

THE PG&E EMPLOYEE NEWSLETTER 1.2017

Finding Solutions to Global Climate Change

Higginbotham measures precious water supply in snowpack in the Sierra Nevadas to prepare for hot Summer months ahead. Our goal is to improve how we manage our hydro resources in a changing climate, Pages 1-2

FEATURED INSIDE

PG&E Leadership

Pages 3 & 4 >

Page 5 >

Page 7 >

Geisha Williams Elected CEO and

President of PG&E Corporation

Increase Awareness

Focus on Safety

PG&E joins "Utilities United Against

Scams" to help protect customers

As temperatures dip PG&E offers

safety tips for you and your home

PG&E Hydrographer Grant

Partnering to Build Climate Resilience

BY TIM FITZPATRICK

AS WE HEAD into a new year, a look back at 2016 confirms familiar and troubling trends: a warming planet, more extreme weather events and rising sea levels.

Look no further than the Sierra Nevada mountains. The U.S. Forest Service recently estimated that more than 102 million trees have died in California since 2010, many of them in the Sierra, where persistent drought and bark beetles have combined to create hazardous fire conditions that threaten communities as well as infrastructure.

PG&E conducted regular aerial patrols this summer to spot fires before they could

spread—just one of the many ways we're working together to build resilience to a changing climate.

Our broader actions and approach were detailed recently in PG&E's Climate Change Vulnerability Assessment and Resilience Strategies report, developed as part of our participation in the U.S. Department of Energy's Partnership for Energy Sector Climate Resilience.

The report chronicles the progress we're making to understand climate risks across our Northern and Central California service

(Continued on page 2)

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(Continued from page 1)

area. It also features actions we're taking today to embed climate resilience in our operations and energy infrastructure—and support the communities we serve.

For example: PG&E has teamed with U.C. Berkeley and the California Department of Water Resources to help address how drought conditions are impacting our hydroelectric operations. We're installing equipment to better understand soil moisture, precipitation patterns and other factors in the Bucks Lake area, northeast of Oroville. Our goal is to improve how we manage our hydro resources in a changing climate, enabling us to meet energy needs while benefiting downstream communities and wildlife that depend on the water.

We also understand the urgency of taking action locally, which is why we're offering the Better Together Resilient Communities grant program. Beginning in 2017, the fiveyear initiative aims to support local planning and preparedness by investing \$1 million of shareholder funds—or \$200,000 each year to strengthen the resilience of our cities and counties.

PG&E has teamed with U.C. Berkeley and the California Department of Water Resources to help address how drought conditions are

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THE PG&E EMPLOYEE NEWSLETTER

RETIREE EDITION

impacting hydroelectric operations. As we do this work, we remain focused on understanding the longer-term impacts of climate change on our business. The report details the progress we're making on our multiyear initiative to assess risks to our infrastructure from various natural hazards, including flooding, sea level rise, land subsidence and heat storms.

It also explains how we're working to strengthen our governance, further linking our collective efforts to stay abreast of the science and climate risks, build emergency preparedness and response, and engage with experts and stakeholders in this evolving area

That will include seeking the perspective of leaders such as Dr. Jonathan Foley, who recently ioined our external

> PG&E has teamed with U.C. Berkelev and the California Department of Water Resources to help address how drought conditions are impacting hydroelectric operations.



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Questions? Comments? Story ideas? Email us: OnePGE@pge.com

Sustainability Advisory Council and serves as executive director of the California Academy of Sciences.

The solutions to the resilience challenge will come from working together-with scientists and researchers, customers and communities, agencies and policymakers -to combat climate change and prepare to withstand and rapidly recover from its effects.

Tim Fitzpatrick is PG&E's vice president of corporate relations and chief communications

Retirements

Satenik Ambarian 37 years of service

Randy Auble 37 years of service

Frank Avila 32 years of service

Romuel Borja 40 years of service

Keith Boydstun 28 years of service

Jacqueline Burns 42 years of service

Richard Burrus 33 years of service

Robert Carretta 6 years of service Richard Cortez 25 years of service Richard Erickson

Stephen Ferguson 26 years of service

Thomas Flowers

Freeman Fuller

44 years of service

41 years of service

Theodore Gallegos

38 years of service

38 years of service

26 years of service

Adriana Gomez

Susan Gaw

32 years of service

Mark Horn 32 years of service

> Eric Hsu 29 years of service

Antonio Gonzalez

Daniel Hart

13 years of service

39 years of service

33 years of service

Scott Hodgson

John Kain 5 years of service

John Littlewood 36 years of service

Mark Mancini 32 years of service Hermelinda Oceguera Gonzalez 32 years of service

Joe Ontiveros 44 years of servce

Mark Perry 30 years of service

Roger Petersen 35 years of service

Betty Phillips 36 years of service

Stephen Prato 35 years of service

Terry Rios 15 years of service Sandra Robinson 31 years of service

Karen Roth 35 years of service

Anthony Stanton 46 years of service

Bruce Stienstra 43 years of service

Dean Sutton 22 years of service

Noel Tamayo 41 years of service

James White 28 years of service

Jeffrey Wolford 32 years of service

Take Control of Your Energy Bills this Winter with PG&E's Energy Alerts

Residential customers have a new way to take control of their energy bills. PG&E's Energy Alerts help customers better manage their energy usage and budgets.

"Our customers asked for a solution to help them budget for their energy needs and we listened. The Energy Alerts program is designed to be an easy-to-use tool that lets customers stay on top of their energy use in any given month," said Laurie Giammona, chief customer officer of PG&E Corporation.

Sign up for PG&E's Energy Alerts in less than five minutes:

- Go to pge.com/energyalerts.
- Set your personal budget threshold to get an alert when your bill is forecast to exceed your threshold.
- Choose to receive your energy alerts via email, text or phone call.

Try these ideas to help you stay warm and safe this winter:

- Get started with an online account: Sign up to access Your Account at pge.com to stay on top of your energy usage and choose rate plan options that work best for you and your family. Contact our dedicated rates hotline at 1-800-743-0514 with questions.
- Find ways to make your home more efficient: Take a free online Home Energy Checkup. Answer some questions about your home and learn how much you spend on heating, cooling, hot water and more. Get customized tips to make your home more efficient and cut back on energy costs.
- Shop for money saving products: PG&E Marketplace is a one stop shop for energy saving appliances and consumer electronics, plus rebates. Customers can receive rebates up to \$500 on electric water heaters and \$200 on gas water heaters.
- Save energy and money with solar water heating: PG&E rebates and federal tax credits make solar water heating a good option to reduce your water heating bill by up to 80 percent and help the environment.

For more tips on saving energy this winter, visit www.pge.com/winter.





Tony Earley will serve as executive chair of the PG&E Corporation Board of Directors.

Williams Elected CEO and President of PG&E Corporation, Part of Leadership Succession Plan

Nick Stavropoulo

was elected to ser

chief operating office

as president and

of PG&E.

ON NOV. 14, as part of a leadership succession plan, the Board of Directors of PG&E Corporation elected Geisha Williams, 55, as Chief Executive Officer and President of PG&E Corporation. Williams is currently President, Electric of Pacific Gas and Electric Company, PG&E Corporation's utility subsidiary.

Tony Earley, Jr., 67, currently Chairman, CEO and President of PG&E Corporation, was elected to serve as Executive Chair of the PG&E Corporation Board of Directors.

In addition, Nickolas ("Nick") Stavropoulos, 58, currently President, Gas of Pacific Gas and Electric Company, was elected to serve as President and Chief Operating Officer of Pacific Gas and Electric Company.

The new roles are effective March 1, 2017. The currently separate roles of president for the gas and electric businesses are being consolidated into the single utility president role that will be held by Stavropoulos.

"Tony Earley has been a strong hand at the helm over the past five years and his deep industry experience has been invaluable to us as he guided PG&E to the goal of becoming a top industry performer. Under his leadership, PG&E implemented an integrated, riskbased planning process that provided a road map for making PG&E a safer, stronger energy company through a robust capital investment program, widespread process improvements and by instilling a strong safety culture. Tony also invested in PG&E's human capital, attracting strong leaders to join and stay with PG&E and mentoring Geisha Williams and Nick Stavropoulos. Geisha and Nick are both exceptionally talented executives and we are pleased that they will carry on the work that Tony advanced so successfully," said Barry Lawson Williams, independent lead director of the PG&E Corporation Board.

Earley said, "I am very pleased with the decisions of the Boards of Directors to move forward with this planned succession. Geisha has demonstrated the performance and strategic vision to lead this organization into the future. She has a long track record of success with PG&E and in the industry. Under her leadership, PG&E has driven record-setting improvements in electric reliability year-over-year by transforming our electric grid with smart technology and by implementing an industry leading emergency response capability. As a result of these investments. Geisha's team restored power with record speed when an earthquake hit Napa in 2014. Geisha also understands the enormous changes that will be affecting our industry in the years ahead and has a vision for navigating these changes successfully. Nick, who will serve as President and COO of the utility, has successfully led a multi-billion-dollar

investment in the safety of our gas system and strengthened PG&E's safety culture, the success of which has earned the utility international recognition. Geisha and Nick both have the vision, operational focus and commitment to collaboration that will serve our customers, communities, employees and shareholders well. Above all, they have a shared and unequivocal commitment to the safety of the public and our employees and contractors."

Ms. Williams said, "I am honored to have the opportunity to lead the extraordinary 23,000 employees of PG&E and to support their efforts to safely serve 16 million Californians. We are in a period of tremendous and accelerating change in our industry, driven by technology, competitive forces and public policy objectives around clean energy. We are well positioned for these changes and well positioned for growth with substantial infrastructure investments focused on continuing to enhance the safety and reliability of our system while enabling California's clean energy economy."

Stavropoulos said, "We set out five years ago to become the safest and most reliable energy company in America and we have made incredible progress toward that goal. When it comes to safety, the job is never done. I am absolutely committed to continuing this journey and to supporting the efforts of PG&E's team members while

(Continued from page 4)

achieving new levels of operational excellence and efficiency across the organization in order to provide safe, reliable, affordable and clean energy to our customers."

Earley joined PG&E Corporation in September 2011 after 17 years with DTE Energy. When he left DTE, he was serving as Executive Chairman. He had previously served as Chairman, CEO and President of DTE. Prior to joining DTE Energy, Earley served in various capacities at Long Island Lighting Company, including President and Chief Operating Officer. Previously, he was a partner at the Hunton & Williams law firm. In Earley's new capacity as Executive Chair of the Board of PG&E Corporation, he will continue as an employee of the company, providing counsel to senior management and supporting the leadership transition in addition to continuing to serve on the Board.

Ms. Williams joined Pacific Gas and Electric Company in 2007 and was named Executive Vice President, Electric Operations in 2011. She was named President, Electric and a member of Pacific Gas and Electric Company's Board in 2015. In addition to her previous responsibilities for all non-nuclear electric operations, Williams took on additional responsibility for the enterprise-wide Customer Care organization and the Diablo Canyon nuclear power plant when she was named President, Electric.

Before joining Pacific Gas and Electric Company, she held officer-level positions leading electric distribution, as well as a variety of positions of increasing responsibility in customer service, marketing, external affairs and electric operations at Florida Power and Light Company, the thirdlargest electric utility in the United States, serving more than 4.8 million customer accounts or more than 10 million people across nearly half of the state of Florida.

Williams holds a bachelor's degree in engineering from the University of Miami and a master's degree in business administration from Nova Southeastern University. A trustee of the California Academy of Sciences, Williams also serves as the board chair for the Center for Energy and Workforce Development, and as a director at the Edison Electric Institute, the Institute of Nuclear Power Operations and the Association of Edison Illuminating Companies. In addition, she is active in Executive Women in Energy and the University of Miami President's Council.

Stavropoulos joined Pacific Gas and Electric Company in 2011 as Executive Vice President, Gas Operations. He was named President, Gas and a member of Pacific Gas and Electric Company's Board in 2015, at which time, in addition to his previous responsibility for gas operations, he took on responsibility for enterprisewide Information Technology, physical and cyber-security, safety, health and environmental, supply chain, and the transportation and real estate organizations. Before joining Pacific Gas and Electric Company, Stavropoulos was Executive Vice President and Chief Operating Officer of U.S. Gas Distribution for National Grid, an electricity and natural gas delivery company serving nearly 7 million customers in the northeast United States. Earlier, Stavropoulos was President of KeySpan Energy Delivery and held a number of other leadership roles with KeySpan's predecessor companies, Colonial Gas and Boston Gas.

Stavropoulos holds a bachelor of science degree in accounting from Bentley College and an MBA from Babson College. He serves on the board of Bentley University and has served on numerous public and notfor-profit boards.

Retiree Activities

Fresno Chapter

Jan. 5 and Feb. 2 11 a.m. social; noon lunch Pardini's Restaurant 2257 W. Shaw. Ave., Fresno Annavee Beshears 559-435-8207 cell, 559-476-0359 annavee1702@comcast.net Linda Morita, 559-974-7303

Retiree Contacts

PG&E Outage Hotline 800-743-5002

PG&E Customer Service 800-743-5000

PG&E Pension Payroll 415-973-3767

Pacific Service Credit Union 888-858-6878

Pacific Service Employees Association 800-272-7732

PG&E Retirement Award Customer Service 800-385-3139 San Joaquin Power Employees Credit Union 800-637-5993

Web: https://myportal.pge.com

HR and Benefits questions:

800-700-0057

HRBenefitsQuestions@ exchange.pge.com

Mail: 1850 Gateway Blvd., 7th floor Concord, CA 94520



PG&E is joining utilities throughout North America to make customers aware of telephone, mail, email and door-to-door or in-person scams that involve criminals posing as utility company representatives and demanding immediate payment or personal information.

The "Utilities United Against Scams" collaboration designated Nov. 16 as "Utilities United Against Scams Day." This day was supported by a weeklong campaign with information focused on exposing the tricks scammers use to steal from customers, and how customers can protect themselves.

PG&E received more than 2,400 scam reports in 2016.

"The safety and security of our customers is the foundation of how we operate, so it's heartbreaking when you hear about people being affected by these types of scams," said Deb Affonsa, vice president, Customer Care. "Awareness is a key part of stopping this type of crime and we are working hard to continue getting the word out to our customers."

The North America-wide collaborative encourages the public to share these messages to help guard against scam activity.

Scammers continue to employ increasingly more sophisticated tactics to exploit customers. PG&E continues to work with law enforcement agencies that are conducting investigations as well as supporting ongoing efforts to help educate customers about scams.

PG&E Joins North American Utilities to Increase Awareness of Scams

BY RICK MEDEFESSER



Scam red flags and how to protect yourself

A scammer tells the customer his or her account is past due and service will be disconnected if payment isn't made through a prepaid cash card—usually within an hour.

- PG&E never requires a customer to purchase a prepaid debit card to avoid disconnection. Customers behind on their bill receive multiple advance disconnection notifications—never a single notification one hour before disconnection. Customers can make payments online, by phone, automatic bank draft, mail or in person.
- Hang up on suspicious calls. Contact local police on their nonemergency number and then call PG&E.
- Never dial phone numbers scammers provide or assume caller ID is accurate. Scammers use sophisticated systems where they can mimic caller ID that appears to be PG&E's number.

An in-person scammer wears a hard hat, an orange vest and holds a clipboard and asks to see your utility bill or to be let inside your home.

- If someone is at your door claiming to represent PG&E and is unwilling to show their ID or is otherwise making you uncomfortable, don't let them in and call local law enforcement immediately. PG&E employees carry identification and are always willing to show it to you.
- Expect to receive an automated call from PG&E 48 hours before a scheduled visit. You may also receive a personal call from a PG&E gas service representative before a scheduled visit. You can also call PG&E to verify an appointment.

A scammer sends an email that demands immediate payment, asks for financial information or contains suspicious links.

• Beware of emails requesting your personal information. Never click on suspicious links or open attachments that demand immediate payment or financial information.

Customers who suspect or experience fraud, or feel threatened during contact with one of these scammers, should contact local authorities and then PG&E at 1-800-743-5000. For more information, visit www.pge.com.

Tips on Safely Heating Your Home as Temperatures Dip

BY MAYRA TOSTADO

With temperatures dropping in Northern and Central California, PG&E urges customers to be cautious when heating their homes.

Electric heating devices, such as space heaters, are a home fire hazard when not properly used or monitored. Fuel-burning appliances, such as gas furnaces, stoves and water heaters, can increase the risk of carbon monoxide, a toxic gas, when they are not working properly.

"We want our customers to be warm this winter, but most importantly we want them to be safe," said Jake Zigelman, director of local customer experience at PG&E. "Space heaters should only be used as a supplemental source of heat. They are not intended to replace the home's central heating system and, when not used properly, can create serious safety hazards."

According to the National Fire Protection Association, heating equipment is the second leading cause of home fires in the United States and from 2009 to 2013, accounted for 56,000 structure fires per year. Nearly half of these fires occur from December through February. The leading contributing factor to space heater fires is heating equipment too close to objects that can burn, such as furniture, clothing, mattresses or bedding.

PG&E urges customers to focus on safely heating their homes as temperatures dip and offers the following tips:

- Place space heaters on level, hard, nonflammable surfaces, not on rugs or carpets.
- Don't put objects on space heaters or use them to dry clothes or shoes.
- Turn off space heaters when leaving the room or going to sleep.
- Keep all flammable materials at least three feet away from heating sources and supervise children when a space heater or fireplace is being used.
- Never use cooking devices such as ovens or stoves for home heating purposes.
- Install carbon monoxide detectors to warn you if concentration levels are high. As of 2011, all California single-family homes are required to have carbon monoxide detectors. Make sure they are installed near sleeping areas and replace the batteries at least twice a year.
- When using the fireplace to stay warm, make sure the flue is open so that the byproducts of combustion can vent safely through the chimney.
- Never use products inside the home that generate dangerous levels of Carbon monoxide, such as generators, barbecues, propane heaters and charcoal.

If customers suspect there is a problem with a natural gas appliance inside their home, they should call PG&E at 1-800-743-5000. A gas service representative will be dispatched to do a thorough inspection. If you detect carbon monoxide in your home, you should get out immediately and call 911.

Heat Safely in Cold Weather



Keep all flammable materials at least three feet away from heating sources and supervise children when a space heater or fireplace is being used.

Install carbon monoxide detectors near sleeping areas and replace the batteries at least twice a year.



When using the fireplace to stay warm, **make sure the flue is open** so that the byproducts of combustion can vent safely through the chimney.

Tributes

Gary Aasland 11/16/2016; Ret. 8/1/2008 Maintenance & Construction Electric Construction, Area 1

Araceli Betines 10/27/2016; Ret. 5/1/1988 Law; General Office

Jack Biggs 11/16/2016; Ret. 9/1/2008 Colgage

Arthur Black 11/6/2016; Ret. 8/1/2004 Power Generation Southern Area Hydro

Graham Brotherson 11/7/2016; Ret. 6/1/1984 Civil Engineering General Office

Ronald Brown 10/19/2016; Ret. 3/1/2002 Customer Service

Jame Carolan 10/26/2016; Ret. 1/1/1995 Electric Construction San Francisco

William Chase 8/4/16; Active Power Generation

Darlene Cinnamon 11/13/2016; Ret. 7/1/1978

Karen Cochran 11/7/16; Ret. 4/1/2008 Electric Distribution

Daniel Corchero 11/20/2016; Ret. 4/1/1987 Service Planning Mission Trail DeAnza Division

Kenneth Dorking 11/19/2016; Ret. 8/1/1984 Fuels & Liquid Natural Gas General Office

Ronald Dunford 6/29/16; Disability IT & OC Information Infrastructure

Donald G. Eppinette 11/26/2016; Ret. 5/1/1994 Transmission Systems Power System Construction

Leonard Forfang 11/3/2016; Ret. 8/1/2001 Electric System Operation General Office Wayne Freitas 11/7/2016; Ret. 11/1/1993 G & E Operations San Jose Division

Jerry Gee 11/27/2016; Ret. 11/1/1992 East Bay

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Delmar Goodman 11/15/2016; Ret. 2/1/1983 District Marketing Stockton

Jerald E. Graham 11/6/2016; Ret. 4/1/1987 Corporate Communications General Office

William Haile 2/12/16; Ret. 2/1/87 Marketing; Kern

Errol Hall 10/24/2016; Ret. 12/1/2003 Service North Valley

Hugh Peter Hansen 10/26/2016; Ret. 11/1/1993 Gas Operations Sacramento

George Harrington 10/10/2016; Ret. 2/1/2014 Maintenance & Construction Gas; San Francisco

Elinore G. Hinkson 11/24/2016; Ret. 5/1/1977 Solano District Sacramento

Thomas M. James 10/12/2016; Ret. 2/1/2016 Asset Performance

Eldridge Jones 11/14/2016; Ret. 8/1/1995 Customer Service East Bay/Central

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Creswell Morris 10/18/2016; Ret. 1/1/1995 Budget General Office

Roy Newlove 11/1/2016; Ret. 10/1/2014 PIO Fitter; Gas Maintenance & Construction

William Nichols 11/2/2016; Ret. 10/1/1979 Comptroller General Office

John C. Osmond 11/17/2016; Ret. 7/1/1983 Vice President Natural Gas Corp. of CA

Adrian R. Ownby 11/22/2016; Ret. 1/1/1995 Power Steam Generation

Robert M. Radle 11/15/2016; Ret. 4/1/1988 Transportation Sacramento Valley - Shasta

Jere Ribble 11/2/2016; Ret. 5/1/2008 San Francisco

Fred Rodriguez 11/26/2016; Ret. 12/1/1988 Division. Manager. Office Fresno

Dagoberto Romero 10/11/2016; Ret. 3/1/2006 Substation Engineering Distribution & Transmission Electric Francis Saxxenmeier 11/7/2016; Ret. 2/1/1993 San Francisco

Richard Schwoerer 10/28/2016; Ret. 4/1/1987 Hydro Electric Production San Joaquin Valley Region

Diana Sheridan 11/8/2016; Ret. 1/1/1998 Nuclear Tech Services ES/NTS

William L. Shultz 10/18/2016; Ret. 7/1/1986 Line, Gas Construction Line

Margaret Sommer-Reid 10/23/2016; Ret. 3/1/2013 Gas & Electric Operations Central Division

Robert Steele 11/19/2016; Active Maintenance & Construction

Egon Stein 11/2/2016; Ret. 4/1/1998 Shasta Division

Nikolai S. Vasilieff 10/7/2016; Ret. 8/1/1990 Gas & Electric Operations North Bay

Katharine Whitney 10/26/2016; Ret. 3/1/1982 Customer Service North Bay

Roy Williams 11/28/2016; Ret. 1/1/1995 Fleet Service

Bobby Willis 10/20/2016; Ret. 11/1/1993 Electric T & D Mission