Kahikina K. Burgess

kahikina.burgess@hawaiianelectric.com ♦ 808-218-3042 ♦ Honolulu, HI

Supervising Resilience Strategist – Hawaiian Electric Company Honolulu, HI

November 2022 – Present

- Managing a team of resilience strategists in developing Hawaiian Electric's transmission and distribution resilience strategies, work plans, and standards
- Initiate major grid investments to enhance transmission and distribution system resilience
- Engage stakeholders to gather input on resilience strategies and tactics, including the Hawaii Public Utilities Commission, Consumer Advocate, critical infrastructure partners, and other private, public, and non-profit entities

Senior Resilience Strategist – Hawaiian Electric Company Honolulu, HI

June 2020 – November 2022

- Leading and championing Hawaiian Electric's first transmission and distribution resilience program, totaling $200M over 5 years and spanning all 5 islands in the company's service territory
- Spearheaded the company's Climate Adaptation Transmission & Distribution Program regulatory application filing with the Hawaii Public Utilities Commission
- Leading strategy development, work plan development, prioritization, and management of numerous large, cross-functional resilience initiatives with a diverse set of internal and external stakeholders
- Leading and managing resilience project applications for grant funding

Project Manager – Hawaiian Electric Company Honolulu, HI

July 2019 – May 2020

- Responsible for managing major energy delivery capital projects requiring complex regulatory approvals, land and right-of-way acquisition, public relations management, and cross-functional project team management from project conceptualization through engineering design, procurement, construction, placement in operation, and project close-out.
- Supervised a team of 4 project analysts

Project Analyst – Hawaiian Electric Company Honolulu, HI

October 2018 – July 2019

- Provided analytical support to project managers on various large, multidisciplinary, and complex capital projects from inception through close-out

Project Analyst – SSFM International, Inc. Honolulu, HI

June 2017 – October 2018

- Provided consulting services to Hawaiian Electric's Project Management Division as project analyst

Analyst – Kamehameha Schools Honolulu, HI

December 2015 – June 2017

- Provided project management, data analysis, business analysis, and project support for a variety of efforts related to land asset management, facility development, facility operations, and strategic planning.

Education

University of Southern California
B.S., Industrial & Systems Engineering, 2015

Frederick R. Pinkerton, Jr.

Hawaiian Electric Company
P.O. Box 2750, Honolulu, HI 96840
WORK: (808) 543-5674, Mobile: (808) 292-9824
rick.pinkerton@hawaiianelectric.com

SUMMARY

Rick is currently responsible for developing strategies and work plans to maintain and enhance the safety, reliability, and resilience of the transmission and distribution systems for Hawaiian Electric's five island grids. He joined Hawaiian Electric in 2016 after more than 25 years of related work in the utility industry. Rick started his career as a cooperative education student engineer for Georgia Power. After graduation, he went on to work for Florida Power & Light and later worked as a consultant for more than 20 utilities in the United States, Europe, South America, and the Middle East.

PROFESSIONAL EXPERIENCE

Hawaiian Electric Company, Inc. Honolulu, Hawaii
Director, Asset Planning & Strategy *April 2018 – present*

- Responsible for the development of asset sustainment strategies and work plans including inspection, testing, maintenance, renewal, and replacement of transmission and distribution (T&D) system equipment.
- Responsible for the development of resilience strategies and work plans for the improving our T&D system's ability to anticipate, absorb, adapt to, and rapidly recover from severe events.
- Responsible for the development of reliability strategies and work plans to reduce the frequency and duration of customer interruptions caused by T&D outages.
- Responsible for the development of vegetation management strategies and work plans for trimming, spraying, clearing, and removal of vegetation for existing T&D lines and substations.
- Responsible for the development of wildfire risk mitigation strategies and work plans to prevent the ignition of wildfires and to limit damage to the T&D system from wildfires.
- Serves as Planning Section Chief for the Company during emergency events.
- Reports to the Senior Vice President, Planning & Technology.

Hawaiian Electric Company, Inc. Honolulu, Hawaii
Manager, Asset Management Special Projects *December 2016 – April 2018*

- Assessed Hawaiian Electric's transmission line wind loading design chronology, hurricane category survivability, and potential vulnerabilities.
- Developed wood pole degradation and replacement forecasts for the five islands served by Hawaiian Electric.

- Developed probabilistic substation power transformer degradation and remaining life model and forecasts.
- Developed Oahu's 4 kV substation power transformer and switchgear replacement strategy and 10-year prioritized replacement plan.
- Led efforts to move from age-based to risk-based asset sustainment strategies.
- Reported to the Director, Asset Management.

F. R. Pinkerton & Company, LLC Honolulu, Hawaii *July 2013 – December 2016*
Consultant Atlanta, Georgia *2007 – July 2013*

- For six years (12/2010-12/2016), was a full-time consultant for Hawaiian Electric helping to assess and significantly increase engineering design execution throughput and to develop various T&D asset sustainment strategies, implementation plans, and program evaluations.
- Worked with multiple other electric utility clients on asset management, reliability, and resilience improvement projects.
- Worked with large North American electric utility contractor on developing and accessing multi-year design and construction alliances with electric utilities.
- Helped annually for 10 years with the organization, panel development, and post-event synopsis of leading utility industry collaborative symposium on major T&D project/program development and execution challenges and practices.

UMS Group Atlanta, Georgia
Director *2003-2007*

F. R. Pinkerton & Company, LLC Atlanta, Georgia
Consultant *1999-2003*

Utilities International, Inc. Chicago, Illinois
Principal *1997-1999*

Integrated Logistics Solutions Chicago, Illinois
Principal *1996-1997*

Metzler & Associates (now Guidehouse) Chicago, Illinois
Senior Associate *1994-1996*

Florida Power & Light Miami, Florida
Distribution Supervisor *1989-1992*

Georgia Power Company Atlanta and Brunswick/St. Simons Island, Georgia
Cooperative Education Student Engineer *1985-1988 (8 quarters)*

EDUCATION/ACCREDITATION

- **Emory University**, Goizueta Business School, Atlanta, Georgia
  Master of Business Administration, 1994
  Beta Gamma Sigma
- **Georgia Institute of Technology**, Atlanta, Georgia
  Bachelor of Electrical Engineering, 1989

Henry W. Lee, P.E.

Hawaiian Electric Company
P.O. Box 2750, Honolulu, HI 96840
WORK: (808) 543-7988, Mobile: (808) 225-8770
henry.lee@hawaiianelectric.com

PROFESSIONAL EXPERIENCE

Hawaiian Electric Company, Inc. Honolulu, Hawaii
Regional Director, System Operation *March 2022 – present*

- Direct the system operation of all five islands served by the Hawaiian Electric companies.
- Support Hawaiian Electric's efforts to procure and integrate new renewable energy resources.
- Oversee Hawaiian Electric's geospatial & asset data efforts. Oversee System Operation's training and data analytics programs.
- Serve as Incident Commander for the Company during emergency events.
- Report to the Senior Vice President & Chief Operations Officer.

Hawaiian Electric Company, Inc. Honolulu, Hawaii
Director, System Operation (Oahu) *March 2017 – March 2022*

- Direct the system operation, planning and execution, on the island of Oahu.
- Support Hawaiian Electric's efforts to procure and integrate new renewable energy resources.
- Oversee Oahu System Operation's training and operation information technology areas.
- Serve as Operations Section Chief or System Operation Branch Director for the Company during emergency events.
- Report to the Regional Director, System Operation.

Hawaiian Electric Company, Inc. Honolulu, Hawaii
Operations Chief, System Operation (Oahu) *October 2011 – March 2017*

- Supervise the operation engineers and switching coordinators in the planning and scheduling of Oahu's system operations.

- Support Hawaiian Electric's efforts to procure and integrate new renewable energy resources.
- Oversee the development and maintenance of the Energy Management System and Outage Management System engineering applications.
- Report to the Operating Superintendent, System Operation (Oahu).

Hawaiian Electric Company, Inc.	Honolulu, Hawaii
Operations Engineer	*2005 - 2011*
Lead Transmission Planning Engineer	*1997 - 2005*
Technical Applications Engineer, Transmission Planning	*1993 - 1997*
Transmission Planning Engineer	*1991 - 1993*

EDUCATION/ACCREDITATION

- **University of Hawaii - Manoa**, Honolulu, Hawaii
  Master of Business Administration, May 2003
  Beta Gamma Sigma
- **University of Hawaii - Manoa**, Honolulu, Hawaii
  Master of Science in Electrical Engineering, December 1999
- Registered Professional Engineer, Electrical Branch, State of Hawaii
- **Harvey Mudd College**, Claremont, California
  Bachelor of Science in Engineering, May 1990
  Graduated with *Honors in Engineering* and with *Distinction*

1396 Alu St., Hilo, HI, 96720•990-6582•rileyceria@yahoo.com

Riley Ceria

Experience

3/2021 – Present **Hawaiian Electric** **Hilo, HI**

Manager, Reliability and Resilience Strategy

- Manage Tri Company team for reliability and resilience initiatives
- Manage teams to help develop reliability work plans for all companies and investigate new technologies to help with reliability initiatives
- Manage teams to help develop resilience work plans for all companies and investigate new technologies to help with resilience initiatives
- Manage team in charge of reliability reporting and forecasting

05/2020 – 03/2021 **Hawaiian Electric** **Hilo, HI**

Consulting Engineer

- Part of the Conceptual Engineering group for Tri Company
- Work on standardizing processes and equipment between companies
- Facilitate piloting and integrating new technologies on the T&D system

03/2017 – 5/2020 **Hawaii Electric Light** **Hilo, HI**

Sr. Supervising Engineer

- Plans expansion and repair of transmission and distribution system
- Perform power system engineering studies
- Supervise team for Hawaii Island distribution engineering and planning needs

12/2009 – 3/2017 **Hawaii Electric Light** **Hilo, HI**

Electrical Engineer

- Plans expansion and repair of transmission and distribution system
- Perform power system engineering studies using Aspen Distriview, OneLiner, and Synergi
- Design protection systems for the distribution system

11/2008-11/2009 **County of Hawaii** **Hilo, HI**

Electrical Engineer

- Manage, troubleshoot, repair and program traffic controllers and related equipment
- Perform traffic analyses and studies

6/2005-11/2008 **California Institute of Technology – Caltech Submillimeter Observatory** **Hilo, HI**

Electrical Engineer

- Perform research and testing of new receivers and other telescope upgrades
- Design hardware and software controls in telescope functions and data acquisition
- Design monitoring systems to gather data for telescope upgrades

Volunteer Work

2005-2020 **Waiakea High School** **Hilo, HI**

Robotics Mentor

- Teach students robotic designs and principles. Mentor students in both hardware and software design. Mentor students in troubleshooting.
- Help the robotics club with external activities and outreach.

Accreditation/Education

8/2001-5/2005 **UH Manoa** **Honolulu, HI**

BS Electrical Engineering

Hawaii Licensed Professional Engineer – Electrical Engineering

Marsha Tam

Employee Number: 33816
Mail Code: WA2-PD
Cell: (808) 861-9975
E-mail: marsha.tam@hawaiianelectric.com

Professional Experience

Project Manager August 2022 – Present
Hawaiian Electric Company, Inc., P.O. Box 2750, Honolulu, Hawaii 96840

- Plans, organizes, and manages scope, schedule, and costs of major Energy Delivery capital projects
- Manages project tasks associated with budgeting, design, approval, procurement, construction, placement in operation, and closing of projects
- Serves as focal point for all project matters
- Develops necessary strategies required to meet project goals
- Current projects:
  - Kewalo T4 Installation
  - IIJA: Oahu Backup Control Center
  - IIJA: New Maui Control Center
- Supervisor: Jayson Shibata, Supervising Project Manager

Account Manager December 2004 – July 2022
Hawaiian Electric Company, Inc., P.O. Box 2750, Honolulu, Hawaii 96840

- Served as primary point of contact for major customers
  - Hotels, Hospitals, and Elder Care (2013 – 2022)
  - Shopping Centers, Retail, and Supermarkets (2004 – 2013)
- Managed customer situations to achieve proper balance between the Company's and customer's interests
- Worked with various departments of the Company to help manage and resolve customer issues, new construction projects such as:
  - Kaiser Permanente West Oahu Medical Center
  - Queen's Island Urgent Care – Kahala
  - The Grand Islander tower at Hilton Hawaiian Village
  - Nordstrom (first location on Kapiolani Blvd.)
- Prepared briefings, coordinated, and attended Executive Call Meetings
- Provided 24/7 service including outage communication, load control events, and other issues that occurred
- Assisted customers with evaluating and managing their energy usage
- Assisted with power quality issues
- Promoted Company's strategic plans and initiatives
- Helped to ensure the financial integrity of the Company by performing SOX control reviews for billing discrepancies and errors
- Planned workshops and tours to help educate customers
- Co-chaired 2011 Pacific Coast Electrical Association Hawaii Conference and Expo on the Big Island
- Supervisor: Dan Sakamoto, Key Account Management Director

Clerk Typist III September 2000 – December 2004
Hawaiian Electric Company, Inc., P.O. Box 2750, Honolulu, Hawaii 96840

- Coordinated meetings and events such as the quarterly Solar Contractor's Meeting and the Electro-Efficient Technology Expo
- Assisted with any clerical needs such as filings and daily activities to the Customer Efficiency Programs Division and the Pricing Division
- Opened rebate applications in DSMIS and Microsoft Access
- Supervisor: Norris Creveston, Customer Efficiency Programs Director

Organizations

Waikiki Improvement Association, Board Member 2018 – July 2022
Hawaii Society of Healthcare Engineering, Member 2017 – July 2022
Hawaii Lodging & Tourism Association and Engineers Advisory Council, Member 2015 – July 2022

Education

B.B.A. in Finance and Real Estate, University of Hawaii

Skills

Work well both in groups and independently
Highly organized
Excellent customer relation skills
Outstanding verbal and written communication skills
Fast learner and efficient worker
Capable of meeting deadlines
Able to work well under pressure
Self-starter
Software knowledge: Word, Excel, PowerPoint, Access, SAP
Ten-key by touch

References

Available upon request

GINA YI
E-mail: gina.yi@hawaiianelectric.com • Phone: (808) 543-7829

EDUCATION

Massachusetts Institute of Technology **Cambridge, MA**
Master of Engineering degree in *Computer Science and Electrical Engineering*. [June 2004]
Bachelor of Science degree in *Computer Science and Electrical Engineering*. Minor in *Economics*. [June 2003]

WORK/RESEARCH EXPERIENCE

Hawaiian Electric **Honolulu, HI**
Asset Planning & Strategy Division
- *Resilience Strategist*. [December 2022 – Present]
  Engaged in development of strategies to improve resilience of electric utility infrastructure. Supported activities in various dockets before the Hawaii Public Utilities Commission related to resilience initiatives. Participated in partnerships with national labs to initiate creation of performance models for advanced resilience analytics.

State of Hawaii **Honolulu, HI**
Public Utilities Commission
- *Acting Chief Engineer*. [August 2019 – December 2022]
  Managed Engineering Section in addition to performing engineering responsibilities.
- *Engineer*. [June 2016 – July 2019]
  Regulated electric utilities across the State of Hawaii. Reviewed applications for utility projects and assessed for technical feasibility and soundness. Engaged in conferences and meetings with global stakeholders with common goal of helping Hawaii achieve 100% renewable energy.

Raytheon **Arlington, VA**
Integrated Defense Systems; Customer Integration Center
- *Senior Systems Engineer I*. [November 2008 – February 2009]
  Discussed advanced development of software algorithms for object-classification component of the System Discrimination Architecture Program.

BBN Technologies **Arlington, VA**
Sensor Systems & Technologies Department
- *Engineer*. [December 2004 – March 2008]
  Projects: *MicroThunder* – Designed from the bottom up an algorithm for classifying objects for the MicroThunder System. (MicroThunder is an Ultra Wide-Band (UWB), multi-static, wirelessly networked radar system for detecting, tracking, and classifying moving objects.) The algorithm relies on advanced digital signal processing and probabilistic modeling techniques. Collected and analyzed radar-signals; designed, implemented, and tested the algorithm in software; integrated and debugged software components of the System. *Business Development* – Generated ideas for and wrote business proposals and white papers. Delivered presentations to and interfaced with customers.
- Awards: Science Development Program 2006 Patent Award.

MIT Computer Science and Artificial Intelligence Laboratory (CSAIL) **Cambridge, MA**
Networks and Mobile Systems Group (NMS); ORNet Project
- *Graduate Research Assistantship*. [June 2003 – June 2004]
- *Undergraduate Research Opportunities Program (UROP)*. [June 2002 – June 2003]
  Designed, implemented, and tested a "software toolkit" for analyzing, characterizing, detecting, and classifying physiologically relevant respiratory events. (Potential uses of the toolkit include providing an objective, non-invasive, inexpensive, and portable method for understanding, screening for, and diagnosing pulmonary diseases.) The toolkit employs digital signal processing and machine learning techniques.

BAE Systems **Lexington, MA**
Infrared Imaging Systems (IRIS)
- *MIT VI-A Internship Program: Summer Intern*. [June – August 2001]
  Participated in development and completion of the SIM210 project. (SIM210 is a Standard Imaging Module that utilizes the most recent innovations in infrared and microbolometer technology to produce reliable video images.) Collected data, performed tests, and debugged hardware components of the Module in electrical engineering and production laboratories.

SKILLS

- *Computer Operating Platforms:* UNIX, LINUX, Windows, Macintosh.
- *Computer Programming Languages:* MATLAB, C, C++, Java.
- *Computer Application Programs:* Microsoft Word, Microsoft PowerPoint, Microsoft Excel.

PATENTS

Method for Building Robust Algorithms that Classify Objects Using High-Resolution Radar Signals, United States Patent Pending; Inventor: Gina Ann Yi; Assignee: BBNT Solutions LLC; Application Filing Date: April 2006; Application Publication Date: November 2007.

PUBLICATIONS

A Software Toolkit for Acoustic Respiratory Analysis, MIT Master's Thesis; Author: Gina Ann Yi; Copyright Holder: MIT; Copyright Date: May 2004.