



**CPUC Public Agenda 3397**  
**Thursday, May 11, 2017 9:30 a.m.**  
**Merced, CA**



**Commissioners:**  
**Michael Picker, President**  
**Carla J. Peterman**  
**Liane M. Randolph**  
**Martha Guzman Aceves**  
**Clifford Rechtschaffen**

[www.cpuc.ca.gov](http://www.cpuc.ca.gov)





# The Pledge of Allegiance



“I pledge allegiance to the Flag of the  
United States of America,  
and to the Republic for which it stands,  
one nation under God,  
indivisible,  
with liberty and justice for all.”





# Emergency Evacuation

Safety is our number one priority:

Please listen to the emergency evacuation instructions for this location.





# CPUC Mission

The CPUC regulates services and utilities, protects consumers, safeguards the environment, and assures Californians' access to safe and reliable utility infrastructure and services.





# CPUC Core Values

Accountability  
Excellence  
Integrity  
Open Communication  
Stewardship





# Commissioner Code of Conduct

- **I. Commissioners should conduct themselves in a manner that demonstrates respect for the public, for fellow Commissioners, and for Commission staff.**
- **II. Commission meetings should be opportunities for a full and respectful exchange of ideas and the responsible execution of Commission duties.**
- **III. Serving on the Commission is an honor and Commissioners should treat their colleagues at the Commission with respect for the varied backgrounds, skills and interests that each one brings.**
- **IV. Commissioners are public officials who should uphold the integrity of their office at all times.**





# Regular Agenda – Management Reports and Resolutions

**Item # 34 [15695]**

## **Management Report on Administrative Activities**

---

---





# CPUC Data Dashboard

## an energy picture of Merced

California Public Utilities Commission  
San Francisco, CA

Policy & Planning Division





# Purpose of the Data Dashboard Project

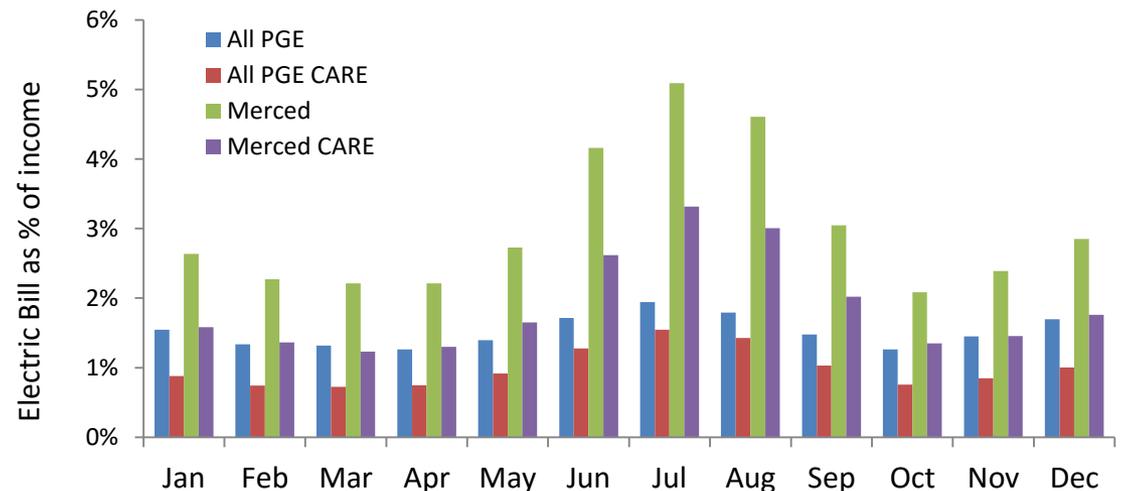
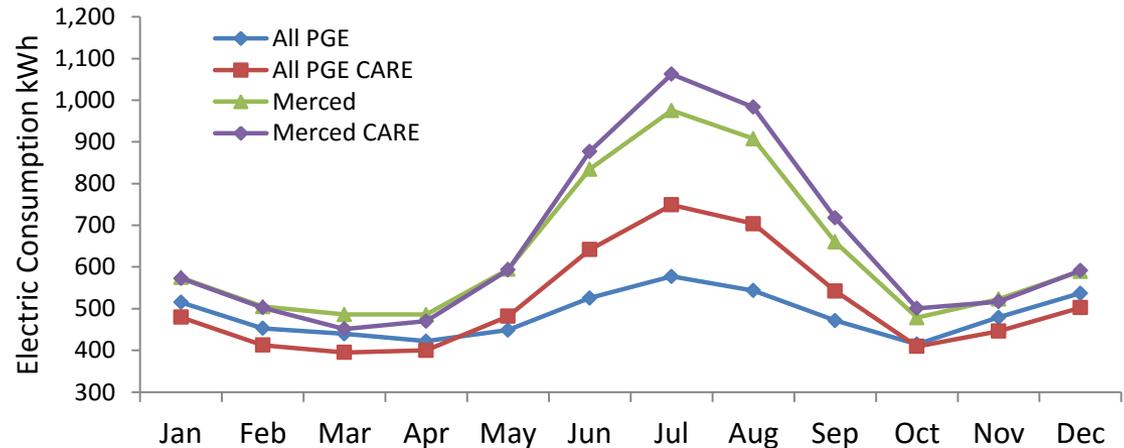
- ✓ Publish key datasets in 9 general data categories to shed light on utility performance in a publicly accessible manner.
  - 1. Residential Electric Usage and Bill Data**
  - 2. Customer satisfaction**
  - 3. Customer engagement**
  - 4. System efficiency**
  - 5. Safety**
  - 6. Network support services**
  - 7. Environmental goals performance**
  - 8. Utility workforce**
  - 9. Research and development projects**
- ✓ Enable customers to have visibility to how their usage and rates compare with others and gain insights into the overall energy infrastructure and performance in the state
- ✓ Provide policy makers an added tool to better guide their decision-making and to increase the transparency on utility activities in areas that impact the public.



# Average Electric Usage & Bill

Customers in Merced have roughly 1/3 lower monthly incomes than the State average. They consume and spend about 1/3 more on electricity, but **double** the state average as a percent of their total income.

Regional Averages	State	Merced	% higher (lower)
Monthly Income*	\$7,323	\$4,866	(33.6%)
kWh / Month	485.6	634.2	30.6%
Bill / Month (\$)	\$111.01	\$147.18	32.6%
Percent of income	1.52%	3.02%	98.7%



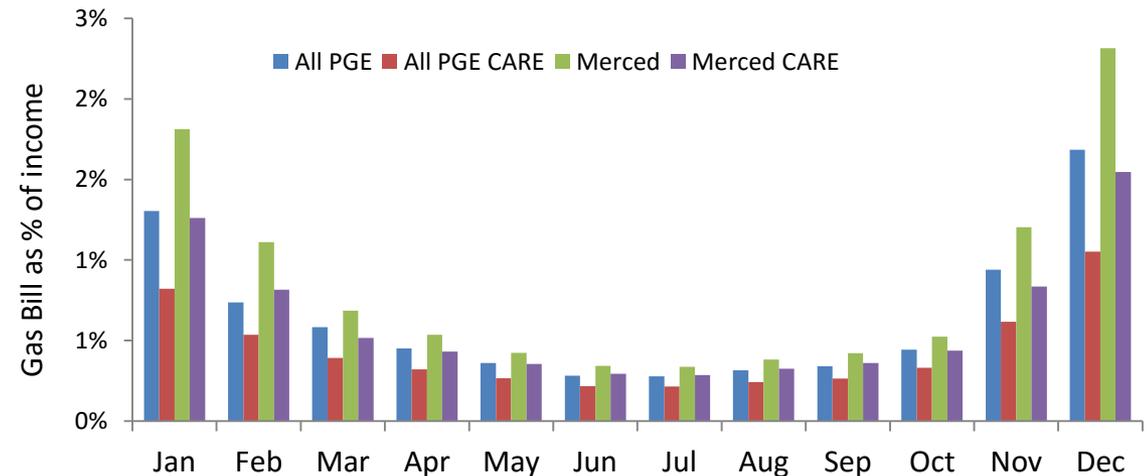
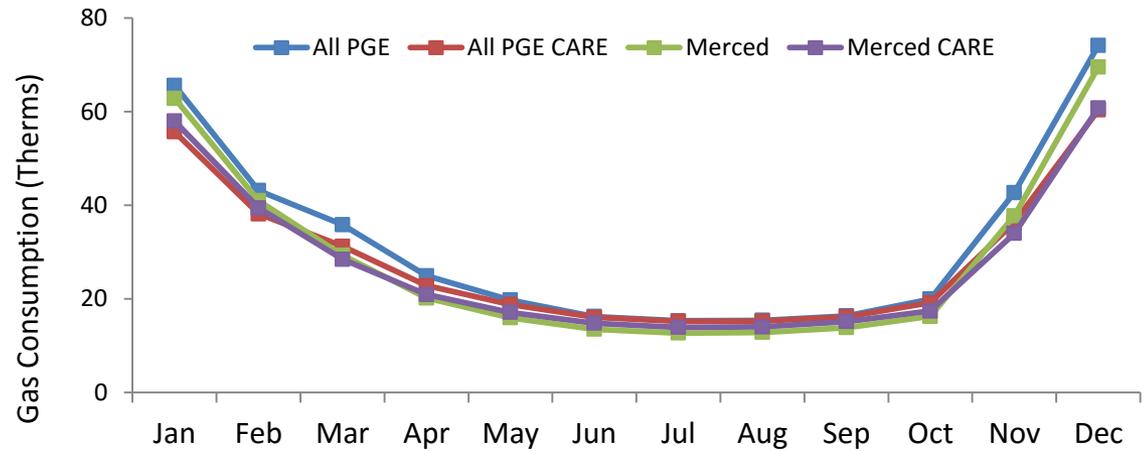
\*US Census ACS 2011 – 2015  
5 Year estimate



# Average Gas Usage & Bill

*Customers in Merced consume and spend less than the State average on natural gas, but still spend disproportionately higher (nearly a third more) than the state average as a percent of their monthly income.*

Regional Averages	State	Merced	% higher (lower)
Monthly Income*	\$7,323	\$4,866	(33.6%)
Therms / Month	32.4	28.8	-11.1%
Bill / Month (\$)	\$47.11	\$40.93	-13.1%
Percent of income	0.64%	0.84%	31.3%



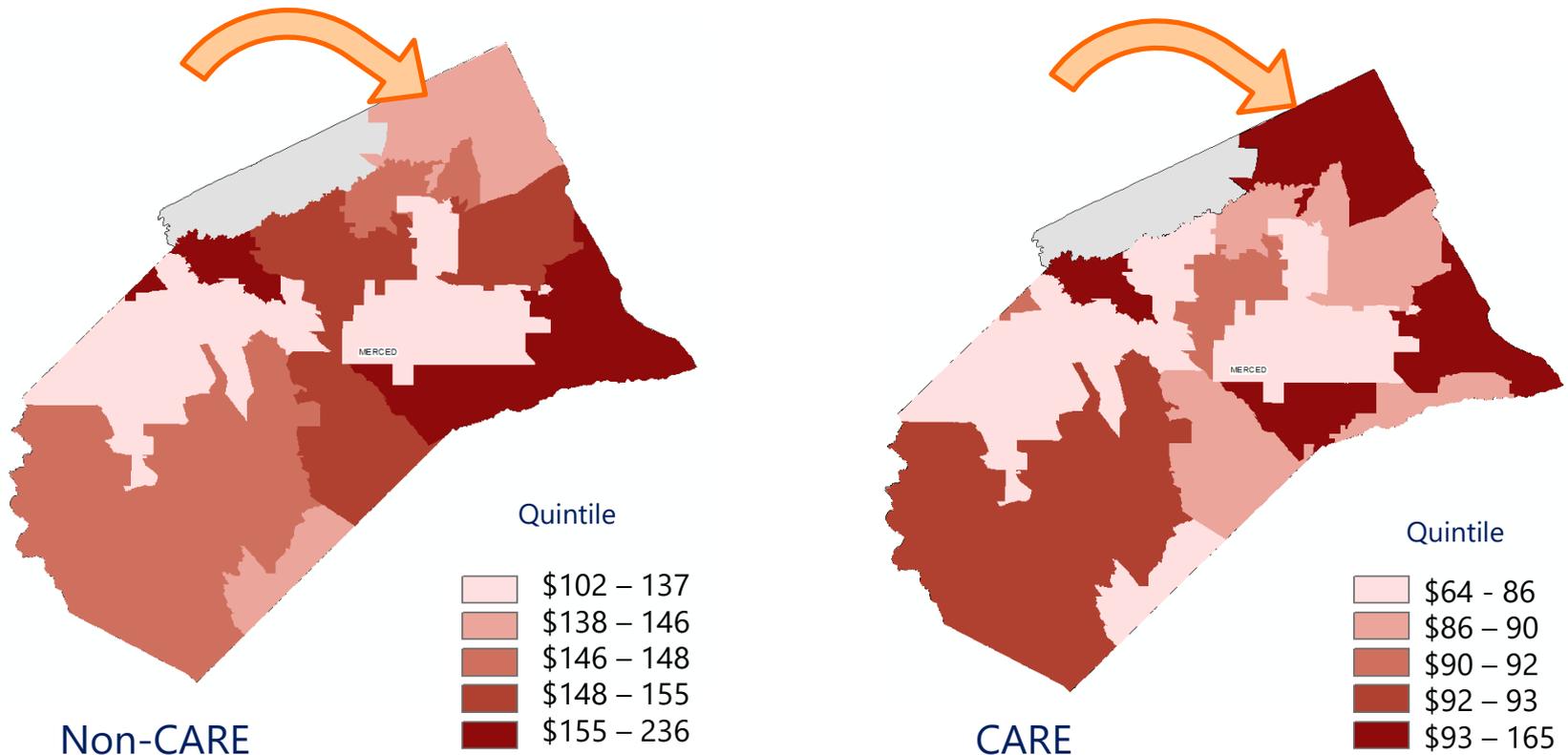
\*US Census ACS 2011 – 2015  
5 Year estimate



# Localized Insights

*For the first time, we can uncover insights into localized usage and rates. For example, we can easily see billing differences by customer segments (non-CARE vs. CARE) in the same zip code.*

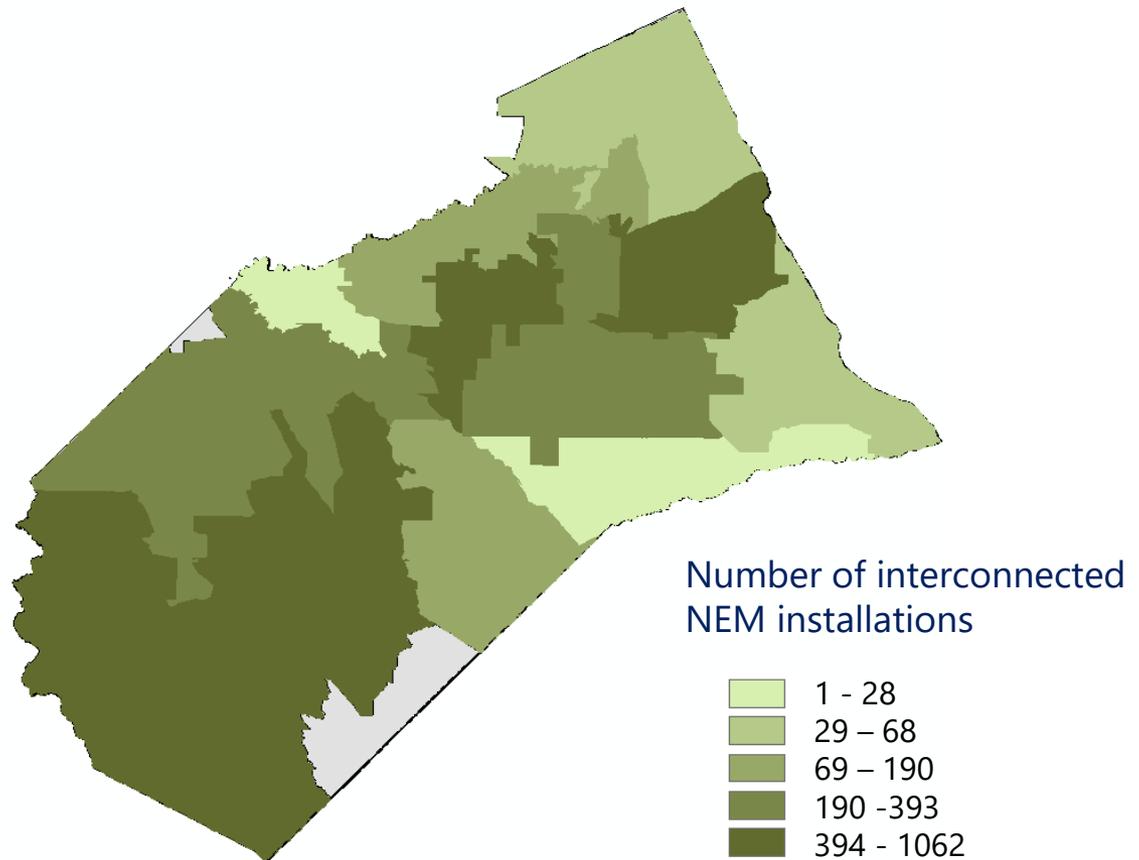
## Average Annual Electric Bill by Zip Code



# Comparative Analysis

*This data also allows us to draw insights into local customer participation in various energy programs, enabling utilities to help allocate resources where they are most needed.*

- ✓ Disaggregated data by zip code allows for comparative analysis to assess performance of various clean energy programs.
- ✓ For example, how do consumer programs that support clean distributed energy resources perform in these areas?
- ✓ The Data Dashboard project will allow us to better perform this type of analysis across proceedings.



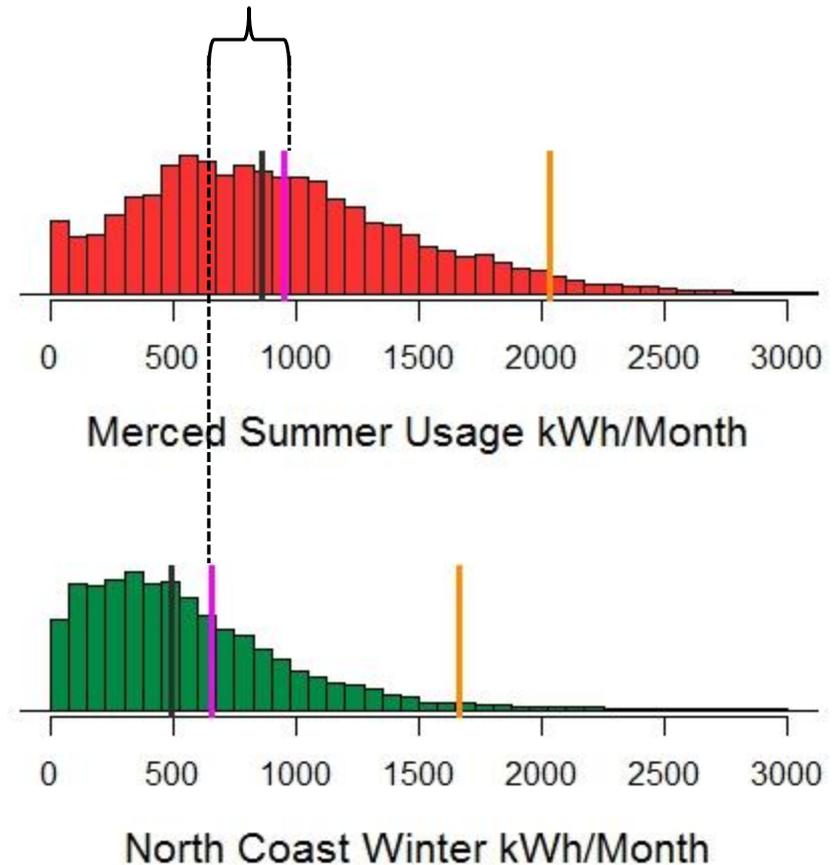
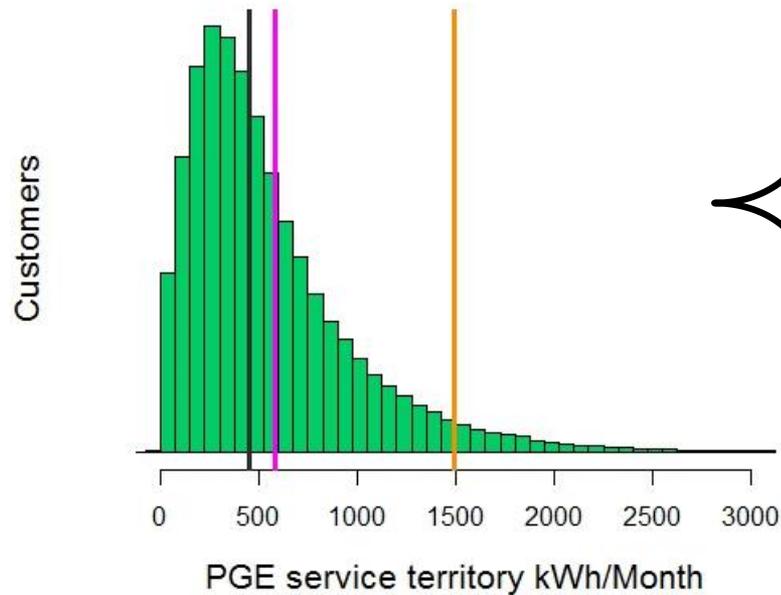


# PG&E Territory vs Merced

*Regions are significantly different from one another (i.e. climate, infrastructure, economics, etc.) and understanding the differences enables policy makers to allocate resources equitably.*

Energy Usage kWh	Year	Merced Summer	NC Winter
Mean	581	948	657
Median	448	857	491
95 <sup>th</sup> percentile	1,488	2,027	1,659

*On average Merced uses 60% more in the summer than the North Coast does in the winter*



# More Information

Where can you find this information? [www.cpuc.ca.gov](http://www.cpuc.ca.gov)

The screenshot shows the CPUC website with a navigation menu at the top: File, Edit, View, History, Bookmarks, Tools, Help. The address bar shows [www.cpuc.ca.gov](http://www.cpuc.ca.gov). The main content area is divided into several sections:

- Overview of Support Programs:** Includes links for "Provides discounted home phone and cell phone services to eligible households", "Lower your Energy Bills!", "California Advanced Services Fund (CASF) promotes deployment of high-quality advanced communications services.", "Provides assistive telecommunications equipment, speech generating devices, and relay services.", and "Provides discounted communications services to schools, community colleges, libraries, etc."
- CPUC Regulates and Registers these Services to Protect the Public:** Features five categories with icons and descriptions:
  - Energy:** The CPUC regulates investor-owned electric and natural gas utilities operating in California.
  - Communications:** The CPUC develops and implements policies for the telecommunications industry.
  - Rail:** The CPUC is the state agency that oversees rail safety; this includes freight, inter-city and commuter railroads, rail transit and rail crossings.
  - Passenger & Moving:** The CPUC also administers safety oversight and enforcement of moving companies and passenger carriers (limousines, shuttles, etc.).
  - Water:** The CPUC investigates water and sewer system service quality issues, analyzes, and processes utility rate change requests.
- Utility Data Dashboard:** A section with a calendar grid (21-27) and a message: "No Events scheduled on this date!". Below the calendar is a link to "Utility Data Dashboard" with a description: "Look through our utility performance data." An orange arrow points to this link.
- Voting Meeting:** A section with a link to "Voting Meeting" and a description: "The CPUC holds regularly scheduled public meetings where at least three of the five commissioners (a quorum) meet to discuss and vote on various issues." Below this is a link to "More Info" and "Current Agenda".

The Windows taskbar at the bottom shows the date and time as 7:58 AM on 5/6/2017.

## What's Next?

- ✓ Data on System Efficiency, Customer Satisfaction, & Customer Engagement



# Regular Agenda – Management Reports and Resolutions

**Item # 34 [15695]**

## **Management Report on Administrative Activities**

---

---





# Public Comment

- Per Resolution ALJ-252, any member of the public (excluding parties and their representatives) who wishes to address the CPUC about matters before the Commission must sign up with the Public Advisor's Office table before the meeting begins. If an individual has signed up using the electronic system on the Commission's website, they must check in with the Public Advisor's Office on the day of the meeting, by the sign-up deadline.
- Once called, each speaker has up to 3 minutes at the discretion of the Commission President. Depending on the number of speakers, the time limit may be reduced to 1 minute.
- A sign will be posted when 1 minute remains.
- A bell will ring when time has expired.
- At the end of the Public Comment Section, the Commission President will ask if there are any additional individuals who wish to speak. Individuals who wish to speak but did not sign up by the deadline, will be granted a maximum of one minute to make their comments.

## Public Comment is not permitted on the following items:

- 27.
- All items on the Closed Session Agenda





# Public Comment

- Per Resolution ALJ-252, any member of the public (excluding parties and their representatives) who wishes to address the CPUC about matters before the Commission must sign up with the Public Advisor's Office table before the meeting begins. If an individual has signed up using the electronic system on the Commission's website, they must check in with the Public Advisor's Office on the day of the meeting, by the sign-up deadline.
- Once called, each speaker has up to 2 minutes at the discretion of the Commission President. Depending on the number of speakers, the time limit may be reduced to 1 minute.
- A sign will be posted when 1 minute remains.
- A bell will ring when time has expired.
- At the end of the Public Comment Section, the Commission President will ask if there are any additional individuals who wish to speak. Individuals who wish to speak but did not sign up by the deadline, will be granted a maximum of one minute to make their comments.

## **Public Comment is not permitted on the following items:**

- 27.
- All items on the Closed Session Agenda





# Public Comment

- Per Resolution ALJ-252, any member of the public (excluding parties and their representatives) who wishes to address the CPUC about matters before the Commission must sign up with the Public Advisor's Office table before the meeting begins. If an individual has signed up using the electronic system on the Commission's website, they must check in with the Public Advisor's Office on the day of the meeting, by the sign-up deadline.
- Once called, each speaker has up to 1 minute to address the Commission.
- A bell will ring when time has expired.
- At the end of the Public Comment Section, the Commission President will ask if there are any additional individuals who wish to speak. Individuals who wish to speak but did not sign up by the deadline, will be granted a maximum of one minute to make their comments.

## **Public Comment is not permitted on the following items:**

- 27.
- All items on the Closed Session Agenda





# Public Agenda Changes

Items shown on the Consent Agenda will be taken up and voted on as a group in one of the first items of business of each CPUC meeting.

- Items on Today's Consent Agenda are: 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22.
- Any Commissioner, with consent of the other Commissioners, may request an item from the Regular Agenda be moved to the Consent Agenda prior to the meeting.
- Item 31o. from the Regular Agenda has been added to the Consent Agenda.
- Any Commissioner may request an item be removed from the Consent Agenda for discussion on the Regular Agenda prior to the meeting.
- No Item has been moved to the Regular Agenda.
- No Item has been withdrawn.
- The following items have been held to future Commission Meetings:  
Held to **5/25/17**: 7, 11, 13, 28, 29, 30, 31(Except Sub Item 31o) and 32.





# Regular Agenda

- Each item on the Regular Agenda (and its alternate if any) will be introduced by the assigned Commissioner or CPUC staff and discussed before it is moved for a vote.
- For each agenda item, a summary of the proposed action is included on the agenda; the CPUC's final decision may, however, differ from that proposed.
- The complete text of every Proposed Decision or Draft Resolution is available for download on the CPUC's website: [www.cpuc.ca.gov](http://www.cpuc.ca.gov).
- Late changes to agenda items are available on the Escutia Table.





## Regular Agenda – Energy Orders (continued)

### Item # 25 [15691] – Order Instituting Rulemaking to Consider Revisions to Electric Rule 20 and Related Matters

---

R. \_\_\_\_\_

---

#### **PROPOSED OUTCOME :**

- Institutes a Rulemaking on the Commission's Own Motion to Consider Revisions to Electric Tariff Rule 20 and related matters.

#### **SAFETY CONSIDERATIONS :**

- The scope of the new Rulemaking includes whether additional rules are needed to ensure safe and resilient undergrounding practices.

#### **ESTIMATED COST :**

- There are no costs to open a rulemaking proceeding.





## Regular Agenda – Energy Orders

### Item # 23 [15548] – Pacific Gas and Electric Company’s 2017 General Rate Case Revenue Requirement

---

A15-09-001

Application of Pacific Gas and Electric Company for Authority, Among Other Things, to Increase Rates and Charges for Electric and Gas Service Effective on January 1, 2017.

***Ratesetting***

***Comr Picker - Judge Roscow***

---

#### **PROPOSED OUTCOME :**

- Authorizes Pacific Gas and Electric Company (PG&E) an \$8.002 billion revenue requirement for test year 2017 to operate and maintain its electric and natural gas delivery system.
- Authorizes additional PG&E revenue requirement increases of \$444 million in 2018 and \$361 million in 2019.
- Closes the proceeding.

#### **SAFETY CONSIDERATIONS :**

- Provides the necessary funds for PG&E to maintain, replace, and improve its aging infrastructure, and to operate its utility system in a manner which provides safe and reliable service to its customers.

#### **ESTIMATED COST :**

- An increase of \$85.7 million over present rates, followed by additional increases of \$444 million in 2018 and \$361 million in 2019.





## Regular Agenda – Energy Orders (continued)

### Item # 23a [15636] – PRESIDENT PICKER’S ALTERNATE TO ITEM 15548

A15-09-001

Application of Pacific Gas and Electric Company for Authority, Among Other Things, to Increase Rates and Charges for Electric and Gas Service Effective on January 1, 2017.

***Ratesetting***

***Comr Picker***

---

#### **PROPOSED OUTCOME :**

- Authorizes Pacific Gas and Electric Company (PG&E) an \$8.004 billion revenue requirement for test year 2017 to operate and maintain its electric and natural gas delivery system.
- Authorizes additional PG&E revenue requirement increases of \$444 million in 2018 and \$361 million in 2019.
- Closes the proceeding.

#### **SAFETY CONSIDERATIONS :**

- Provides the necessary funds for PG&E to maintain, replace, and improve its aging infrastructure, and to operate its utility system in a manner which provides safe and reliable service to its customers.

#### **ESTIMATED COST :**

- For 2017, an increase of \$88 million over present rates, followed by additional increases of \$444 million in 2018 and \$361 million in 2019.





## Regular Agenda – Energy Orders (continued)

### Item # 24 [15641] – Proceeding to Increase Access to Affordable Energy to Disadvantaged Communities in the San Joaquin Valley

---

R15-03-010

Order Instituting Rulemaking to Identify Disadvantaged Communities in the San Joaquin Valley and Analyze Economically Feasible Options to Increase Access to Affordable Energy in those Disadvantaged Communities.

**Quasi-Legislative**

**Comr Guzman Aceves - Judge Tsen**

---

#### **PROPOSED OUTCOME :**

- Adopts methodology and definitions to identify disadvantaged communities in the San Joaquin Valley, identifies potential energy options to be considered in Phase II, requires utilities to report on its efforts to engage disadvantaged communities in the San Joaquin Valley, and establishes Phase II.

#### **SAFETY CONSIDERATIONS :**

- Increasing affordable access to energy improves public health and safety.

#### **ESTIMATED COST :**

- Will be identified in Phase II.





## Regular Agenda – Orders Extending Statutory Deadline

### Item # 26 [15703] – Order Extending Statutory Deadline

---

R15-03-011

Order Instituting Rulemaking to consider policy and implementation refinements to the Energy Storage Procurement Framework and Design Program (D.13-10-040, D.14-10-045) and related Action Plan of the California Energy Storage Roadmap.

**Quasi-Legislative**

**Comr Peterman - Judge Cooke**

---

#### **PROPOSED OUTCOME :**

- Extends the statutory deadline for completion of this proceeding until August 10, 2017.

#### **SAFETY CONSIDERATIONS :**

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

#### **ESTIMATED COST :**

- There are no costs associated with this Order Extending Statutory Deadline.





## Regular Agenda – Orders Extending Statutory Deadline (continued)

### Item # 27 [15704] – Order Extending Statutory Deadline

---

I15-11-015

Order Instituting Investigation and Ordering Pacific Gas and Electric Company to Appear and Show Cause Why It Should not be Sanctioned for Violations of Article 8 and Rule 1.1 of the Rules of Practice and Procedure and Public Utilities Code Sections 1701.2 and 1701.3.

**Adjudicatory**

**Comr Picker - Judge Mason**

---

#### **PROPOSED OUTCOME :**

- Extends the statutory deadline for completion of this proceeding until December 29, 2017.

#### **SAFETY CONSIDERATIONS :**

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

#### **ESTIMATED COST :**

- There are no costs associated with this Order Extending Statutory Deadline.





# Commissioners' Reports





# Management Reports





# Regular Agenda – Management Reports and Resolutions

**Item # 33 [15694]**

## **Report and Discussion on Recent Consumer Protection and Safety Activities**

---

---





# 811- One Call



**Sunil Shori**  
**Utilities Engineer**  
**Gas Safety and Reliability Branch**  
**Safety and Enforcement Division**  
**California Public Utilities Commission**  
**May 11, 2017**





# What is 811 – One Call?

- A mandated - nationwide - process for avoiding excavation related damages to subsurface facilities (mainly utilities)
- The process includes facility owners, excavators, facility locators and One-Call Centers
- Process starts with excavators contacting One-Call Centers and providing them with information on intended excavations, such as:
  - *Scope of work and excavation method*
  - *Area where excavations will be performed*
  - *Date when work will start*
  - *Contact information for excavator representative(s), etc.*





# What is One-Call?

- April as National Safe Digging Month recently served as an opportunity to remind everyone that the intent of the **811 - One-Call** process is to prevent:
  - damage to subsurface facilities
  - loss of service, and most importantly
  - injuries or deaths which can result when facilities are struck, or maybe even much later





# What is One-Call?

- California Government Code 4216 (GC 4216) governs and defines the One-Call process.
- GC 4216 requires sub-surface facility owners to be members of their local One-Call Center.
- Entities exempted from GC 4216:
  - Caltrans
  - operators of non-pressurized sewers, drain lines, and storm drains
  - owners of facilities located entirely on their property
- The One-Call process in California is **free** to the excavator.





# What is One-Call?

- Excavators must notify One-Call at least two business days before excavating
- The One-Call Centers convey the notification to members who may have facilities in the work area
- Members must mark the approximate location of subsurface facilities, or confirm area is clear
- Each excavator must take steps to protect subsurface facilities while excavating and report any damages





## Value of One-Call

Nationwide statistics from the Common Ground Alliance indicate that when a locate request is made prior to an underground excavation, 99% of the time no damages will occur.

***THIS MEANS LESS THAN 1% OF EXCAVATIONS CAUSE DAMAGES IN INSTANCES WHERE EXCAVATORS SIMPLY PROVIDE PROPER NOTICE TO ONE-CALL BEFORE EXCAVATING!***





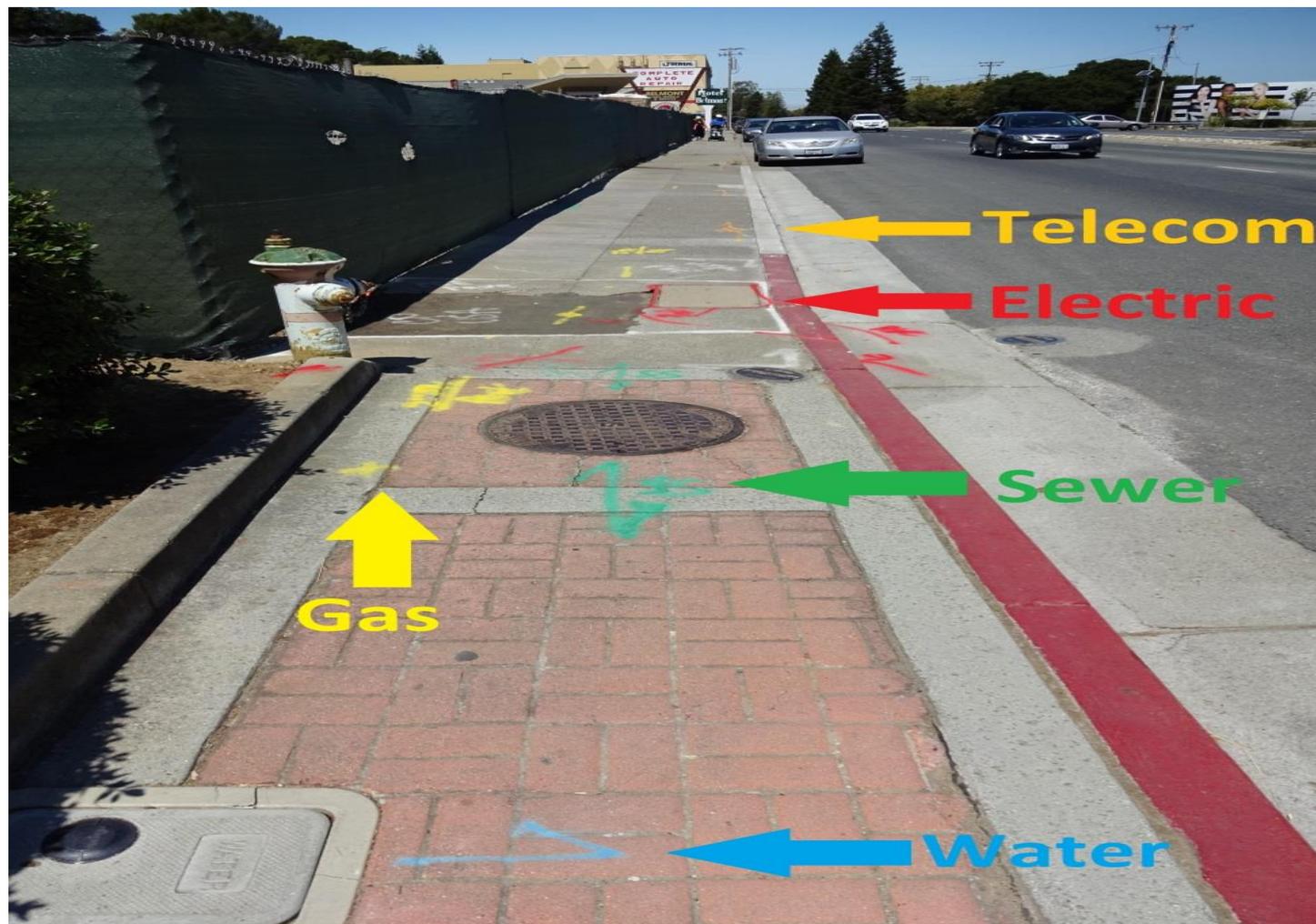
# Relationship between One-Call and 811

- There are two One-Call Centers in California:
  - **Underground Service Alert (USA North)** covers northern California (Oregon Border down to Kern and San Luis Obispo counties)
  - **Dig Alert** covers Los Angeles, Santa Barbara, Inyo and San Bernardino counties south to the Mexican Border.
- Each One-Call Center can receive notifications through its own 800 phone number; the **811** nationwide number system which automatically routes calls to the correct center; as well as, electronic ticket notification.
- Each One-Call Center is funded by its membership.





# Standard Color Markings for USA Locates





# Consequences of Improper Practices

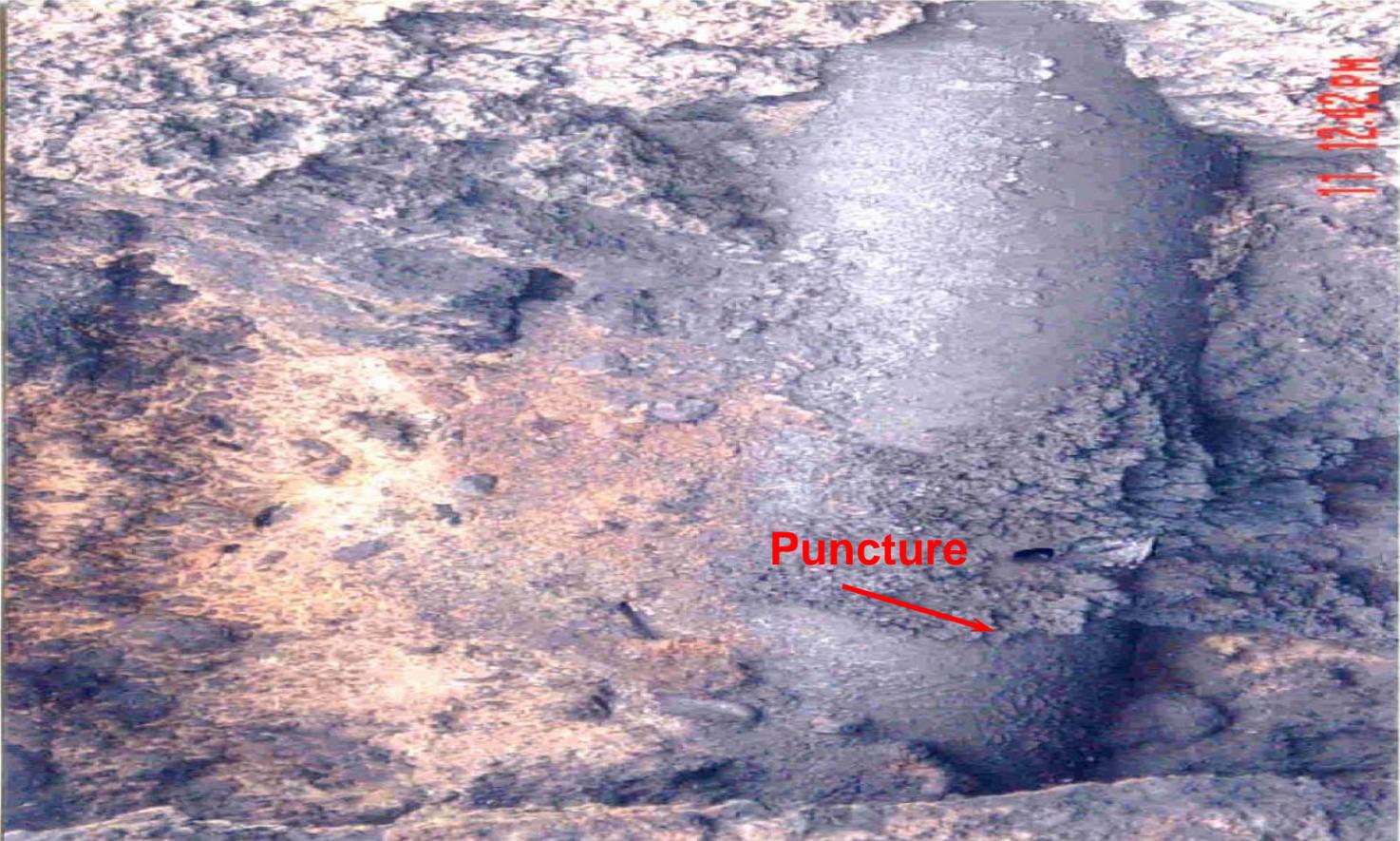


Near Madera – 8-inch Gas Line  
August 2003





# Consequences of Improper Practices



Walnut Creek - Kinder Morgan LS 16 pipeline with through-wall puncture – November 2004.

Photo Courtesy of CalOSHA





# Consequences of Improper Practices



Fresno 2015





# Consequences of Improper Practices



Photo – Merced Sun-Star

Merced - May 24, 2016

Damage at Martin Luther King Jr. Way and 16<sup>th</sup> Street





# Enforcement of Government Code Section 4216 (California's One-Call Law)

- Entities that have historically had enforcement authority against violators of GC 4216 include:
  - local permitting agencies,
  - district attorneys, or
  - California's Attorney General.
- Unfortunately, these agencies have historically allocated their resources to other investigations or priorities instead of GC 4216
- As a result, enforcement of GC 4216 has essentially been non-existent





# Enforcement of Government Code Section 4216 (California's One-Call Law)

- In late 2016, Governor Brown signed Senate Bill 661, which:
  - Adds new sections, and modifies existing ones, in GC 4216
  - Creates and empowers a nine member California Underground Facilities Safe Excavation Board (Board), assisted by the Office of the State Fire Marshall and funded by the Safe Energy Infrastructure and Excavation Fund (SEIEF), to enforce GC 4216 requirements, develop standards, coordinate education and outreach activities, investigate possible violations of GC 4216
  - Allows the Board to make recommendations for graduated enforcement actions to agencies overseeing the offender's activities





# Enforcement of Government Code Section 4216 (California's One-Call Law)

- CPUC oversees many of the subsurface utility facilities in California including natural and propane gas, electric, communications, and investor owned water and sewer
- Because gas pipelines are frequently struck and present high risk of injuries/damages, CPUC staff has long been active on various state and industry committees working to find ways to improve excavation practices and laws
- Recent changes to GC 4216 will not alter the CPUC's ability to continue investigating reportable incidents submitted by its jurisdictional utilities, nor its ability to take enforcement actions against these entities





## In Summary

- **811 – One Call** is an industry-wide process which works to prevent:
  - damage to subsurface facilities
  - loss of service, and most importantly
  - injuries or deaths which can result when facilities are struck or damaged
- Recent changes to GC 4216, which establish and empower an enforcement body to address GC 4216 violations, should help reduce future damages to subsurface utility facilities





# Regular Agenda – Management Reports and Resolutions

**Item # 33 [15694]**

## Report and Discussion on Recent Consumer Protection and Safety Activities

---

---





# Management Reports





# **The CPUC Thanks You For Attending Today's Meeting**

**The Public Meeting is adjourned.  
The next Public Meeting will be:**

**May 25, 2017 at 9:30 a.m.  
in San Francisco, CA**

