

# Gold Shovel Standard Program

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# PG&E's Dig-in Reduction Efforts

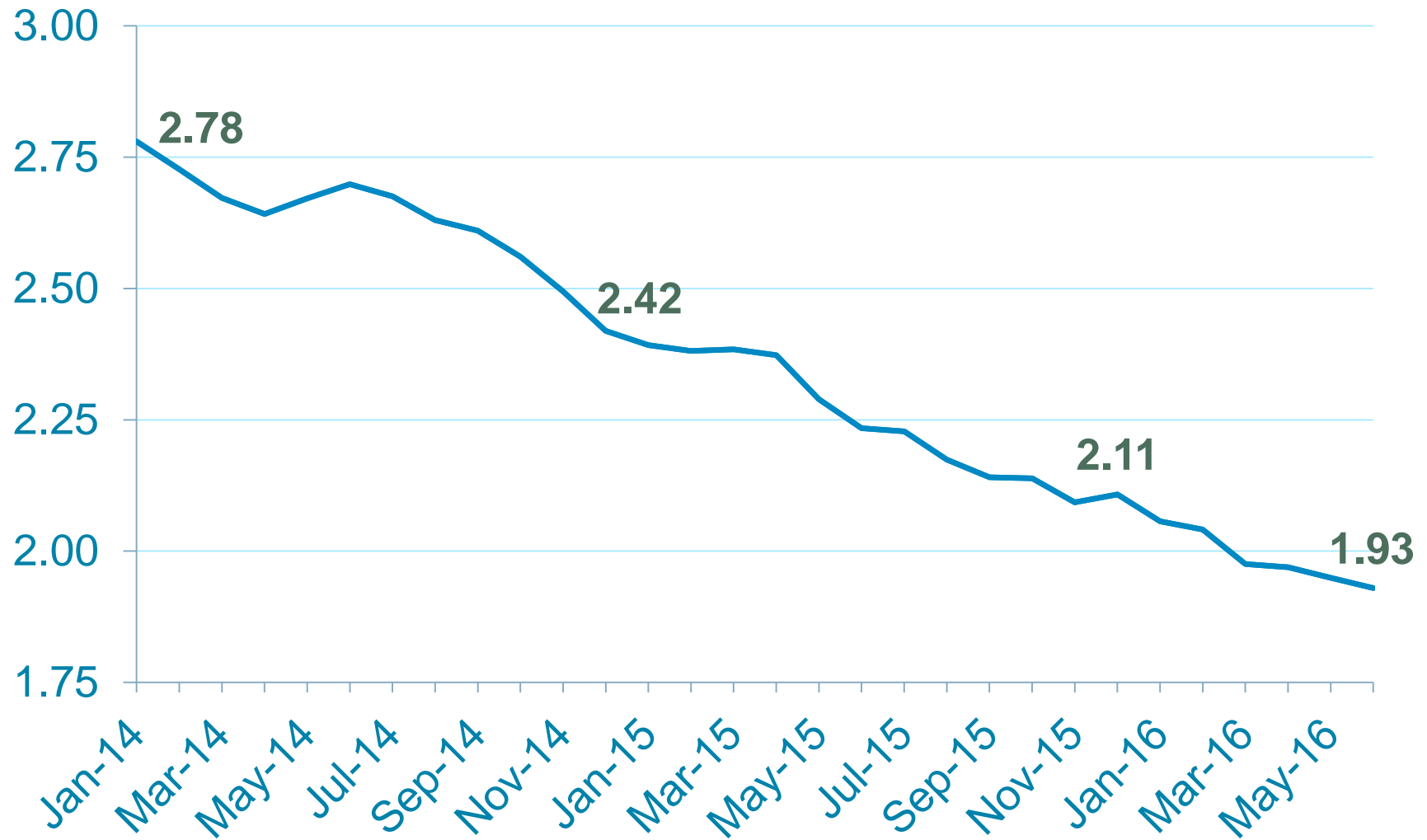
- California's one call climate
- PG&E's recent results
- Gold Shovel Standard
- 811 Ambassador Program
- Other efforts





# PG&E's Recent Results

## 3rd Party Gas Dig-In Safety Goal Ratio 12-Month Rolling Averages: Jan 2014 - Jun 2016





# PG&E's Gold Shovel Standard Program

- **First-of-its-kind excavation safety initiative**
- **Contractors take accountability for their safe digging practices.**
- **Encourages compliance with California's One Call Law (California Government Code 4216)**
- **Encourages Common Ground Alliance's excavation best practices**
- **Effective January 2016, PG&E only hires excavators who are Gold Shovel certified**



# PG&E's Gold Shovel Standard Program: Impact

- 36% reduction in 2<sup>nd</sup> party damages
- Certified 211 contractors
- Strengthened relationships with contractors





# Comparison: Safety Ratings

- 10 years ago a good safety rating was not necessary to get work
- Today, a good safety rating is absolutely necessary to get work
- Today, there is no metric which identifies how carefully a company operates around buried infrastructure (gap in our information)
- 10 years from now, a company will need a great excavation safety metric to get work



# 450+ Contractors and



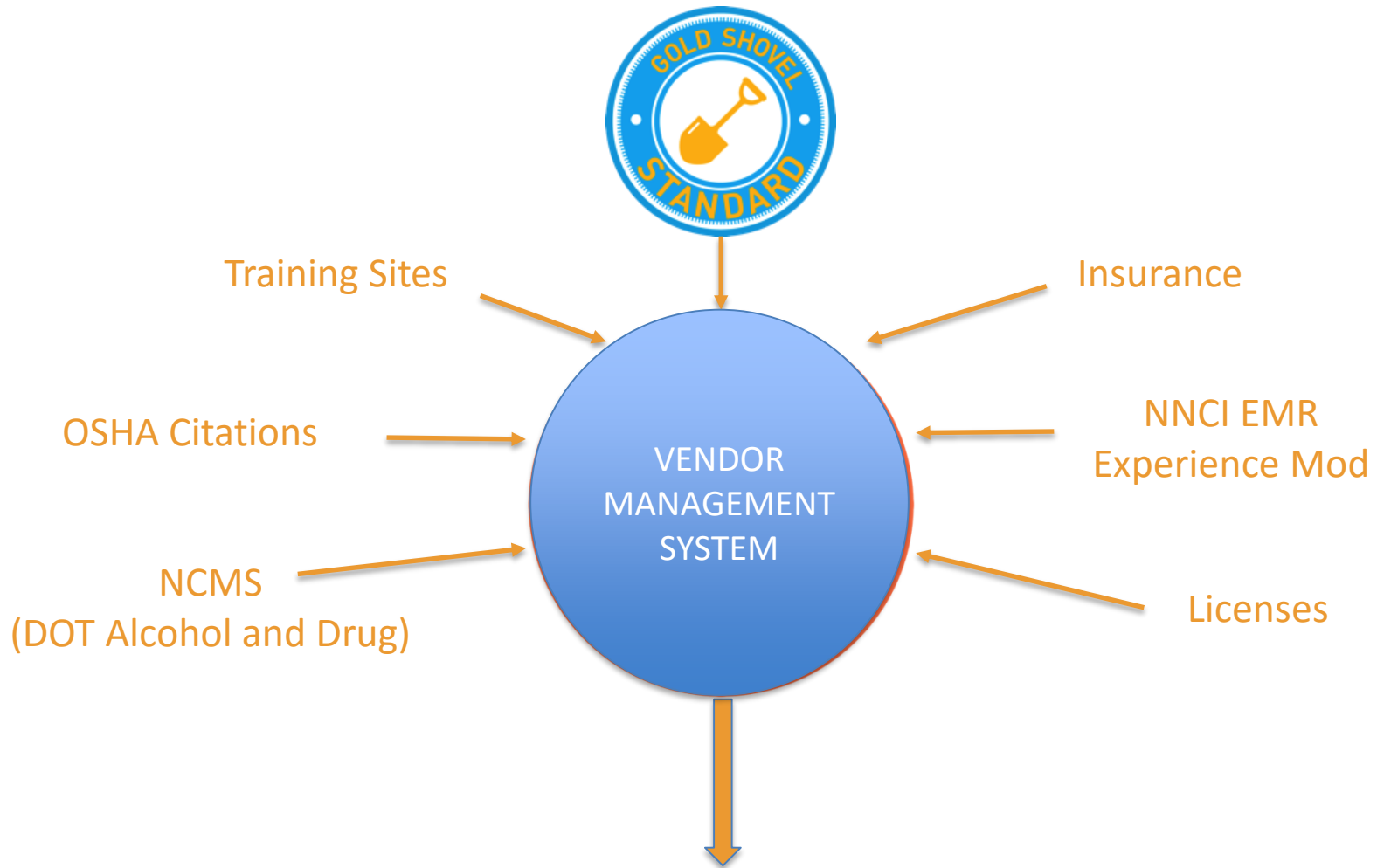
**Dominion**<sup>®</sup>  
It all starts here.<sup>®</sup>



*Pacific Gas and  
Electric Company*<sup>®</sup>



# Supplements Contractor Mgmt



Hiring Company





# 2-Part Program



CERTIFICATION

+

EICO™ SCORE OR RATING

9



# Certification

ISO 9001 – Audited to have adequate quality systems

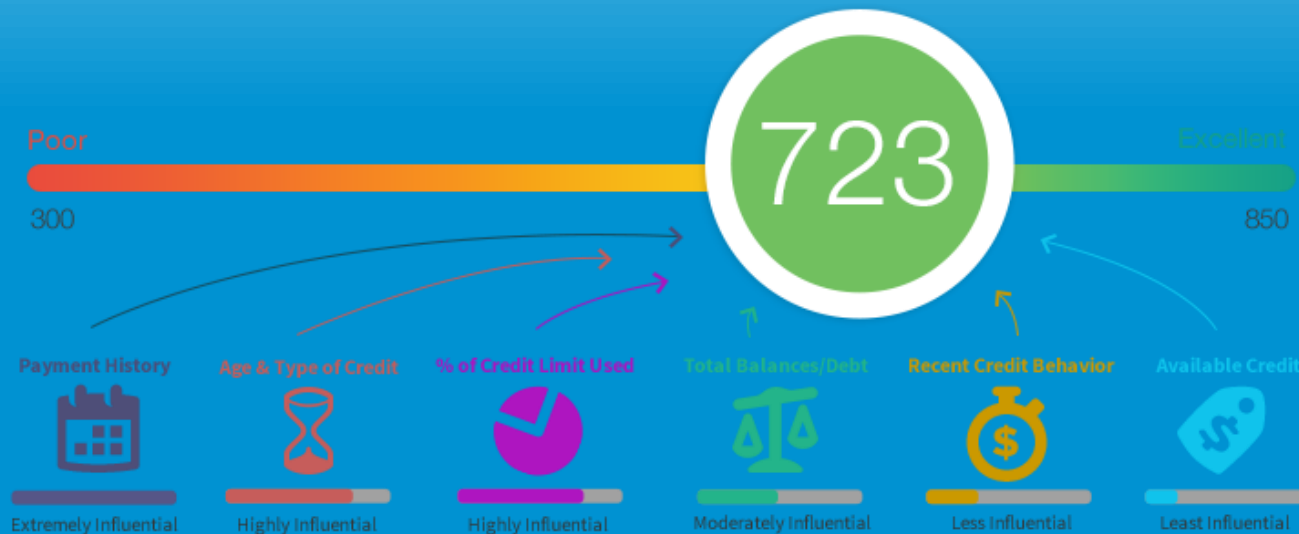
GSS – Audited to have adequate dig-in prevention plan





# EICO™ Score or Rating

- FICO – Measurement of credit worthiness
- EICO – Measurement of how carefully a company excavates around buried infrastructure



TRANSPARENT      FAIR      CONSISTENT



# Member Recap

- Adds new capabilities
  - First-of-its-kind measurement of excavation safety
  - Evaluate vendor performance across networks
  - Evaluate vendor performance across geographies
  - Gain influence over vendors working for others (3<sup>rd</sup> parties)
- Minimal cost
- Minimal burden on excavators
- Ambitious and novel strategy for reducing damages
- Early adopters get recognition as visionary leaders



# 811 Ambassador Program

- **Education:** Promote awareness and education of “811 Call Before You Dig,” and develop ability to recognize key indicators of unsafe excavation
- **Empowerment:** Equip 23,000 PG&E employees and contractors to take corrective action against unsafe excavation





# 811 Ambassador Program

## Process

1. Employee observes excavation without markings
2. Location reported to 24/7 Damage Prevention Hotline
3. DiRT Investigator dispatched to determine USA ticket status
4. If necessary, job stopped and contractor educated
5. Feedback/incentive given to caller







# 811 Ambassador Program

- Energize 22,000 employees and contractors
  - Focused on employee and public safety
  - Work in our local communities
  - Best source of information
- In 2015:
  - **53** potentially unsafe excavations reported
  - **39** Excavations had No USA
  - **7** occurred near gas transmission
- In 2016:
  - Average 50 per month
  - 90% have no USA ticket

**Make excavation safety a priority every day**



**Plan a safe digging project**

1. **Call 811** at least two business days before starting your project. You will need: Location of job site, start date and type of digging. USA North will provide you with a ticket number. USA tickets are valid for 28 calendar days.
2. **Mark your work area:** Identify the location you plan to dig by using white marking product/flags or whiskers.
3. **Get marked:** PG&E and other utilities use color-coded utility flags and other markers to mark underground lines. Please wait until all utilities have marked their lines. Leave markers in place until you've finished digging.
4. **Dig safely:** Use hand tools within 24 inches of the marked line to expose the underground facility.

Learn more at [pge.com/digsafely](http://pge.com/digsafely)

**What to look for on the work site**

Report unsafe work sites. Call PG&E 24-hour Damage Prevention Hotline at 825-328-8840.

When you see an active digging project, look for markings:

- A delineated area outlined in white paint—Anyone planning to dig must outline the proposed work areas using white marking products before calling 811.
- Any colored utility markings such as flags or paint (e.g., yellow for gas; red for electrical lines).

American Public Works Association Color Code

PROPOSED EXCAVATION
ELECTRIC, POWER LINES
CABLE, COMMUNICATION
RECLAIMED WATER
TEMPORARY SURVEY MARKING
GAS, OIL, STEAM, CHEMICAL
SEWER, STORM DRAIN
POTABLE WATER





# Other Activities

## Division “Blitz’s”

- Outreach to cities
- Fliers in equipment rental businesses
- Safe Digging Classes





# QUESTIONS?

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