

<b>DOCKETED</b>	
<b>Docket Number:</b>	18-IEPR-04
<b>Project Title:</b>	Energy Demand Forecast Update
<b>TN #:</b>	224104
<b>Document Title:</b>	Presentation - Update to Community Choice Aggregation - Silicon Valley Power Data Centers
<b>Description:</b>	Presentation by Miguel Cerrutti and Chris Kavalec at the July 10 IEPR Commissioner Workshop on the 2018 California Energy Demand Forecast Update
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<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	7/9/2018 4:47:45 PM
<b>Docketed Date:</b>	7/9/2018

# Update to Community Choice Aggregation

## Silicon Valley Power Data Centers



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California Energy Commission  
July 10, 2018





# CCA Energy Forecasts

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- IEPR Form 1.1C deliveries to end users by agency
- QFER – Quarterly Fuel and Energy Report - history
  - LSEs submit monthly data each quarter
    - May 15<sup>th</sup>, August 15<sup>th</sup>, November 15<sup>th</sup>, and February 15<sup>th</sup>
- Resource adequacy (RA) - 2019 year-ahead monthly forecasts
  - Gap b/w IOUs and CCAs forecasts – Pro-rata plausibility allocation
- IEPR forecast submission – LSEs with  $\geq 200$  MW



# Existing CCA

CCA Name	Date Commenced Service	Submitted QFER Data*	IOU
CleanPowerSF	May 2016	2016Q2-2018Q1	PGE
East Bay Community Energy (EBCE)	June 2018	N/A; Expected to receive 2018Q2 data August 15th	PGE
King City Community Power	July 2018	N/A; Expected to receive 2018Q2 data August 15th	PGE
Marin Clean Energy	May 2010	2013Q3-2018Q1	PGE
Monterey Bay Community Power	March 2018	2018Q1	PGE
Peninsula Clean Energy Authority	October 2016	2016Q4-2018Q1	PGE
Pioneer Community Energy	February 2018	2018Q1	PGE
Redwood Coast Energy Authority	May 2017	2017Q2-2018Q1	PGE
Silicon Valley Clean Energy Authority	April 2017	2017Q2-2018Q1	PGE
Sonoma Clean Power	May 2014	2014Q2-2018Q1	PGE
Valley Clean Energy Alliance	June 2018	N/A; Expected to receive 2018Q2 data August 15th	PGE
Apple Valley Choice Energy	April 2017	2017Q2-2018Q1	SCE
Clean Power Alliance	June 2018	N/A; Expected to receive 2018Q2 data August 15th	SCE
Desert Community Energy	August 2018 (?)	N/A; Expected to receive 2018Q3 data November 15th	SCE
Lancaster Choice Energy	May 2015	2015Q2-2018Q1	SCE
Pico Rivera Innovative Municipal Energy	September 2017	2017Q3-2018Q1	SCE
Rancho Mirage Energy Authority	May 2018	N/A; Expected to receive 2018Q2 data August 15th	SCE
San Jacinto Power	April 2018	N/A; Expected to receive 2018Q2 data August 15th	SCE
Solana Energy Alliance (SEA)	June 2018	N/A; Expected to receive 2018Q2 data August 15th	SDGE
San Jose Clean Energy	September 2018	N/A; Expected to receive 2018Q3 data November 15th	PGE <sup>4</sup>



# Updating CCA Energy Forecasts

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- Existing CCAs serving customers in 2018
  - CCA's start serving customers in mid to late 2018
    - QFER partial data / information about phases & timing
- No CCA has received CPUC certification for implementation plan
  - No CCAs have set target launch for services beyond 2019 as of July 2018
  - Unclear whether some interested entities will ultimately create CCAs
- CCAs required to fully comply with CPUC RA rules and timelines
  - Additional CCAs planning to serve load beyond 2019 ?
    - RA submission process – By January 1, 2019 – 90 days before RA year-ahead
  - Mitigate impacts in RA, LTPP, IRP



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# DATA CENTERS



# Silicon Valley Power: Load from Additional Data Centers

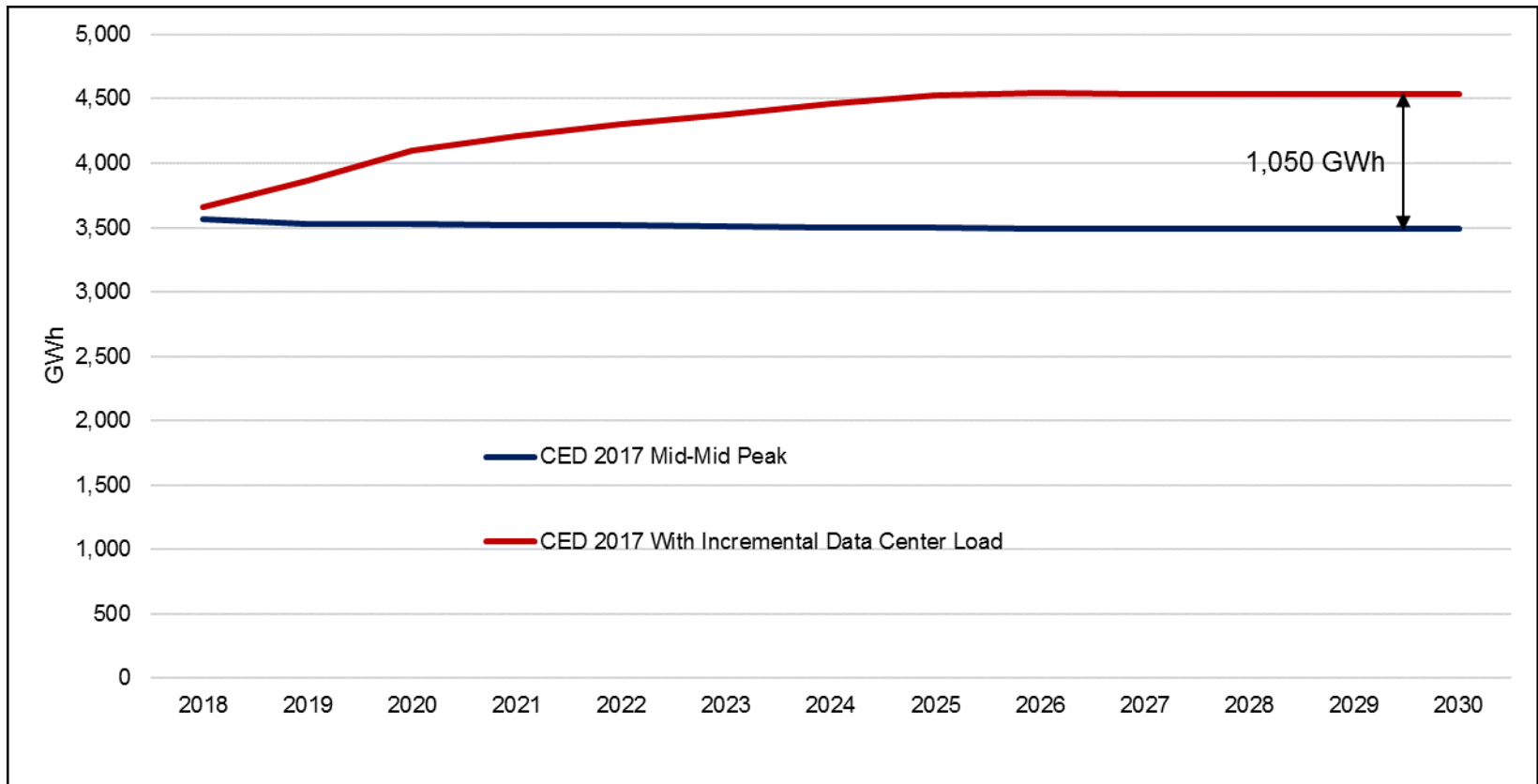
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- Santa Clara is a hub for data centers (currently 32)
- Expected addition/expansion of data centers in the next few years—not accounted for in CED 2017
- SVP provided specs for addition/expansion by entity as well as load factors
- Almost all of the incremental load (95%) coming from three sources: Vantage, Coresite, and Digital Realty



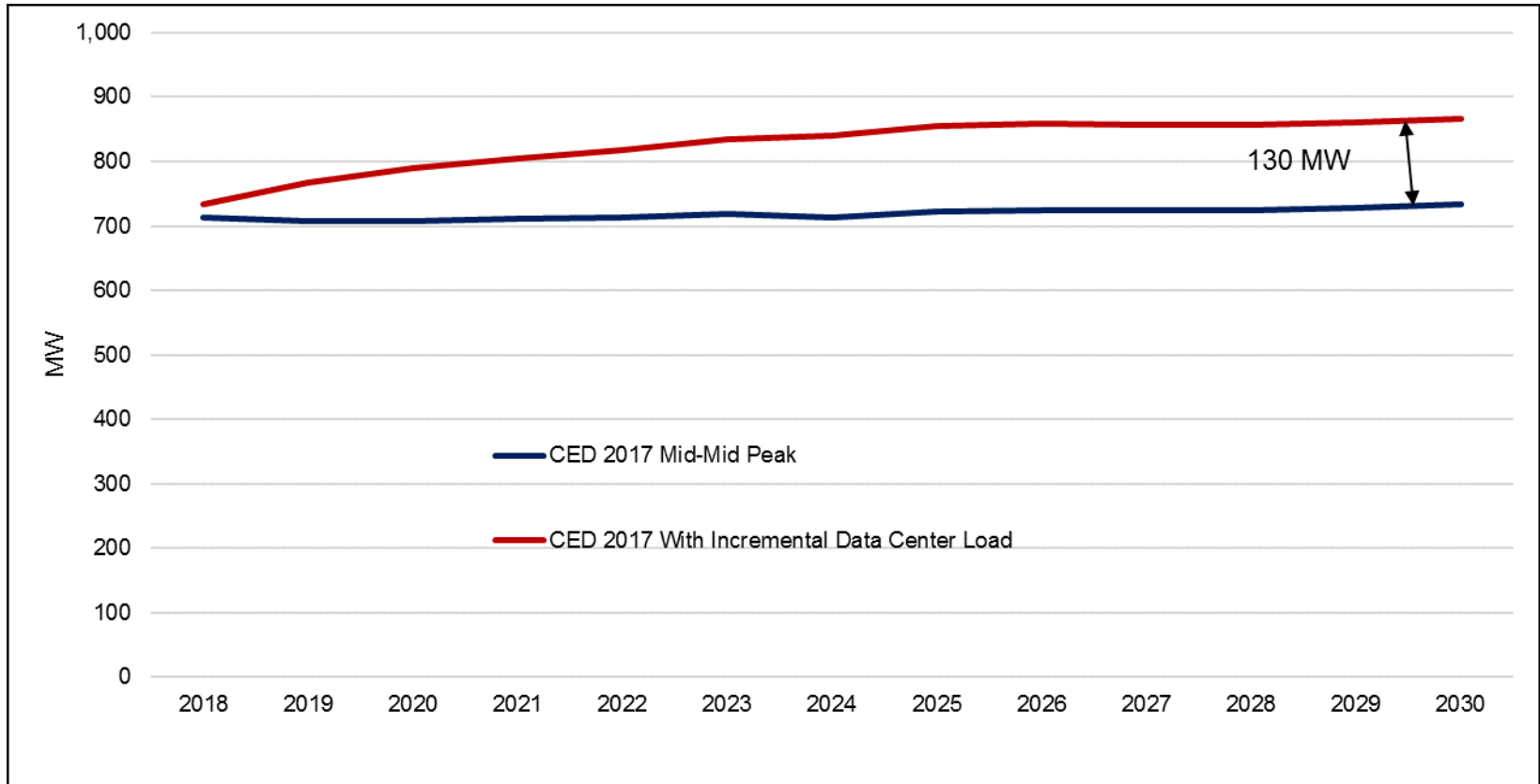


# Preliminary Projected Incremental Annual Energy Load for SVP





# Preliminary Projected Incremental Annual Peak Load for SVP





# Next Steps

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- Adjust for (net out) pro-rated growth in the appropriate building type from CED 2017
- Check back with SVP for any comments or updates
- Reconcile weather-normalized peak with SVP