson	Ventura (City)
					Claremont	Claremont	Whittier
					Culver City	Culver City	
					Downey	Downey	
					Hawaiian Gardens	Hawaiian Gardens	
					Hawthorne	Hawthorne	
					Malibu	Malibu	
					Manhattan Beach	Manhattan Beach	
					Ojai	Ojai	
					Paramount	Paramount	
					Rolling Hills Estates	Santa Monica	
					Santa Monica	Sierra Madre	
					Sierra Madre	Temple City	
					South Pasadena	Thousand Oaks	
					Temple City	Ventura County	
					Thousand Oaks	West Hollywood	
					Los Angeles County		
					Ventura County		
					West Hollywood		

* Denotes Phase Two for Pico Rivera (Non-Res)

CPA Phases: One (Muni), Two (Non-res), Three (Res), Four (Non-res), and Five (Non-res and Res)

Long Term CCA Forecasts

CCA Forecasts for SCE Service Territory, 2030 (GWh)

Entity	2017 IEPR	2018 IRP	SCE Forecast (2018Q2)
Lancaster (2015)	581	581	511
Apple Valley (2017)	200	200	213
Pico Rivera (2017)*	70	70	247
L.A. County/CPA (2018)	2,151	11,378	9,731
Desert Cities (2018)	0	1,531	1,135
Rancho Mirage (2018)	0	326	230
San Jacinto (2018)	0	191	163
SCE Monte Carlo simulation (post 2019)	0	0	8,774

**Pico Rivera 2017 IEPR and 2018 IRP figure is for residential CCA load only and SCE forecast for Pico Rivera is total CCA load.*