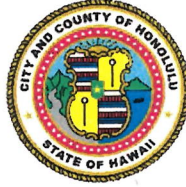


**OFFICE OF THE MAYOR  
CITY AND COUNTY OF HONOLULU**

530 SOUTH KING STREET, ROOM 300 • HONOLULU, HAWAII 96813  
PHONE: (808) 768-4141 • FAX: (808) 768-4242 • INTERNET: [www.honolulu.gov](http://www.honolulu.gov)



RICK BLANGIARDI  
MAYOR

MICHAEL D. FORMBY  
MANAGING DIRECTOR  
  
DANETTE MARUYAMA  
DEPUTY MANAGING DIRECTOR

December 30, 2021

The Honorable Tommy Waters  
Chair and Presiding Officer  
and Members  
Honolulu City Council  
530 South King Street, Room 202  
Honolulu, Hawaii 96813

Dear Chair and Councilmembers:

In accordance with Section 4-104 of the Revised Charter of the City and County of Honolulu, as amended, I am requesting the City Council's confirmation of the following appointee, who will be serving a temporary commission effective January 1, 2022, and expiring upon his permanent appointment.

Roger W. Babcock, Jr., P.E., Ph.D.  
Director of the Department of Environmental Services

I have enclosed the officer's information and a draft resolution for your review.

The individuals who have accepted my call to join the City government are all experienced, energetic, and capable leaders who are committed to positive change, and I would deeply appreciate your confirmation of their appointments.

Sincerely,

A handwritten signature in black ink that reads "Rick Blangiardi". The signature is written in a cursive, flowing style.

Rick Blangiardi  
Mayor

Enclosures

MAYOR'S MESSAGE 189

CITY AND COUNTY OF HONOLULU  
NOMINEE/APPOINTEE FORM

1. Position Nominated to: Director, Department of Environmental Services
2. Name: Roger William Babcock Jr  
(First) (Middle) (Last)
3. Are you a citizen of the United States? Yes  
Are you a resident of the City and County of Honolulu? Yes If yes, how long >20 years  
Are you a registered voter in the City and County of Honolulu? Yes
4. Occupation: Director and Chief Engineer, Department of Facility Maintenance
5. Name and address of employer or firm:  
City and County of Honolulu, Department of Facility Maintenance  
1000 Uluohia Street, Suite 215, Kapolei HI 96707
6. Does your employer do any business with the City and County of Honolulu? Yes  
If yes, state the nature of business and approximate dollar amount in the last five years:  

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7. Do you or does any member of your immediate family hold office or own stock in any firm?  
Yes
8. Does the firm do business with the City and County of Honolulu? No  
If yes, provide details including the name(s) of the firm:  

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9. Do you have any part-time employment, professional activity, or financial interests other than those indicated in the previous question? Yes  
If yes, provide details:  
Independent engineering consultant
10. Do you foresee any possible conflict between your present work, financial investments, business transactions or any other activity which would be incompatible with the proper discharge of your official duties or hinder you from effectively carrying out the duties for which you have been appointed? No
11. Are any members of your family employed by the City and County of Honolulu or any attached agency? No  
If yes, please specify the department and division:  

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12. Are there any incidents in your past that may jeopardize your nomination? No
13. Have you ever been convicted of a felony? No If yes, provide details:  

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14. Education:

BS Civil Engineering - UC Davis, 1987

MS Civil Engineering - Cal Poly SLO, 1989

PhD Civil Engineering - UCLA, 1991

15. Provide a summary of major work experience for the last ten (10) years. Begin with your present job including military (attach additional sheets if necessary or resume):

Director, DFM, 2021. Professor, University of Hawaii at Manoa, 1995-2020

16. Community activities, etc. (also list any service on any other board or commission Federal, State or County):

Member, State Board of Certification of Wastewater Treatment Plant Operators (1996-2003 & 2011-2023)

Board Member, Mililani Town Association

17. Have you ever been a member of a board or commission with the City and County of Honolulu?

No

If yes, provide name(s) of board/commission:

18. Will you be able to commit to the full term of this appointment? Yes

19. Will you be able to commit to meeting dates and times? Yes

20. Are you regularly away from Honolulu? No If yes, please explain:

21. Are you willing to make a confidential financial disclosure to the city Ethics Commission upon appointment and yearly thereafter? Yes

22. What do you understand to be the prime duties of your county appointment?

Supervise and manage the operation of the Department of Environmental Services  
and its work units through subordinate supervisors and managers.

The above statements made by me are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Roger Babich  
(Signature)

12/29/2021

(Date)

The above statements made by me are true, complete, and correct to the best of my knowledge and  
***The completed form and any attachment(s) will be posted by the City Clerk and available on the City's DocuShare Website.***

## Roger W. Babcock Jr.

Professor, Department of Civil & Environmental Engineering  
and Water Resources Research Center, University of Hawaii at Manoa

### Education

High School:	Bishop O'Dowd HS (Oakland CA)	May 1981
University:	UC Davis, B.S. Civil Engineering	June 1987
Graduate School:	Cal Poly SLO, MS Civil Eng.	June 1989
	UCLA, Ph.D. Civil Engineering	Dec 1991

### Licences

Professional Engineer: Civil #51325 California (1994); Civil #12133 Hawaii (2006)

### Consulting Experience

Project Engineer, Carollo Engineers, Walnut Creek, CA  
(8/92 - 12/93): Responsible for selection and evaluation of design alternatives  
and materials to be used for upgrade and expansion of drinking water and  
wastewater treatment plants and pipelines.

Independent Consultant, Roger Babcock Jr Environmental Engineer, Honolulu, HI,  
(8/95 – present) for the following companies: M&E Pacific/AECOM, CH2MHill/Jacobs,  
Brown & Caldwell, Hawaii Pacific Engineers/HDR, Kennedy Jenks Consultants, Yogi  
Kwong Engineers, Environet, Bill's Engineering, Community Planning and Engineering,  
Hydrobyte LLC, GSI Pacific, Aqua Engineers, Laulea Engineering LLC, Engineering  
Solutions, Applied Geosciences, Kauikeolani LLC, Reynolds Metals, Tesoro Refinery,  
DIMCO, Pacific American Foundation, Enviniti LLC, Best Industries, Kalama Eng, Aylward  
Enterprises, Hawaii Dept of Health Wastewater Branch. Responsible for various studies,  
evaluations, designs and design reviews. US Dept of Justice: expert witness on large case  
involving water quality, sewage sludge and hydraulics/hydrology.

### Academic and Executive Experience

Professor, Department of Civil & Environmental Engineering (50%), and Water  
Resources Research Center (50%), University of Hawaii at Manoa (8/16 – present),  
associate professor (8/00 – 8/16), assistant professor (8/95 – 8/00): Teaching undergraduate  
and graduate courses, leading an externally-funded research program that produces scholarly  
output and involves mentoring graduate students, supervising employees, service to the  
university, the state, the nation, and the engineering industry/profession. Executive  
experience: 1) Associate Director for Engineering (1999-2001) National Science  
Foundation-funded \$12.4M Marine Bioproducts Engineering Research Center. 2) Director of  
a research enterprise for 25 years consisting of a 7,500 square foot research lab, one full-time  
state employee (technician) and 76 MS/PhD graduate students, funded by 45 research grants:  
average 3 to 6 employed researchers at all times.

### Research Areas

Effects of sea level rise on wastewater infrastructure; carbon diversion and sludge  
treatment for green energy production from wastewater; wastewater recycling; on-site  
wastewater treatment and cesspool conversions; stormwater treatment via biofiltration  
and green roofs.

### Awards

Professional:

- Engineer of the Year 2019, Hawaii Council of Engineering Societies

Teaching:

- UH Manoa Sustainability Teaching Award, 2006

- Hi Chang Chai Excellence in Teaching Award, College of Engineering, 2009
- Hi Chang Chai Excellence in Teaching Award, College of Engineering, 2015
- Hi Chang Chai Excellence in Teaching Award, College of Engineering, 2018
- UH Board of Regents Medal for Excellence in Teaching, 2020

Research:

- NWRI Award of Excellence for MBR research study, 2004
- ASCE Hawaii Section, Outstanding Civil Engineering Achievement Award, Best Study/Research Project, 2009
- ASCE Hawaii Section, Outstanding Civil Engineering Achievement Award, Best Study/Research Project, 2020

Mentoring:

- ASCE National Student Chapter Faculty Advisor Award, 2002
- ASCE National Faculty Advisor Certificate of Commendation, 2003
- ASCE National Faculty Advisor Certificate of Commendation, 2004
- ASCE National Faculty Advisor Certificate of Commendation, 2008
- ASCE National Outstanding Faculty Advisor Award, 2018

Service:

- Order of the Engineer, National Outstanding Link Coordinator, 2014
- Faculty Service Award, College of Engineering, 2018
- Volunteer Recognition Award, Boy Scouts of America, Aloha Council, 2012

**Scholarship**

Publications

- Peer-Reviewed Journal Publications: 42
- Technical Reports: 39
- Technical Conference Presentations: 118
- Conference Proceedings Editor: 1

Research Grants

- Completed – Federally funded: 14
- Completed – State and Local funded: 13
- Completed – Industry funded: 14
- Current Funded – Research: 5
- Current Funded – Wastewater Operator Training: 6

Student Mentoring

- Completed - Committee Chair (76): 5 PhD, 31 MS Thesis, 40 MS Non-Thesis
- Completed – Committee Member (68): 19 PhD, 27 MS Thesis, 22 MS Non-Thesis
- Current – Committee Chair (11): 3 PhD, 8 MS

**Professional Affiliations and Service**

American Society of Civil Engineers (ASCE)

- 2019-2023 National Committee on Student Chapter Conferences
- 2001-present ASCE Student Chapter Faculty Advisor, national awards received:
  - Student Chapter Certificate of Commendation, 2016, 2020
  - Student Chapter Letter of Honorable Mention, 2002, 2014, 2015, 2017, 2018
  - Student Chapter Letter of Significant Improvement, 2006, 2020
  - Student Chapter Letter of Recognition for Community Service, 2015
  - Student Chapter National Outstanding Community Service Award, 2017
- 2006-2007 Treasurer of ASCE Hawaii Section
- 2007-2008 Secretary of ASCE Hawaii Section
- 2008-2009 Vice-President of ASCE Hawaii Section
- 2009-2010 President Elect of ASCE Hawaii Section
- 2010-2011 President of ASCE Hawaii Section

- 2011-2012 Past President of ASCE Hawaii Section
  - 1996-2005 Environmental Technical Committee for ASCE Hawaii Section
  - 2007-2009 Congress Committee Member – Environment & Water Resources Institute
  - 2008 Technical Program Chair, ASCE-EWRI World Congress – held in Honolulu
  - 2009 Technical Program Co-Chair, ASCE-EWRI World Congress – held in Kansas City
- Water Environment Federation/Hawaii Water Environment Association (WEF/HWEA)
- 1996-2000 Asia Pacific Region Committee of WEF
  - 1999-present Chair, Research Committee of HWEA
  - 1997-present Coordinator, Student Poster Session, HWEA annual conference and AWWA Hawaii Section annual conference, and Pacific Water Conference
  - 2016-2017 Secretary/Treasurer of HWEA
  - 2017-2018 Vice President of HWEA
  - 2018-2019 President of HWEA
  - 2019-2020 Past President of HWEA
- Hawaii Council of Engineering Societies (HCES)
- 2010-2012 ASCE Representative
  - 2018-present HWEA Representative
  - 2019-2020 Secretary of HCES
  - 2020-2021 Vice-Chair of HCES
  - 2021-2022 Chair of HCES
  - 2019-present Engineers Week Awards Banquet emcee
- American Council of Engineering Consultants Hawaii (ACECH)
- 2013, 2015 Engineering Excellence Awards judge
- Hawaii Society of Professional Engineers (HSPE)
- 2003 PE Education Practice Division chair
- Engineers Without Borders (EWB-USA)
- 2007-2008 Honolulu Professional Chapter, founding member and first Secretary
- Order of the Engineer
- 2006-present Link Coordinator for University of Hawaii College of Engineering, preside over induction ceremonies for all graduates at every Fall and Spring college commencement, have inducted over 2,000 members into the Order of the Engineer.
- University of Hawaii at Manoa
- 1995-present Director, Water Resources Research Center, Environmental Chemistry Laboratory, includes supervision of permanent lab technician
  - 2010-present Director, Statewide Wastewater Operator Training Center (SWOTC), took over operation for SWOTC from Hawaii Dept of Health when defunded due to budget cuts, now all counties contract with UH for monthly training courses on all islands, oversee 8 employees who conduct trainings
  - 1995-2005 Environmental Center, Reviewer of Draft Environmental Assessments (EAs) and Environmental Impact Statements (EISs) and New Drinking Water Source Reports
  - 1999-2001 Associate Director - Engineering, NSF Marine Bioproducts Engineering Research Center
  - 2001-2003 Manoa Faculty Senate (elected), Representing College of Engineering, Chaired the Committee on Academic Policy and Planning (CAPP) for 2002
  - 2006-2007 President, College of Engineering Faculty Senate (elected)
  - 2007-2008 Climate Change Commission, UH Manoa
  - 2009-2020 Graduate Program Chair, Civil & Environmental Engineering Dept
  - 2009-2012 UHPA Faculty Representative for WRRC (elected)
  - 2015-2016 Member, Institutional Learning Objectives Assessment Project, Assessment Office
  - 2013-2020 Member, UH System Ethics Committee, research integrity investigation panel
- Hawaii State Department of Health

- 1996-2003 Member/Chair, Board of Certification of Wastewater Treatment Plant Operators. Appointed by Governor Cayetano, confirmed by Senate
- 2011-2023 Vice-Chair, Board of Certification of Wastewater Treatment Plant Operators, Appointed by Governor Abercrombie, Re-appointed by Ige, confirmed by Senate
- 1999-2003 Member, Environmental Technical Advisory Committee (ETAC)
- 2009 Gray Water Rulemaking Committee Member, created the Guidelines for the Reuse of Gray Water
- 2020-2021 Member, Onsite Water Reuse Rulemaking Committee
- 1996-present Instructor: Wastewater Treatment Plant Operator Continuing Education Training Classes on all islands: began teaching 2-day classes in 1996 at one or two per year, then ramped up to 12 or more classes per year between 2010-2014, taught 31 different classes in all (from a suite of 75 total) on all islands. Total taught: 85+ classes. Nearly every one of the 325 certified wastewater operators in the State of Hawaii have taken a class from me.

Hawaii Department of Commerce and Consumer Affairs

- Administrative Mediation Panel Member 08/2018-11/2018

Hawaii Department of Education

- 1998-2000 Group Leader for School-to-Work Career Pathways Project, Developed the Industrial & Engineering Technology Pathway. This IET pathway is still prominent as one of the Career Pathways available to all high school students in the state of Hawaii.

City and County of Honolulu

- 2000-2005 Member, Central Oahu Regional Park Advisory Committee
- 2019-2021 Member, Oahu Storm Water Utility Project – Advisory Group

### **Civic and Community Contributions**

Mililani Town Association Director

- 2005-2016, 2019-2021 (elected 6 times): have served as Vice-President, Secretary, Treasurer, chair of Recreation Committee and Management & Personnel Committee

Village on the Green at Waikele Condominium AOA Director

- 1996-2010 (elected 7 times): served as President (1), Vice-President (1), Treasurer (8)

Mililani Hongwanji Board of Directors

- 2005-present (elected 8 times): Secretary (2005-present), Baccalaureate Program Committee Member (2005, 2006, 2007, 2013, 2016), Dharma School Program Co-Director 2007-2020), Adopt-A-Highway program leader (2005-present)

Mililani Ike Elementary School

- 2006-2011 School Community Council member

Mililani Middle School

- 2009-2016 School Community Council chair

Mililani High School

- 2012-2020 School Community Council member

Mililani AYSO Region 9

- 2005-2011 Served as Age Group Coordinator and Board Member, coached 15 teams including Select teams

Mililani Basketball Association

- 2005-2011 Coached 15 teams

Waipio Little League

- 2005-2006 Coach

Cub Scout Pack 864

- 2004-2013 Committee Chair

Boy Scout Troop 664

- 2014-2018 Assistant Scoutmaster

Mililani Ike Red Cross Shelter Team

- 2006-2010 Member  
Aloha Aquatics Mililani Swim Team
- 2013-2019 President



Office of the City Clerk  
CITY AND COUNTY OF HONOLULU  
STATE OF HAWAII

## Voter Certificate

I, *Glen I. Takahashi*, City Clerk of the City & County of Honolulu, State of Hawaii do hereby certify that,

**ROGER W. BABCOCK JR**

a resident of the City and County of Honolulu, State of Hawaii is a duly registered elector (voter) of

Precinct: 01, Representative District: 36, State of Hawaii


Voter ID No: 1513214

Registration Date: 07/20/1995

Date of Birth:

In Witness Whereof, I have hereunto set my hand and caused the Seal of the City and County of Honolulu to be affixed on December 30, 2020.

  
Signature of Elector

  
Glen I. Takahashi, City Clerk  
City and County of Honolulu  
State of Hawaii



## RESOLUTION

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CONFIRMING THE NOMINATION OF ROGER W. BABCOCK, JR., P.E., PH.D., TO SERVE AS THE DIRECTOR OF THE DEPARTMENT OF ENVIRONMENTAL SERVICES OF THE CITY AND COUNTY OF HONOLULU.

WHEREAS, Section 4-104.1 of the Revised Charter of the City and County of Honolulu 1973 (2017 Edition) ("Charter"), requires that all department heads and the Managing Director, nominated by the Mayor, be subject to the advice and consent of the City Council ("Council"); and

WHEREAS, Charter Section 6-801 establishes the Department of Environmental Services, headed by a Director of the Department of Environmental Services; and

WHEREAS, Charter Section 6-803 sets forth the powers, duties, and functions of the Director of the Department of Environmental Services; and

WHEREAS, Charter Section 6-802 requires that the Director of the Department of Environmental Services shall have a minimum of five years of engineering experience, three of which shall have been in sanitary engineering, and three years of administrative experience which does not have to be directly related to sanitary engineering; and

WHEREAS, Charter Section 4-104.1 requires that each department head be a registered voter of the City; and

WHEREAS, by Mayor's Message 189, dated December 30, 2021, the Mayor has nominated Roger W. Babcock, Jr., P.E., Ph.D., to serve as the Director of the Department of Environmental Services; and

WHEREAS, after review of the nominee's qualifications, the Council finds that Roger W. Babcock, Jr., P.E., Ph.D., is qualified to serve as the Director of the Department of Environmental Services, and warrants confirmation; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that Roger W. Babcock, Jr., P.E., Ph.D., is confirmed as the Director of the Department of Environmental Services of the City and County of Honolulu; and



**CITY COUNCIL**  
CITY AND COUNTY OF HONOLULU  
HONOLULU, HAWAII

No. \_\_\_\_\_

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## RESOLUTION

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BE IT FINALLY RESOLVED that copies of this resolution be transmitted to the Mayor and Roger W. Babcock, Jr., P.E., Ph.D.

INTRODUCED BY:

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DATE OF INTRODUCTION:

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Honolulu, Hawaii

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Councilmembers