

NELHA BOARD BOOK  
March 18, 2025



# NATURAL ENERGY LABORATORY OF HAWAII AUTHORITY

*An Authority of the State of Hawaii attached to the Department of Business, Economic Development & Tourism*



**BOARD OF DIRECTORS MEETING AGENDA\***  
**Natural Energy Laboratory of Hawaii Authority**  
**March 18, 2025**  
**1:00 p.m.**

**An Hybrid Interactive Conference Technology Meeting will be held**  
**via Zoom and one location.**

Board Directors and members of the public may attend the meeting  
at the location listed below or via Zoom using this link:

<https://us06web.zoom.us/j/81881268011?pwd=oIkPZOOhNGQO9b3aDjTyBxSE14yyHCr.1>

**Meeting ID:** 818 8126 8011  
**Passcode:** 288839

Members of the public can also join via the **toll-free** telephone numbers listed below:

+12532158782,,81881268011#  
or  
+13462487799,,81881268011#

**NELHA OceanView Conference Room 208**  
**Hale Iako Building**  
**73-970 Makako Bay Drive**  
**Kailua-Kona, HI 96740**

1. **Call to Order.**
2. **Approval of NELHA Board of Directors' January 21, 2025 Meeting Minutes.**
3. **Public Testimony.**
4. **Old Business.**
  - a. Discussion and Decision Making regarding nomination of Dr. Terry Surles to be appointed to the Research Advisory Committee.

**5. New Business.**

- a. None.

**6. Financial Report: Approval and Decision Making.**

**7. Executive Director's Informational Status Report on ongoing projects including: 2025 Legislative session, research campus leases, new leases under discussion; water quality and seawater system maintenance; offshore deep seawater pipe removal planning and design; regional seawater air conditioning planning and design; new potable water supply update; aquaculture accelerator and investment fund initiative; grant applications; new Mauka Research Campus; renewable distributed energy resources initiative for microgrid; and, solar desalination; contracts and agreements including master plan and EIS update.\***

**8. Announcements.**

- a. Date of next regularly scheduled NELHA Board of Directors meeting is Tuesday, May 20, 2025, at 1:00 pm.

**9. Adjournment.**

\* On any of the above items the Board may convene in Executive Session pursuant to section 92-5(a), HRS, to consult with the Board's attorney on issues pertaining to the Board's powers, duties, privileges, immunities, and liabilities pursuant to section 92-5(a)(4), HRS, to discuss business trade secrets of confidential or proprietary commercial or financial information of tenants or prospective tenants pursuant to section 227D-3.5, (HRS), or to receive information that is proprietary to a particular enterprise pursuant to HRS 227D-6.

\*\* The Board may enter Executive Session pursuant to section 92-5(a)(2), HRS to consider the hire, evaluation, dismissal, or discipline of an officer or employee or of charges brought against the officer or employee, where consideration of matters affecting privacy will be involved; provided that if the individual concerned requests an open meeting, an open meeting shall be held.

In the event a location loses its audiovisual connection, the meeting will be automatically recessed to restore communications as described in section 92-3.7(c), HRS.

Members of the public may submit written testimony on this agenda via e-mail no later than 2:30 p.m. on Friday, March 14, 2025, addressed to: [riley.m.saito@hawaii.gov](mailto:riley.m.saito@hawaii.gov)

Alternatively, members of the public may mail written testimony on this agenda to Riley Saito, Natural Energy Laboratory of Hawaii Authority, 73-4460 Queen Kaahumanu Hwy., #101, Kailua-Kona, Hawaii USA 96740-2637.

**Internet Access:**

To view the meeting and provide live oral testimony during the meeting, please use the link shown on page 1 of this agenda. You will be asked to enter your name in order to access the meeting as an attendee. We request that you enter your full name, but you may use a pseudonym or other identifier if you wish to remain anonymous. You will also be asked for an email address. You may fill in this field with any entry in an email format, e.g., \*\*\*\*\*@\*\*\*mail.com.

As an attendee, your microphone will be automatically muted during the meeting unless you are providing testimony. For each agenda item you wish to testify on, please click the “Raise Hand” button found on your Zoom screen. Board staff will individually enable each testifier to unmute their microphone. When recognized by the Board Chair, please unmute your microphone before speaking and mute your microphone after you finish speaking in order to prevent audio feedback. When testifying, you will be asked to identify yourself and the organization, if any, that you represent.

**Telephone Access:**

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Upon dialing the number, you will be prompted to enter the Meeting ID which is also listed on page 1 of this agenda. After entering the Meeting ID, you will be asked to either enter your panelist number or wait to be admitted into the meeting. You will not have a panelist number, so please wait until you are admitted into the meeting.

When the Board Chair asks for public testimony, you may indicate you want to testify by entering “\*” and then “9” on your telephone’s keypad. After entering “\*” and then “9”, a voice prompt will let you know that the host of the meeting has been notified. When recognized by the Board Chair, you may unmute yourself by pressing “\*” and then “6” on your telephone. A voice prompt will let you know that you are unmuted. Once you are finished speaking, please enter “\*” and then “6” again to mute yourself.

If you need an auxiliary aid/service or other accommodation due to a disability, contact Ms. Faustine Edge at 808-327-9585 or [faustine.x.edge@hawaii.gov](mailto:faustine.x.edge@hawaii.gov) as soon as possible, preferably three (3) working days prior to the meeting so arrangements can be made. If a response is received three (3) working days or less before the meeting, we will try to obtain the auxiliary aid/service or accommodation, but we cannot guarantee that the request will be fulfilled. Upon request, this notice is available in alternate formats such as large print, Braille, or electronic copy.

NELHA Board of Directors Meeting Agenda  
March 18, 2025

The next NELHA Board of Directors meeting is currently scheduled for Tuesday  
May 20, 2025.

**Issued March 12, 2025, in compliance with Sunshine Laws**

Item 2.

Approval of NELHA Board of Directors'  
Meeting Minutes.

a. January 21 2025, Board of Directors  
Meeting.



# NATURAL ENERGY LABORATORY OF HAWAII AUTHORITY

*An Authority of the State of Hawaii attached to the Department of Business, Economic Development & Tourism*



## BOARD OF DIRECTORS MEETING MINUTES

**DRAFT**

January 21, 2025  
1:00 p.m.

**An Interactive Conference Technology Meeting was held at  
NELHA OceanView Conference Room  
Hale Iako Building  
73-970 Makako Bay Drive  
Kailua-Kona, HI 96740  
and via Zoom Video Conferencing Software.**

### **Members/Designees in Attendance**

Noelani Kalipi (Gov. Appointee/Chair)  
Cyd Miyashiro (Gov. Appointee/Vice Chair)  
Gordon Bruce (Gov. Appointee)  
Nathan Tsao (Tenant Representative)  
Alan Hilton (RAC Chair)  
John Wiltshire (RAC Secretary)  
Dennis Lin (County of Hawaii)  
Dick Jones (Tenant Representative)  
Jaclyn Kaina (HTDC)  
Russell Tsuji (DLNR)  
Dave Molinaro (DBEDT)

### **Board Members Not Attending and Excused**

Dr. Vassilis Syrmos (University of Hawaii)

### **Guests/Staff Present**

Laurence Sombardier (NELHA)  
Alexander Leonard (NELHA)  
Keith Olson (NELHA)  
Pam Madden (NELHA)  
Jennifer Rasmussen (NELHA)  
Rae Nguyen (NELHA)  
Sherry Ortiz (NELHA)  
Faustine Edge (NELHA)  
John Cole (AG)  
Kaliko Chun (DHHL)  
Tom Fee (HHF)  
Gerald Heslinga (Indo-Pacific Sea Farms)  
Mark Ladao (Hawaii Public Radio)  
Malia Louis (County of Hawaii)  
Jeff Zimpher (National Park Services)  
Joe Coury (Sea Dragon Energy Inc.)  
Stefan Sillen (Sea Dragon Energy Inc.)  
Adrian Barfield (Sea Dragon Energy Inc.)  
Suzanne Shaske (Sea Dragon Energy Inc.)  
Alexia Akbay (Symbrosia)

73-4460 Queen Kaahumanu Hwy., #101, Kailua-Kona, Hawai'i USA 96740-2637  
Phone: (808) 327-9585 Fax: (808) 327-9586 Email: [nelha@nelha.org](mailto:nelha@nelha.org) Website:  
<http://www.nelha.hawaii.gov>

**Full Board meeting recording available at:**

**Video Recording Part A:** <https://youtu.be/hNIhkt7hVK4>

**Video Recording Part B:** <https://youtu.be/OTkYDcehtWs>

- **Item 1. (1:00 p.m. Video Part A run time 0:03:01) Call to Order.**

The meeting was called to order by Chair Noe Kalipi (Chair Kalipi) at 1:00 p.m. Chair Kalipi asked Interim Executive Director (ED) Sombardier for a roll call of Board members and NELHA staff. Reference to Act 220. Eleven members present and one excused.

**Director Hilton joined the meeting at 1:02 p.m.**

- **Item 2a. (1:05 p.m. Video Part A run time 0:08:09) Approval November 19, 2024, NELHA Board of Directors' Meeting Minutes.**

Chair Kalipi opened this item for discussion. Director Wiltshire moved to approve the November 19, 2024, meeting minutes, and the motion was seconded by Director Tsuji (1:05 p.m. Video Part A run time 0:08:32). The minutes were approved. (11-0) (1:06 p.m. Video Part A run time 0:08:50).

- **Item 2b. (1:06 p.m. Video Part A run time 0:08:56) Approval December 11, 2024, NELHA Board of Directors' Meeting Minutes.**

Chair Kalipi asked for a motion to approve the December 11, 2024, Non-Executive Session Meeting Minutes. Director Tsao made the motion and Director Wiltshire seconded the motion (1:07 p.m. Video Part A run time 0:09:01). The minutes were approved. (11-0) (1:08 p.m. Video Part A run time 0:10:45).

- **Item 2c. (1:08 p.m. Video Part A run time 0:10:53) Approval December 11, 2024, NELHA Board of Directors' Executive Session.**

Chair Kalipi asked for a motion to approve the December 11, 2024, Executive Session Meeting Minutes. Director Wiltshire made the motion and Director Tsao seconded the motion (1:08 p.m. Video Part A run time 0:10:59). The minutes were approved. (11-0) (1:09 p.m. Video Part A run time 0:11:24).

- **Item 3. (1:09 p.m. Video Part A run time 0:11:37) Public Testimony.**



Chair Kalipi opened the floor to any public testimony or any open items not on the agenda. No one came forward.

- **Item 4a. Old Business. (1:12 p.m. Video Part A run time 0:14:42) Decision Making regarding candidates for the NELHA Executive Director Position for the Hiring of the NELHA Executive Director. \*\***

Chair Kalipi called for a motion to go into Executive Session. Director Hilton made the motion and Director Tsuji seconded the motion (1:12 p.m. Video Part A run time 0:14:52) The motion was approved (11-0) (1:13 p.m. Video Part A run time 0:15:22)

- **Item 4b. Old Business. (1:44 p.m. Video Part B run time 0:00:48) Approval and Decision Making for Sea Dragon Energy, Inc. five-year project to demonstrate technology producing fuels from seawater.**

Chair Kalipi introduced this agenda item. Director Tsao motioned to table this agenda item to the next scheduled board meeting. Director Tsao explained that he was voted to the Board by NELHA Tenants, and that a tenant made the request to him because they did not have ample time to review, nor did they receive notification before this board meeting. Director Jones seconded the motion. (1:45 p.m. Video Part B run time 0:01:12). After public and board discussion on this motion, the Board decided to proceed with hearing the presentations and at that point decide whether decision making would be differed. (1:55 p.m. Video Part B run time 0:10:56).

ED Sombardier presented the staff summary and recommendations, and turned over to Mr. Adrian Barefield, Program Manager, SDEI to present an overview of the project. Director Hilton provided the Research Advisory Committee's review summary of the project. Chair Kalipi opened to Public Testimony, and Ms. Alexia Akbay, CEO Symbrosia testified. The Board Members and meeting attendees were provided with the opportunity to ask questions. After some discussion, a roll call vote was taken (2:43 p.m. Video Part B run time 0:59:30) to defer decision making till the March meeting: Aye – Directors Jones, Molinaro and Tsao. Nay – Chair Kalipi, Vice Chair Miyashiro, Directors Bruce, Hilton, Kaina, Lin, Tsuji and Wiltshire. The motion did not pass (3-8) (2:45 p.m. Video Part B runtime: 1:01:50).

Director Hilton moved to approve SDEI's five-year project to demonstrate technology producing fuels from seawater. Director Tsuji seconded the motion. Director Hilton amended his motion to include in any NELHA contracts, conditions for water testing and mitigation to ensure the safety and health of the water and natural resources. (2:45 p.m., Video Part B run time 1:01:56). The motion was approved with amendments with one opposition from Director Jones (11-1) (2:49 p.m., Video Part B

run time 1:05:53).

- **Item 5a. (2:50 p.m., Video Part B run time 1:06:18) New Business. Create a Permitted Interaction Group, pursuant to HRS §92-2.5(b)(2), for the purpose of providing guidance and input to the NELHA Master Plan update work under contract by NELHA - Discussion and Decision Making.**

ED Sombardier presented this agenda item. Chair Kalipi asked for any Board Members interested in serving in the Permitted Interaction Group (PIG) for the NELHA Master Plan. Chair Kalipi asked for a motion to establish the PIG for the NELHA Master Plan with the following members: Chair Kalipi, Vice Chair Miyashiro, Director Bruce, Director Tsuji, a Director Representative (Director Wicker or Director Molinaro) from DBEDT Director's Office and a Director Representative from the County. Director Hilton made the motion, and Director Tsuji seconded the motion (3:03 p.m., Video Part B run time 1:19:42. The motion carried (11-0) (3:04 p.m., Video Part B run time 1:20:47).

- **Item 5b. (3:02 p.m. Video Part B 1:18:31) Discussion and Decision Making regarding nomination of Dr. Terry Surles to be appointed to the Research Advisory Committee.**

Due to meeting going over time, deferred to the next scheduled board meeting, March 18, 2025.

- **Item 6. Financial Report (3:02p.m. Video Part B run time 1:18:41): Approval and Decision Making.**

ED Sombardier briefly summarized Item 6. Financial Report as time was limited. She added that there were no pressing issues. There were no questions from the Board.

- **Item 7. (3:05 p.m.) Video Part B run time 1:21:07) Executive Director's Informational Status Report on ongoing projects including: 2025 Legislative session, research campus leases, new leases under discussion; water quality and seawater system maintenance; offshore deep seawater pipe removal planning and design; regional seawater air conditioning planning and design; new potable water supply update; aquaculture accelerator and investment fund initiative; grant applications; new Mauka Research Campus; renewable distributed energy resources initiative for microgrid; and, solar desalination; Executive Director Search; contracts and agreements including master plan and EIS update.\***

Due to meeting going over time, ED Sombardier provided a short update on legislative Items pertaining to NELHA as the subject was brought up earlier in this board meeting.

- **Item 8. (3:11 p.m. Video Part B Run time 1:25:35) Announcements**

- a. Date of the next regularly scheduled meeting is Tuesday, March 18, 2025 at 1:00 p.m.
- b. Start time for NELHA Board Meetings in 2025 shall be moved to 1:00 p.m. unless otherwise indicated.

- **Item 9. (3:11 p.m. Video Part B runtime 1:26:10) Adjournment.**

Chair Kalipi adjourned the meeting at 3:11 p.m. (Video Part B runtime 1:26:10).

###

## Item 4.

### Old Business

- a. Discussion and Decision Making regarding nomination of Dr. Terry Surles to be appointed to the Research Advisory Committee.

## **Agenda Item 4.1.**

### **Discussion and Decision Making regarding nomination of Dr. Terry Surles to be appointed to the Research Advisory Committee.**

**DATE:** March 18, 2025

#### **SUMMARY:**

The Executive Director and RAC Chair are nominating Dr. Terry Surles to the NELHA Research Advisory Committee (RAC).

Dr. Surles has a long and distinguished career with extensive professional achievements and expertise in areas that are relevant to NELHA activities, specifically the energy sector.

Dr. Surles has worked extensively with HNEI, was the Hawaii State Energy Office Interim Administrator in 2017 and recently completed a report reviewing NELHA's activities relating to energy to provide recommendations on how NELHA can assist with reaching State energy goals.

His one-page CV and detailed resume are attached.

#### **NELHA STAFF RECOMMENDATION:**

It is recommended that the NELHA Board of Directors pass a motion to approve Dr. Terry Surles as a new member of the RAC.

Attachment (2)



Terry Surles, Ph.D.

Dr. Surles is consultant to Hawaii Natural Energy Institute (HNEI) as part of HECO's Integrated Grid Planning process. He led analysis for 2023 five-year report of state RPS status. He was co-author for life-cycle analyses of energy systems for Hawaii PUC as well as analyses of disposal and recycling of solar panels and storage systems as requested by legislature. Consulted with Stanford University evaluating California's ability to meet its carbon neutrality goals, which required meetings with leadership in CPUC, California Energy Commission (CEC), and CARB. He has consulted with CPUC on expediting disputes related to interconnection issues, analysis and policy development for demand response, energy efficiency, electric vehicle, storage, and biomethane technologies, and life-cycle analyses of energy efficient technologies. He worked for Asian Development Bank (Malaysia and Indonesia) in 2019 and 2020. Since 2013 for APEC, he contributed to analyses of wind development in Vietnam, review of fossil energy and energy efficiency programs in Peru, Chile, and Indonesia, and energy system analyses for China, Taiwan, Korea, Chile and Vietnam. Other clients include IEA, East-West Center, NELHA, UK Energy Research Centre, PNNL, TRW, and State of Victoria. In 2016, he led review of USDOE national laboratory capabilities for USDOE's Grid Modernization Initiative.

He was interim Administrator for Hawaii State Energy Office in 2017, working with utilities, NGOs, the legislature, and the Governor's Office. From 2013 to 2015, he led Clean Energy Solutions for UH College of Social Sciences. From 2010 to 2012, as Desert Research Institute Executive Vice President, he led three divisions and four research centers in energy and environment systems. From 2006 to 2010, he was HNEI's Technology Integration and Policy Analysis Lead, focusing on policies and deployment for grid integration of renewable resources. From 2004 to 2006, he was Vice President at EPRI focusing on air quality, health, energy/water nexus, and climate change issues. From 2000 to 2004, he was at CEC as R&D Program Director with emphasis on energy efficiency, renewable energy, grid modernization, energy storage, and regional climate assessment. He took this position on leave from Lawrence Livermore National Laboratory where he was Associate Laboratory Director for Energy Programs from 1998 to 2000, focusing on energy efficiency, nuclear materials protection and disposal, energy storage, and climate change science. In 1997 and 1998, he was Deputy Secretary for Science and Technology at CalEPA. From 1978 to 1997, he was at Argonne National Laboratory with his final position being General Manager for Environmental Programs (\$125M). Major program areas included energy systems analysis, climate change science, risk analysis and assessment, emergency planning and response, hazardous waste cleanup, and energy and environmental modeling and policy analysis.

Dr. Surles received his Ph.D. in Chemistry from Michigan State and has more than 400 publications, technical reports, and presentations. He has served on a number of advisory committees (currently on two NREL Advisory Panels), including six appointments with the National Research Council.

# Terry Surles

## Education

- Ph.D. 1970 Chemistry, Michigan State University
- B.S. 1966 Chemistry, St. Lawrence University

## Professional Experience

### 1999 – Present: Consultant

Serving (2018 to present) as a consultant to **Hawaii Natural Energy Institute** supporting various energy systems development initiatives, including support to Hawaiian Electric Company's Integrated Grid Planning Technical Advisory Group. Co-author for the PUC-mandated report on greenhouse gas life cycle analyses for energy resources and technologies. Assisted in development of legislatively-mandated report for estimating ability of state's utilities to meet 2020 Renewable Energy Portfolio Standard (RPS) goals, as well as leading the most recent update for 2025 RPS status. Supported the legislatively-required analysis and report for recycling lithium-ion batteries and used solar panels. This effort included setting up meetings with California regulators (DTSC) and a visit to Redwood Materials in Nevada. Supporting HNEI in developing new business contacts with DOE national laboratories. Supported HNEI in development of mandated report on Barrel Tax activities in 2020 and 2023.

Serving (2019 to present) as energy policy consultant to **Stanford University**. Served as mentor to Stanford student intern in 2023 to the Hawaii Public Utilities Commission, In November 2022, coordinated meetings as well as making a presentation on the energy situation in Hawaii for Stanford class "Sustainability on the Big Island." Served as co-lead for Stanford Sophomore Classes, "Energy in Hawaii" in 2019 and 2022. For these activities, set up meetings in Hawaii with energy companies, state agencies, NGOs, the university, and with Governor Ige both in their offices and at field locations. In 2019, set up meetings in Bay Area with companies deploying innovative technologies being demonstrated in Hawaii. Supported the Bill Lane Center for the West in comparing aspects of Investor Owned Utilities and Publicly Owned Utilities in California. Served as consultant evaluating California's ability to meet its carbon neutrality goals by arranging and conducting interviews across a broad spectrum of government, private sector, and academia for obtaining broad consensus as to how best to move forward in achieving these goals. Followed up on these activities by developing approaches to address issues associated with industrial concerns. Lead author of the report based on these interviews and follow-on workshop. Most recently, (April 2024) gave a seminar on challenges associated with meeting carbon neutrality goals.

Consultant to **National Renewable Energy Laboratory (NREL)** (2021 to present) as one of two non-laboratory members on the Laboratory Directed Research and Development (LDRD) Selection Committee. Offer outside perspectives on LDRD proposals vis a vis what other national laboratories are doing and in the context of national energy, environmental, societal and economic trends.

Consultant to **Asia-Pacific Economic Collaboration** (2013 to present) to address energy issues in emerging economies. Was technical lead for evaluating removal of fossil energy subsidies in Peru in 2014. In 2019, part of the analysis of how Peru could upgrade and improve

the management of their national energy efficiency programs. Was part of a review of Indonesian energy efficiency practices conducted in 2021. In 2024 was part of a review of Chile's energy efficiency programs. Developed case studies report for wind power development in which results provided "lessons learned" to APEC and Vietnam. Continue to support other APEC activities in China, Taiwan, New Zealand, Chile, and Korea.

Served (2021 to 2023) as a consultant to the **US Department of Energy's (DOE) Office of Electricity** through a subcontract with Pacific Northwest National Laboratory. Developed materials to provide guidance on how DOE can better support state and local governments in achieving federal goals of carbon neutrality.

Served (2018 to 2020) as consultant to **Asian Development Bank** in evaluation of renewable energy planning and deployment in Malaysia. Supported a project in Indonesia for developing new regulatory agency processes and practices. Co-authored report for Malaysia and was the sole author for the Indonesia report.

Currently developing recommendations for updating **NELHA's** energy plan in response to legislative request as funded through **HNEI**. Served as consultant to **NELHA** (2016 and 2018) for organizing speakers and agenda for NELHA Energy Storage Conferences held in those years. Continue to serve as an advisor to the NELHA Interim Executive Director through funding provided by HNEI. When under contract to PICHTR (2013), co-wrote report for NELHA's strategic plan for future energy programs.

Was the lead consultant to **Booz, Allen, Hamilton** (2015 to 2016) – under contract to DOE - in evaluating DOE national laboratory capabilities to address the Grid Modernization Initiative started by Secretary Moniz. Program required substantive assessment of laboratory capabilities to develop new electricity systems for incorporation into grid through 2025 as well as interaction with industry developers, utilities, and regulators. The ensuing report was delivered by USDOE to Congress.

Lecturer for **United Kingdom Energy Research Centre** Summer Session (2010 to 2015). and was the lead speaker from 2013 to 2015 in providing an energy systems overview to the graduate student participants. Additional presentations were given on electricity generation, renewable energy systems, energy storage, Smart Grid, and carbon capture and storage technologies.

Consultant to the **International Energy Agency** (2015 to 2016) in providing comparisons of electricity systems integration in the United States as these relate to Southeast Asian countries in developing multi-national grids in ASEAN countries. Specific analyses focused on how FERC, NERC, and RTO/ISO processes and procedures in the continental United States were analogous to developing a multi-national grid between Laos and Singapore.

Consultant to the **Department of Primary Industries, State of Victoria**, Australia (2009 to 2012), in evaluating proposals for the demonstration, deployment, and commercialization of renewable energy technologies and in formulating new approaches for the management of energy programs.

Served on the **ACIL Tasman** team for Victoria's Department of Primary Industries (2010 to 2011) in examining international trends related to public/private partnerships for development, demonstration, and deployment of energy technology systems.

Served as consultant to **East-West Center** (2007 to 2010) in developing programs related to energy use and technology deployment in the Northeast Pacific that were co-funded by Korean Energy Economics Institute. This included working with Korean leadership to recruit



speakers for the workshops. Part of this effort was to arrange for speakers as well as making several presentations myself.

Consultant to **California Public Utility Commission** (2005 to 2006) in evaluation of possible regulations and incentives associated with minimization of water use (water/energy nexus) and promoting new forms of solar energy technologies, such as multi-cellular technologies.

Consultant to **TRW** (1999) as their laboratory director-designee for a multi-billion dollar bid to manage Idaho National Laboratory. While bid was unsuccessful, personally received high marks from decision-makers who evaluated the bid package.

### **2007 – 2011 and 2013 – 2024: Senior Advisor, California Institute for Energy and Environment (CIEE)**

Senior Advisor for CIEE/LBNL component of the advanced demand response rule-making at CPUC, which involves integrating demand response analyses with CPUC's Integrated Grid Planning process. Led the \$2M CIEE program for CPUC on energy efficiency, energy storage, electric vehicle impacts, biomethane utilization, and demand response analyses. Another focus of this program includes supporting life cycle analysis of energy efficient technologies as well as evaluation of technologies and policies to assist California in reaching zero net carbon goals for new and existing residential housing. Led the legislatively-mandated program for expedited dispute resolution for new generation and energy storage interconnections.

Served as Senior Advisor in CIEE (2007 to 2011) by leading the Technical Advisory Team in support of the Carbon Sequestration (CCS) Blue Ribbon Panel convened by four California state agencies to evaluate possible institutional and regulatory policies for CCS projects in the state. Coordinated speakers for presentations to the panel. Lead author for the extensive background report following completion of panel meetings. Worked with California Energy Commission (CEC) to develop \$90M successfully funded proposal to USDOE for Phase III of the West Coast Carbon Sequestration Regional Partnership.

### **2017: Interim Administrator, Hawaii State Energy Office (HSEO)**

Requested by Governor's Office to lead HSEO on an interim basis following departure of previous Administrator. In this role, provided direction to four branches of the office, advised the Department of Business, Economic Development and Tourism Director, and provided direct advice and information to Governor Ige, his advisors, and Chief of Staff. Successfully led the office and worked with key legislators through the legislative session in terms of supporting bills that were needed and opposing those that were not. Worked with Branch Chiefs to develop a strategic plan for moving forward with permanent Administrator. Made several presentations at the request of Governor's Office.

### **2013 – 2015: Lead, Clean Energy and Environmental Solutions, University of Hawaii**

Led effort to provide support to state agencies and private sector for deploying renewable energy and energy efficient systems, while being able to maintain grid integrity and power quality. Received funding from NELHA that led to collaborations with Sandia and Pacific Northwest National Laboratories to develop energy storage demonstrations at NELHA. Collaborations with international partners included interactions with and funding from groups such the Renewable Energy Foundation in China. As part of this effort made several requested

presentations to utility executives in Beijing and on Hainan Island. Obtained funding from APEC in coordinating its expert working group meetings for renewable energy and energy efficiency and Northeast Asia Economic Forum in Far Eastern Russia and Korea.

**2010 – 2012: Executive Vice President for R&D, Desert Research Institute**

Led R&D activities for Hydrological Sciences, Atmospheric Sciences, and Ecological and Earth Sciences Divisions and four Centers: Clean Technologies and Renewable Energy, Watersheds and Environmental Sustainability, Advanced Visualization, Computation, and Modeling, and Environmental Remediation and Monitoring. Led efforts with state-based water authorities in developing approaches for addressing water/energy nexus issues. Convened and led energy systems workshop for hard rock mining industry to provide information for energy technology choices. Key research areas included:

- climate change modeling, measurement, and assessment
- forest fire/climate/meteorology relationships and modeling
- air quality/air pollutant characterization
- atmospheric processes, including development of advanced instrumentation
- hydrological studies on arid lands and desertification – regionally and world-wide

**2006 – 2010: Technology Integration and Policy Analysis Program Manager, Hawaii Natural Energy Institute**

Responsible for analyzing impacts of new energy technologies on Hawaii’s grid, environment, economy, and society. Developed energy technology demonstration and deployment programs for reducing state dependence on oil. Projects required close working relationships with utilities, state agencies, DOE laboratories, and industry technology providers.

Developed and led winning proposal for competitively awarded \$15M Maui Smart Grid project focused on peak demand reduction and grid stability leading to deployment and integration of variable renewable energy technologies, demand side management, energy storage, telecommunications, and information systems technologies.

Worked closely with Hawaiian Electric Company (HECO) in evaluating insertion of variable wind and solar technologies, including evaluation of inter-island cables to bring large-scale wind to Oahu from Molokai and Lanai.

Supported other State initiatives, such as:

Evaluation of Renewable Portfolio Standard goals for Hawaii PUC for 2010 which led to changes in state mandated goals;

Wrote the competitively awarded USDOE-funded State Energy Grant program on accelerating renewable systems into the grid for State Energy Office;

Co-wrote the competitively awarded USDOE contract that made the University of Hawaii one of two ocean energy research center in the country

Presented plenary talk to Hawaii State Legislature on climate change status and potential impacts;

Gave invited presentation as requested by State of Hawaii on renewable energy and energy efficiency to Association of Pacific Island Legislatures in Saipan;

Supported the State Green House Gas Task Force by correcting the state emissions inventory for greenhouse gases;

Taught classes as requested by College of Social Sciences economics professors that focused on energy technologies and climate change;

Led the formulation of language that resulted in legislation (2007) that placed HNEI in statute which, in turn, later led to HNEI being funded by the state barrel tax in 2012.

#### **2004 – 2006: Vice President, Electric Power Research Institute**

Recruited to serve as Vice President of Electricity Innovations Institute. After re-organization, was Vice President of the Environmental Sector and posted first gain in funding for that Sector in ten years. Was responsible for developing partnerships between international, federal, state agencies, and the private sector to address strategic energy technology needs.

Areas focused on:

- Climate change assessment and related technology development
- Smart Grid modernization and critical infrastructure security
- Energy/water nexus
- Air quality and public health

#### **2003 - 2005: President and Chief Executive Officer, Pacific International Center for High Technology Research - Board of Directors Member from 1999 to 2014**

Responsible for programs supported by Japanese and American governments and private sector. Led collaboration with Mitsubishi Heavy Industries for demonstrating new photovoltaic modules and small wind turbines in on the Big Island of Hawaii. Another Japanese-funded program was for the installation of solar home energy systems in Fiji. Additional program areas included supporting DOE, DOD, and USDA for work conducted in the State of Hawaii.

Developed language for the Senators Inouye and Domenici initiative to fund Hawaii-New Mexico technology programs examining grid integration of new energy systems for energy security, reliability, and reduced greenhouse gas emissions. Led this effort for the Hawaii part of the program after moving to HNEI in 2006.

As a consultant to PICHTR, led a study (2006) for emergency response on the Big Island after obtaining funding from Department of Homeland Security through Argonne National Laboratory. Also served as consultant to PICHTR in co-authoring NELHA's Strategic Energy Plan (2013).

#### **2000 – 2004: Public Interest Energy Research (PIER) Program Director and Assistant Director for Science and Technology, California Energy Commission**

Recruited as PIER Program Director under an Interagency Jurisdictional Exchange (IJE) with the University of California. Responsible for coordination and management of \$62M program for energy R&D activities. Provided strategies and management direction for program activities. Specific areas included:

- Development and deployment of electricity systems for renewable energy, efficient low emission fossil fuels, and energy storage.
- Development and deployment of energy efficient, demand response, and demand side management technologies, focusing on building and appliance efficiency and industrial process improvements.
- Formed and funded the Demand Response Research Center at Lawrence Berkeley National Laboratory, the California Lighting Technology Center at UC/Davis, and SPEED – the multi-campus testing and deployment program for new energy efficient systems.

- Development and deployment of technologies for enhancing transmission and distribution system reliability and resiliency focusing on communications, controls, and information systems.
- Led environmental research and assessment activities and started the Regional Climate Change Assessment Program which included a focus on adaptation – the first of its kind in the nation.
- Led the development of the competitively-awarded multi-state West Coast Regional Carbon Sequestration Partnership and led partnership as the Executive Director.

**1998 – 2000: Associate Laboratory Director for Energy Programs, Lawrence Livermore National Laboratory (LLNL)**

Responsible for management of energy systems and related nuclear materials programs. Specific areas included:

Led LLNL portion of the Yucca Mountain activity which focused on materials science for containment of radioactive materials and sub-surface geotechnical analyses.

Led multi-laboratory (Livermore, Los Alamos, Sandia) nuclear materials disposition and management program that incorporated aspects of advanced security, information technology, and nuclear science and engineering in evaluating management requirements for radioactive materials generated from weapons development, clean-up, and energy production activities.

Led development of winning projects in DOE Nuclear Science Program focused on development of small-scale modular systems, while leading technology development for the nuclear fuel cycle, particularly in regard to long-term containment and disposal options, with an emphasis on new materials R&D.

Led the development of the winning proposal for multi-laboratory (with LBNL) Ocean Carbon Sequestration Center. Was requested by USDOE leadership to retain this role following IJE appointment at the California Energy Commission.

Development of classified enhanced safeguards technologies for nuclear materials security at specific DOE locations.

Co-led the development of the winning proposal for the multi-laboratory (with LBNL and ORNL) Carbon Sequestration Center.

Development of new energy technologies associated with generation, storage, and end-use of electricity, including battery design, fuel cells, and carbon sequestration.

Development of new geotechnical capabilities for production and characterization of oil and gas reserves, including methane hydrates and heavy oil, as well as modeling, simulation, and transport of radionuclides in various disposal and retrieval scenarios.

**1997 – 1998: Deputy Secretary for Science and Technology, California Environmental Protection Agency (Cal/EPA)**

Appointed by Governor Pete Wilson. Had responsibility for the following activities:

- Led California's technology certification program. First-of-kind program received national awards for government innovation. Areas included remediation technology, efficient and renewable energy systems, pollution control and prevention technologies, characterization and measurement technologies, and water pollution control technologies.
- Started ISO 14000 collaborative effort with industry for developing effective environmental protection and management mechanisms in conjunction with California

Environmental Business Council, which led to US-AEP project in Thailand using state's expertise for incorporating ISO 14000 into management of a major industrial complex.

- Developed scientific peer review process for evaluating scientific data and models that form the basis for regulation. Coupled requirements for risk assessment, benefit analysis, and economic analysis with integrated scientific approaches to standard setting. The ensuing report was cited for its clarity.
- Coordinated Cal/EPA activities with the US Department of Defense by serving as co-chair of California/Military Environmental Coordinating Committee to better facilitate compliance and cleanup activities for military bases in the state.

### **1993 – 1997: General Manager, Environmental Programs, Argonne National Laboratory**

Led 500+ staff in a multidisciplinary (engineering, economics, environment) organization whose projects ranged from policy analysis to technology deployment. Budget reflects growth from \$4M in 1980 to \$125M in 1995. Developed new program areas and initiatives in energy and environmental research, assessment, and policy analysis for three divisions and two programs. Chaired laboratory-wide Environmental Oversight Committee for Argonne site clean-up. Interacted with eleven other laboratories as the lead for both the Environmental Management Strategic Laboratory Council and the Sustainable Energy Working Group.

Programs included:

- Multidisciplinary global climate change research and assessment activities.
- Expert systems development and integration for large-scale governmental planning.
- Decision analysis and portfolio planning for R&D program selection.
- Economic, technological, and regulatory analysis for energy and environmental issues.
- Environmental Impact Statements for complex energy and security projects.
- Energy and environmental systems assessment (domestic and international) and policy studies associated with technology evaluation, impacts, and trade-offs.
- Field (including urban brownfields) and laboratory studies of hazardous waste sites.
- Emergency planning for radiological, natural, and hazardous materials emergencies.
- International studies, including energy technology and environmental management initiatives in Asia-Pacific, with a focus on China.

Logistics analysis and model development for the Joint Chiefs of Staff

- Development of risk analysis and management tools and procedures for human health, ecological, and financial risk, including being Lead for DOE/EM Center for Risk Analysis.
- Resource management focusing on energy and water resources.
- Critical infrastructure protection, which included staffing President's Council on Critical Infrastructure Protection in 1997.
- Personally led DOE Office of Policy project focused on sustainability initiatives starting in 1995.

### **Previous Positions at Argonne National Laboratory**

1989–1993      Division Director for Environmental Assessment and Information Sciences Division

1985–1989      Deputy Division Director for Energy Technology and Resource Assessment - Energy and Environmental Systems Division

1980–1985 Associate Division Director for Integrated Assessments and  
Policy Evaluation - Energy and Environmental Systems Division  
1978–1980 Program Manager - Energy and Environmental Systems Division

### **Other Professional Experience**

1977 - 1978 Vice President, Environmental Sciences Division, Camp Dresser & McKee  
(CDM) Acculabs, Denver, Colorado  
1974 - 1977 Manager, Milwaukee Office, Environmental Sciences Division of CDM,  
Milwaukee, Wisconsin  
1973 - 1974 Senior Chemist, Varian Instrument Division, Palo Alto, California  
1970 - 1973 Assistant Professor of Chemistry, Rockford College, Rockford, IL  
1969 – 1970 Science teacher (and basketball coach), Upward Bound, University of Illinois  
At Chicago Circle

### **Invited Memberships on National Committees and Review Groups**

- Member, National Research Council (NRC) Committee on Evaluation of Net Energy Metering, 2022 - 2023
- External Member, National Renewable Energy Laboratory Energy Systems Integration Laboratory-Directed R&D Review Panel, 2021 to present. (listed in consultant section)
- Member, National Renewable Energy Laboratory (NREL) Energy Systems Integration Technical Review Panel, 2020 to present.
- Presenter (invited), NRC Committee in Support of USDOE Quadrennial Energy Review, 2016
- Member, NRC Committee on Energy Resource Potential on DOE Lands, 2014 - 2017
- Member, NREL Advisory Panel on Distributed Energy Systems and Grid Integration, 2012
- Expert Reviewer, United States Special Review of the IPCC Report on Renewable Energy Resources and Climate Change Mitigation, 2010
- Member of Merit Criteria Review Committee for Energy Storage Systems as part of ARRA solicitations, US Department of Energy, 2009
- Member, NRC Committee for the Evaluation of Environmental, Economic, and Social Externalities Associated with Energy, 2008 – 2010
- Member, CEC Advisory Panel for Grid Integration of Renewable Systems, 2008 - 2011
- Expert Reviewer for NRC report on Future Renewable Energy Systems, 2008
- Expert Reviewer for GAO on Carbon Offsets, 2008
- Expert Reviewer, US Climate Change Science Program on Effects of Climate Change on Energy Production and Use in the United States, 2006
- Member, NRC Committee for Development of Methodology for Evaluating Prospective Benefits of United States Department of Energy Programs (as well as separate supporting technical panels), Phases I and II, 2004-2007.
- Member, United States DOE panels for review of strategic planning activities for electricity systems, distributed energy resources, and climate change, 2002 - 2008.
- Member, Gas Technology Institute Public Advisory Committee, 2001- 06.
- Member, Technical Review Committee for Long Term Back-End Nuclear Fuel Cycle Strategies, IAEA, Vienna, Austria, 2000.

- Member (as technical expert), NRC Committee for Research to Protect, Restore, and Manage the Environment, 1991-1993.

### **Legal Testimony**

1. Atomic Safety and Licensing Board Hearings, Shoreham, 1987. Supported Federal Emergency Management Agency depositions through preparation and review of testimony.
2. Rhine Industries, Inc. vs. Rhine International Sales, Inc., American Arbitration Associates, 1979. Testimony for arbitration officer to address plaintiff's issues.
3. State of Indiana vs. General Motors, 1977. Preparation of testimony materials for defendant related to PCB discharges
4. County of Milwaukee vs. Ross-American, 1977. Testimony preparation for plaintiff on effects of creosote discharge
5. Illinois Environmental Protection Agency vs. Chrysler Corporation, Illinois Stream Pollution Control Board, 1977. Testimony at hearings requested by Chrysler Corporation for variance proceedings
6. The State of Wisconsin vs. Master Disposal, State of Wisconsin, 1977. Preparation of testimony concerning effects of landfill on aquatic environment
7. The State of Illinois and Chicago Metropolitan Sanitary District vs. United States Steel, U.S. District Court, Chicago, 1977. Preparation of evidence and deposition on a study of Grand Calumet River, Indiana Harbor Canal, and Southern Lake Michigan.

### **Congressional Testimony**

Prepared and presented testimony before the Hearing on Climate Change Impacts and Responses in Island Communities before the Senate Committee on Commerce, Science, and Transportation, March 2008

### **Publications, Technical Reports, and Presentations**

Dr. Surlis has over 400 publications, technical papers, and presentations. A listing is available on request.

### **Selected External Positions**

**Served on Mendocino Land Trust Board (2022 – 2023)**

**Elected to Albion-Little River Volunteer Fire District Board (2017 – 2021)**

**Elected to Plainfield, Illinois School Board (1989 – 1993)**

**Served on Bolingbrook, Illinois Soccer Club Board (1983 – 1987), President (1985 – 1987)**

**Licensed soccer referee (1983 – current)**

Item 6.

Financial Report:  
Approval and Decision Making



**NATURAL ENERGY LABORATORY OF HAWAII AUTHORITY**

**Financial Report Summary**

July 2024 through February 2025

**FY 2025 Revenue vs. FY 2024 Revenue: (See Appendix A for Details)**

- Total revenue for the first eight months of FY25 was approximately \$3,257,000. This reflects a 4.3% decrease over the same period last year. Of notice for FY25 are the following:
  - Overall, seawater system revenue is up by approximately \$41,000 or 3.6%. This is mainly due to an increase in deep sea water usage combined with higher electricity rates increasing the electrical surcharge over the same period last year.
  - HOST Park technical park lease rent decreased by 10.7% due in large part to the loss of two larger projects (Forever Oceans and Blue Ocean Barns) and a reduction in space by Big Island Abalone. This was offset by an increase in research campus lease rent by 12%. Office leases rent stayed mostly flat although there is a small decrease due to transition time for new office users as we remain close to full office occupancy (currently only one small office is available for lease).
  - Labor services remained lower than last year by approximately \$42,000 or 56% less than the same period last year. The bulk of this difference comes from a reduction in work requested by the Department of Health (a Kona coast water quality special study ended and a regular sampling project from Kauai has been on hold due to staffing shortages by DOH).
  - Reduced reimbursements for electric are almost exactly offset by increased freshwater reimbursements.
  - Interest Income/Investments is essentially flat.

**FY 2025 Expenditure vs. FY 2024 Expenditure: (See Appendix B for details)**

- Total expenses for the first two months of fiscal year 2024 were approximately \$3,033,000, a 3.8% decrease from last fiscal year. We continue to monitor expenditures very closely. Of note are the following:
  - Seawater system expenditures were down by approximately \$101,000 or 11%. A large 30.9% decrease in personnel costs (amounting to approximately \$127,000) is offset by increased electrical costs and repair and maintenance costs. Staffing for the operations department continues with ongoing interviews and hires. One person has been hired since the last January 2025 Board meeting and another is expected

Item 6. Financial Report Summary – March 18, 2025

to start next week. Finally, interviews have been completed for the operations supervisor position.

- Total tenant utilities were close to flat with a 1.3% decrease overall. However, this reflects a 39% increase in freshwater offset by a 21% decrease in tenant electrical usage.
- NELHA utilities remained flat with a small 0.4% increase. NELHA used 30% less freshwater. But also utilized more power to meet the increased sea water demand.
- HOST Park ground maintenance and monitoring decreased due to reduced personnel costs under the operations group as well as decreased purchase of supplies. Limited operations staff time has instead been diverted to the maintenance of the beach park.
- Environmental monitoring expenses increased by 11.2% as services have been engaged to address water quality concerns by hatcheries.
- Beach Park Maintenance increased by 25.7% as usage of the beach park continues to be high and requires increasing amounts of supplies and attention from our operations department.
- Administrative expenses increased a little by approximately \$22,700 (2%). This is large part due to increased personnel costs of approximately \$72,000 (or 8%) which was in part due to union mandated salary increases and the first tranche of hazard pay, offset by other admin expense areas decreases.

**Special Fund Account Summary (See Appendix C for details)**

- Special fund balance is \$1,091,986.02. It is expected this balance will be significantly lowered when the next financial report is presented as encumbrance for the 1-year security services and Kau pipeline removal contracts will be reflected at that time. The remaining hazard pay (for non – UPW staff) will also take place in March.

**Arrears Report: (See Appendix D for details)**

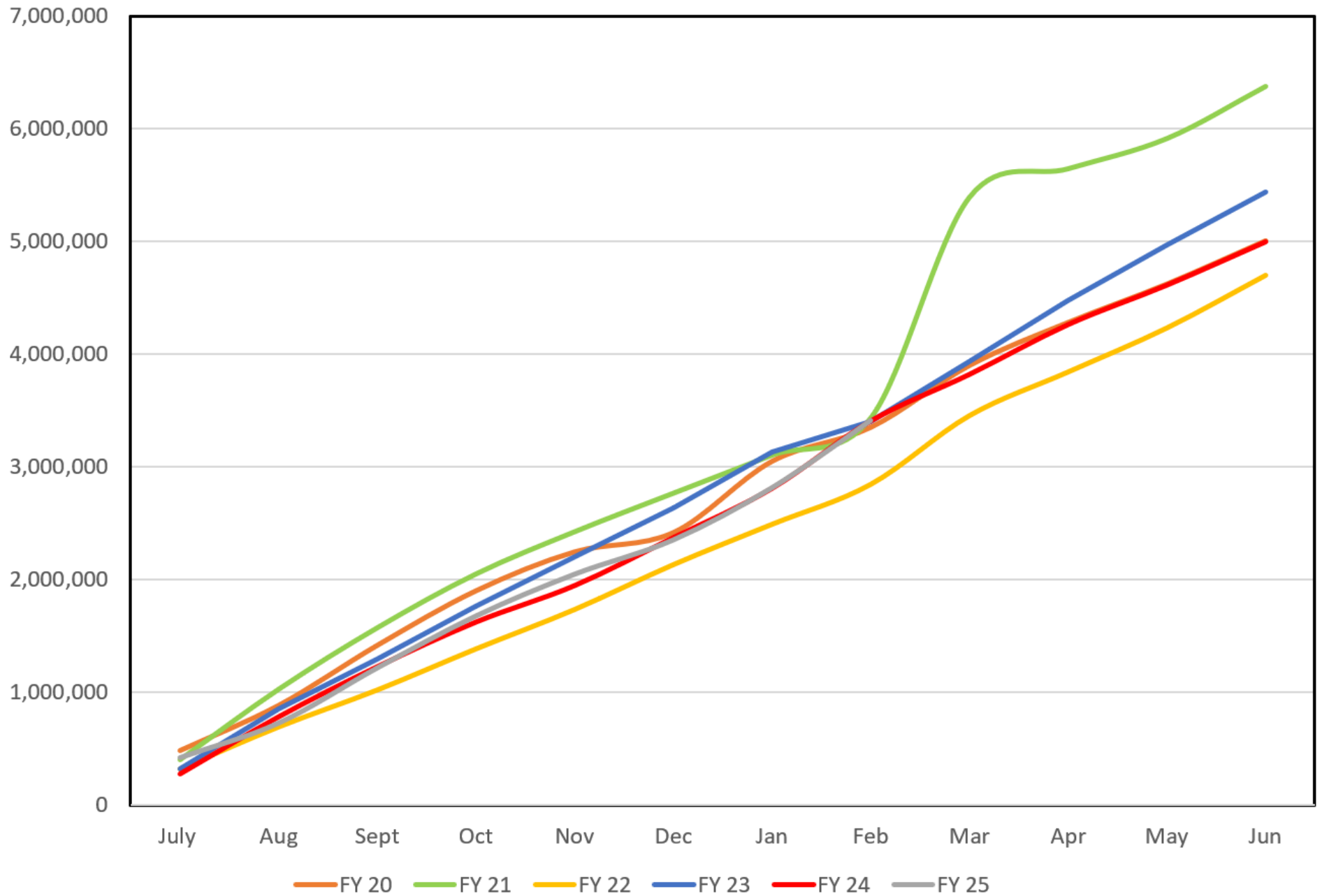
- As of February 28, 2025, the arrears were \$74,662. These are listed in Appendix D and staff is addressing by working with the specific companies and situations.

NELHA – March 18, 2025

**APPENDIX A – NELHA REVENUES - July – February FY25 vs. FY 24**

	Source Code	Cost Center	Annual Budget FY 25	July - Feb FY 25	July - Feb FY 24	FY 24 vs. FY 25	Percent Change
<b>Seawater System Revenue</b>	<b>1092</b>	<b>7000</b>	<b>1,500,000.00</b>	<b>1,028,073.24</b>	<b>991,994.00</b>	<b>36,079.24</b>	<b>3.6%</b>
Deep Sea Water	1092	7001		534,005.53	492,710.40	41,295.13	8.4%
Surface Sea Water	1092	7002		353,955.26	360,268.65	(6,313.39)	-1.8%
SW Electric Surcharge	1092	7003		140,112.45	138,624.95	1,487.50	1.1%
Seawater Vendors	1092	7005		-	390.00	(390.00)	
<b>Host Park Land Lease Base Rent</b>	<b>257</b>	<b>1200</b>	<b>2,000,000.00</b>	<b>1,095,848.94</b>	<b>1,227,486.54</b>	<b>(131,637.60)</b>	<b>-10.7%</b>
<b>Research Campus (Covered/Uncovered Space)</b>	<b>1508</b>	<b>1300</b>	<b>220,000.00</b>	<b>172,468.54</b>	<b>154,009.18</b>	<b>18,459.36</b>	<b>12.0%</b>
<b>Research Campus (Office/Conference Rental)</b>	<b>1504</b>	<b>1400</b>	<b>245,000.00</b>	<b>228,779.75</b>	<b>232,725.24</b>	<b>(3,945.49)</b>	<b>-1.7%</b>
<b>Host Park Lease Percent Rent Payments</b>	<b>267</b>	<b>1500</b>	<b>65,000.00</b>	<b>10,000.00</b>	<b>26,348.31</b>	<b>(16,348.31)</b>	<b>-62.0%</b>
<b>Host Park Royalty Lease Payments</b>	<b>1089</b>	<b>1600</b>	<b>30,000.00</b>	<b>19,804.30</b>	<b>21,415.04</b>	<b>(1,610.74)</b>	<b>-7.5%</b>
<b>Labor Services</b>	<b>1495</b>	<b>1000</b>	<b>120,000.00</b>	<b>33,170.00</b>	<b>75,340.00</b>	<b>(42,170.00)</b>	<b>-56.0%</b>
<b>Electric Reimbursements</b>	<b>1096</b>	<b>2000</b>	<b>450,000.00</b>	<b>277,646.02</b>	<b>315,525.27</b>	<b>(37,879.25)</b>	<b>-12.0%</b>
<b>Freshwater Reimbursements</b>	<b>1097</b>	<b>2001</b>	<b>230,000.00</b>	<b>185,451.24</b>	<b>145,694.77</b>	<b>39,756.47</b>	<b>27.3%</b>
<b>Federal/County/UH/Special Projects</b>	<b>580 &amp; 683</b>	<b>1100</b>	<b>225,000.00</b>	<b>(16,752.72)</b>	<b>(15,823.06)</b>	<b>(929.66)</b>	<b>5.9%</b>
<b>Interest Income/Investments</b>	<b>0288 &amp; 0340</b>	<b>0001</b>	<b>100,000.00</b>	<b>45,297.35</b>	<b>45,328.59</b>	<b>(31.24)</b>	<b>-0.1%</b>
<b>Misc Income</b>	<b>Various</b>	<b>0001</b>	<b>280,000.00</b>	<b>177,532.56</b>	<b>184,578.80</b>	<b>(7,046.24)</b>	<b>-3.8%</b>
<b>TOTAL REVENUE</b>	<b>Various</b>	<b>Various</b>	<b>5,465,000.00</b>	<b>3,257,319.22</b>	<b>3,404,622.68</b>	<b>(147,303.46)</b>	<b>-4.3%</b>

### Special Fund Revenue FY 20-FY 25

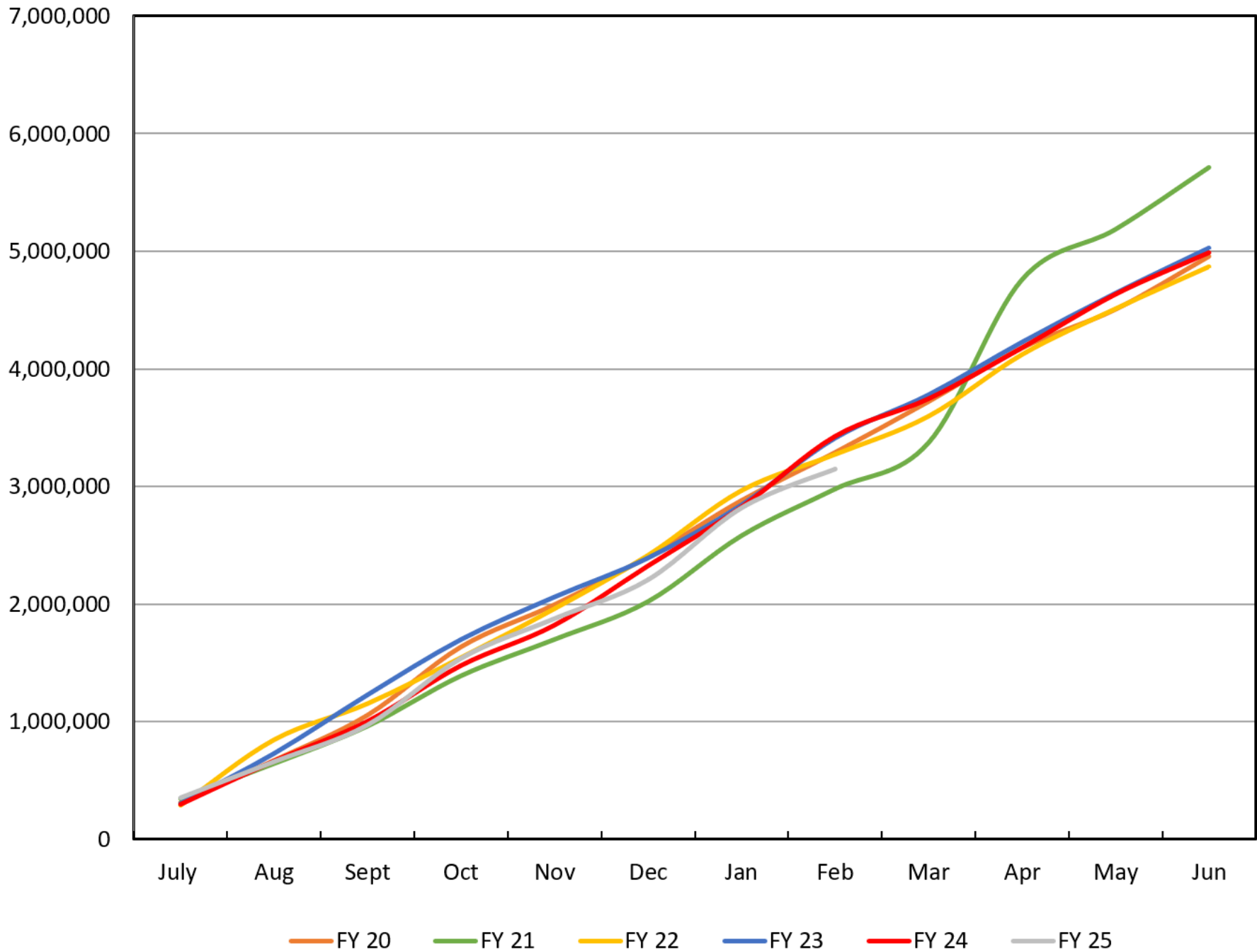


**APPENDIX B – NELHA EXPENDITURES - July December FY25 vs. FY 24**

Category	Object Code	Cost Center	Annual Budget FY 2025	July - Feb FY 25	July - Feb FY 24	FY 25 vs. FY 24	Percent Change
<b>Personnel Services</b>	<b>2000</b>	<b>2000</b>	<b>2,160,000.00</b>	<b>1,344,181.77</b>	<b>1,414,693.82</b>	<b>(70,512.05)</b>	<b>-5.0%</b>
Temporary Hazard Pay (THP) Settlement			300,000.00	100,000.00			
<b>Seawater System</b>	<b>Various</b>	<b>0007</b>	<b>1,400,000.00</b>	<b>818,472.97</b>	<b>919,839.38</b>	<b>(101,366.42)</b>	<b>-11.0%</b>
Personnel	2000		600,000.00	282,753.81	409,357.27	(126,603.47)	-30.9%
Electric (75%)	5000		700,000.00	480,789.52	460,277.82	20,511.70	4.5%
Freshwater (13%)	5200		5,000.00	2,872.17	4,855.39	(1,983.22)	-40.8%
R&M Building Supplies	3120		2,500.00	3,317.90	923.06	2,394.84	259.4%
R&M supplies (new clamps/VFD filters/Flygt)	3121		-	20,586.52	24,992.69	(4,406.17)	-17.6%
Motor vehicle oil/gas	3001		6,000.00	1,703.39	5,798.93	(4,095.54)	-70.6%
Motor vehicle supply/parts	3100		5,000.00	2,246.16	4,415.95	(2,169.79)	-49.1%
Other supplies- heavy equipment	3400		10,000.00	2,204.29	7,281.12	(5,076.83)	-69.7%
R&M machinery & Equip-Special (heavy equipment)	5801		1,000.00	829.47	-	829.47	0.0%
R&M motor vehicles	5807		1,000.00	113.09	-	113.09	0.0%
Safety Supplies	3002		1,000.00	3,401.76	-	3,401.76	0.0%
<b>Machinery and other equipment</b>	<b>7701</b>		<b>2,500.00</b>	<b>5,915.46</b>	<b>1,937.15</b>	<b>3,978.31</b>	<b>205.4%</b>
Misc. small equipment	7701		-	5,842.18	1,937.15	3,905.03	201.6%
Gator and Trailer	7702		-	73.28	-	73.28	0.0%
<b>Services on a fee</b>	<b>7101</b>		<b>65,000.00</b>	<b>11,739.43</b>	<b>-</b>	<b>11,739.43</b>	<b>0.0%</b>
Miscellaneous services (Pipeline Removal)	7101		-	11,739.43	-	11,739.43	0.0%
<b>Tenant Utilities (Reimbursable)</b>	<b>Various</b>	<b>0002</b>	<b>710,000.00</b>	<b>460,100.09</b>	<b>466,395.16</b>	<b>(6,295.07)</b>	<b>-1.3%</b>
Electric	5000		475,000.00	246,682.62	312,917.47	(66,234.85)	-21.2%
Freshwater	5200		235,000.00	213,417.47	153,477.69	59,939.78	39.1%
<b>NELHA Utilities</b>	<b>Various</b>	<b>0003</b>	<b>100,000.00</b>	<b>67,295.21</b>	<b>66,994.27</b>	<b>300.94</b>	<b>0.4%</b>
Electric	5000		75,000.00	53,801.37	47,659.84	6,141.53	12.9%
Freshwater	5200		25,000.00	13,493.84	19,334.43	(5,840.59)	-30.2%
<b>HOST Park Ground Maintenance and Security</b>	<b>Various</b>	<b>0004</b>	<b>375,000.00</b>	<b>22,668.32</b>	<b>52,646.78</b>	<b>(29,978.46)</b>	<b>-56.9%</b>
Personnel	2000		45,000.00	14,425.30	32,780.04	(18,354.74)	-56.0%
Security	7110		300,000.00	217.02	59.35	157.67	265.7%
Safety supplies	3002		5,000.00	296.19	3,346.94	(3,050.75)	-91.2%
Supplies and Svs on a fee	3420/7101		15,000.00	965.75	9,343.25	(8,377.50)	-89.7%
Other Supplies/other supplies security	3421/3400		3,000.00	597.65	1,539.78	(942.13)	-61.2%
Other Rentals	5700		1,000.00	966.41	377.42	588.99	156.1%
R&M Routine Grounds (Tree Trimming)	5806		6,000.00	5,200.00	5,200.00	-	0.0%
<b>HOST Park Environmental Monitoring</b>	<b>Various</b>	<b>0005</b>	<b>175,000.00</b>	<b>109,543.07</b>	<b>98,520.50</b>	<b>11,022.57</b>	<b>11.2%</b>
Personnel	2000		125,000.00	80,428.68	85,483.58	(5,054.90)	-5.9%
Supplies - CEMP	3421		25,000.00	9,405.39	13,036.92	(3,631.53)	-27.9%
Services on a fee	7101		25,000.00	19,709.00	-	19,709.00	0.0%
<b>Beach Park Maintenance</b>	<b>Various</b>	<b>0006</b>	<b>55,000.00</b>	<b>42,199.62</b>	<b>33,565.41</b>	<b>8,634.21</b>	<b>25.7%</b>
Personnel	2000		40,000.00	31,843.90	24,122.39	7,721.51	32.0%
Janitorial Supplies (50%) & Other supplies	3000		5,000.00	4,637.57	2,621.71	2,015.86	76.9%
R&M Supplies	3100		1,000.00	-	108.09	(108.09)	-100.0%
Electric	5000		1,000.00	589.56	737.19	(147.63)	-20.0%
Freshwater	5200		8,000.00	5,128.59	5,976.03	(847.44)	-14.2%

Category	Object Code	Cost Center	Annual Budget FY 2025	July - Feb FY 25	July - Feb FY 24	FY 25 vs. FY 24	Percent Change
<b>Administrative Expenses</b>	Various	0001	1,710,000.00	1,170,878.46	1,148,133.65	22,744.81	2.0%
Personnel	2000		1,350,000.00	934,730.09	862,950.55	71,779.54	8.3%
Janitorial Supplies (50%)	3000		5,000.00	4,004.56	2,608.14	1,396.42	53.5%
R&M supplies automobile	3100			6.78	-	6.78	0.0%
R&M -buildings	3120		24,000.00	14,095.53	15,586.81	(1,491.28)	-9.6%
R&M- Misc.	3121		1,000.00	1,777.26	12.89	1,764.37	13687.9%
Office Supplies	3200		10,000.00	1,834.92	9,038.23	(7,203.31)	-79.7%
Other Supplies	3400		1,000.00	3,825.46	153.34	3,672.12	2394.8%
Computer prgms & software	3402		2,000.00	-	731.94	(731.94)	-100.0%
Dues & Subscriptions	3500		3,000.00	525.00	2,750.00	(2,225.00)	-80.9%
Postage	3700		1,500.00	358.02	637.50	(279.48)	-43.8%
Telephone	3800		15,000.00	9,569.49	10,085.70	(516.21)	-5.1%
Printing/Binding	3900		3,000.00	462.86	899.07	(436.21)	-48.5%
Car Mileage	4100/4101		1,000.00	408.33	254.80	153.53	60.3%
Transportation , Intrastate	4200		3,500.00	498.53	1,283.76	(785.23)	-61.2%
Transportation, intrastate, non-employee (BOD)	4201			260.96	-	260.96	0.0%
Subsistance, Intrastate	4300		3,000.00	24.00	2,624.82	(2,600.82)	-99.1%
Subsistance, Intrastate (BOD)	4301			85.00	-	85.00	0.0%
Transportation, out of state	4400		2,000.00	-	1,586.35	(1,586.35)	-100.0%
Subsistance, out of state	4500		3,000.00	-	883.45	(883.45)	-100.0%
Hire of passenger cars	4600		1,000.00	-	268.95	(268.95)	-100.0%
Rental of Copy Machine	5610			2,621.21	-	2,621.21	0.0%
Insurance Premium	5900		200,000.00	166,250.97	166,250.97	-	0.0%
<b>Services on a fee</b>	7101		61,000.00	3,560.73	32,227.06	(28,666.33)	-89.0%
Misc Services on a Fee	7101		1,000.00	3,460.73	512.06	2,948.67	575.8%
Economic Impact Survey Update	2900			-	31,715.00	(31,715.00)	-100.0%
50th Anniversary	7101		35,000.00	100.00	-	100.00	0.0%
ETS Network Migration	7101		25,000.00	-	-	-	0.0%
Diagnostic lab testing	7101			46.00	-	46.00	0.0%
Marketing Promotional Services	7102			3,998.30	-	3,998.30	0.0%
Solid Waste Removal	7109		10,000.00	12,091.05	6,272.68	5,818.37	92.8%
Computer Svs, other than state	7120			3,656.81	2,178.44	1,478.37	67.9%
Contracts other govern. Agencies	7160			480.00	1,440.00	(960.00)	-66.7%
Outservice training & reg. fees	7201		1,500.00	425.39	965.82	(540.43)	-56.0%
Conference & Seminars by DBEDT	7202			-	3,545.00	(3,545.00)	-100.0%
Bank Service Fee	7211		1,000.00	512.70	500.73	11.97	2.4%
Other exp., trade show/promotional products	7230		100.00	1,275.00	579.22	695.78	120.1%
Local Area Network (LAN)-DBEDT/ASO	7242			2,103.83	2,140.23	(36.40)	-1.7%
Office equipment & furnishings	7700/7701		2,000.00	1,215.37	3,559.78	(2,344.41)	-65.9%
Purchase of micro/mini computers	7730		5,000.00	-	15,788.27	(15,788.27)	-100.0%
Misc. Small Equipment	7700		400.00	174.31	329.15	(154.84)	-47.0%
<b>OHA Ceded Land Assessment - Quarterly Payments</b>	9997	0008	440,000.00	218,724.99	227,498.98	(8,773.99)	-3.9%
<b>Central and Adm. Services Assessment - Quarterly Payments</b>	7204	0009	203,000.00	112,152.18	126,285.81	(14,133.63)	-11.2%
Central Svs	7204		145,000.00	80,882.14	90,620.86	(9,738.72)	-10.7%
Administrative Svs	7204		58,000.00	31,270.04	35,664.95	(4,394.91)	-12.3%
<b>Misc. Expenses</b>	Various	0010	2,000.00	2,409.44	1,646.40	763.04	46.3%
R&M maintenance Supplies Automobiles	3100			2,406.23	-	2,406.23	0.0%
Supplies workshop	3422		1,500.00	(285.57)	1,166.87	(1,452.44)	-124.5%
Freight & Delivery	3600		400.00	166.32	453.35	(287.03)	-63.3%
R&M Automobiles	5807		100.00	122.46	26.18	96.28	367.8%
<b>Special Projects/ Federal Grants</b>	Various	0011	200,000.00	9,035.52	11,318.18	(2,282.66)	-20.2%
<b>TOTAL EXPENSES</b>	Various	Various	5,670,000.00	3,033,479.86	3,152,844.52	(119,364.66)	-3.8%

### Special Fund Expenditure FY 20 - FY 25



APPENDIX C – SPECIAL FUND – ACCOUNT SUMMARY

As of February 28, 2025

Beginning Fund Balance	0.00
Prior Year Cash Transfers	834,893.03
	<hr/>
	<b>834,893.03</b>
Revenues	3,257,319.22
<b>Total</b>	<hr/>
	<b>4,092,212.25</b>
Cash Expenditures	3,033,479.86
Encumbrances	41,408.00
<b>Total</b>	<hr/>
	<b>3,074,887.86</b>
<b>Special Fund Balance</b>	<hr/>
	<b>1,017,324.39</b>
Arrears as of February 28, 2025	74,661.63
	<hr/>
<b>Total Estimated Special Fund Balance</b>	<b>1,091,986.02</b>

(Source: FAMIS as of February 28, 2025)



**APPENDIX D – NELHA ARREARS REPORT**

**31 DAYS AND OVER**

**Data as of February 28, 2025**

CLIENT	NUMBER OF DAYS IN ARREARS				COMMENT
	31 - 60	61 - 90	90 and over	TOTAL	
Cyanotech Corporation	34,230.84	-	-	34,230.84	Delay expected to be cleared up.
Legacy Reef Foundation	95.94	94.99	4,498.87	4,689.80	Company has closed.
Keahole Center for Sustainability	100.00	0.55	55.25	155.80	
Kohala Center - HTA	160.00	-	-	160.00	
World Triathlon Corporation	152.71	-	-	152.71	
Ocean ERA	14,150.27	11,800.02	-	25,950.29	Delays in receiving federal funds. Monitoring closely.
Ocean Rider	140.07	138.68	8,868.09	9,146.84	Past due on % rent.
Woods Hole Oceanographic	1.74	1.72	171.89	175.35	
<b>TOTAL</b>	<b>49,031.57</b>	<b>12,035.96</b>	<b>13,594.10</b>	<b>74,661.63</b>	

Item 8.

Announcements

- a. Date of next regularly scheduled NELHA Board of Directors meeting is Tuesday, May 20, 2025 at 1:00 pm.

Item 9.

Adjournment