



Hawai'i Invasive Species Council Meeting Agenda - August 28, 2024

A photograph of a person sitting on a grassy hillside, pointing towards the distance. The image is partially obscured by a large speech bubble.

HISC Meeting
Agenda

1. Call to Order
2. Introductions of voting Council members & legislative representatives
3. Approval of minutes from *May 29, 2024*
4. Presentations: FY25 HISC Recommended Budget - *Rob Hauff (Chair of RWG), Chelsea Arnott (HISC Support*
5. Submittal: Requesting approval of the Fiscal Year 2025 HISC budget Public Comments
6. Adjournment



Reminders

- This is the public meeting of the Hawai‘i Invasive Species Council
- The public has the opportunity to attend in-person, through the Zoom link, or through the HISC YouTube channel.
- There are two voting matters on the agenda, approval of the last meeting notes and Agenda Item #5: “Requesting approval of the Fiscal Year 2025 HISC budget Public Comments”
- Written and oral testimony will be taken after each agenda item, if requested, and before voting on Agenda Item #5
- If you are presenting testimony, please wait for the Chair to ask for public comments and indicate by raising your hand and wait to be called on. Once called on, please unmute and turn camera on.



Hawai'i Invasive Species Council Meeting

Submittal to Approve the Recommended FY25 HISC Budget
Wednesday, August 28, 2024

Presented by Resources Working Group Chair,
Rob Hauff (DLNR, Forestry & Wildlife) &
HISC Coordinator, Chelsea Arnott (Program Support)

In-person Attendees at the DLNR Board Room located in the Kalanimoku Building Honolulu, HI
Virtual Attendees live via Zoom link and public attendance through HISC YouTube



Background

- The Hawai'i Invasive Species Council was established by State Statute (HRS 194) in 2003 with the purpose of
 - Filling gaps between agency mandates or existing agency programs, and/or
 - Advance our collective knowledge through research and development of new tools and technology.
- The HISC receives funding from the State Legislature each year that supports interagency invasive species projects and programs.
 - Funds are disbursed via an intergovernmental granting process where state, county, and federal agencies may submit requests for funding that are evaluated by the HISC Resources Working Group who develops the recommended budget to be approved by the Council.



Members of the HISC Resources Working Group

Members were designated by the Council and represent each of the Council departments as well as HISC Support Staff

- Rob Hauff, Chair (DLNR-FW)
- Tomo Murata (HDOT)
- Darcy Oishi (HDOA)
- Mike Melzer (UH)
- Christy Martin (UH)
- Matt Kurano (HDOH)
- Lizzy Monaghan (DLNR-DAR)
- Leyla Kaufman (HISC Support)
- Chelsea Arnott (HISC Support)
- Rachel Beasley (DBEDT)

FY25 HISC Funding Timeline

APPLICATIONS

Call for Proposals – May 5th

Deadline for applications – 5:00 pm (HST), June 6th

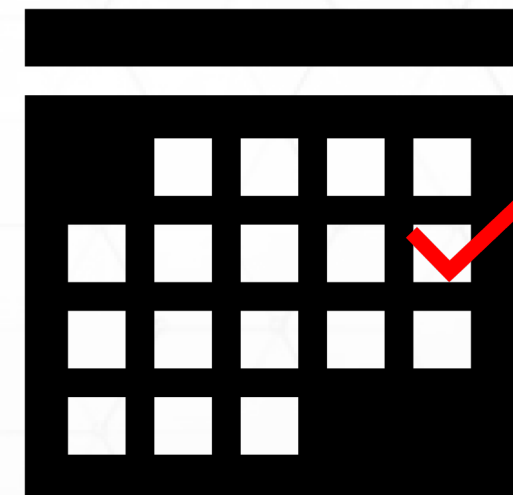
EVALUATIONS

Evaluations begin – June 10th

Deadline for evaluations – August 2nd

RESOURCES WORKING GROUP – August 15th 12:30 pm

COUNCIL MEETING – August 28th 1:00 pm





Drafting a Recommended Budget

- Members of the Resources Working Group evaluate applications
- Final application scores are entered into RWG spreadsheet
- Applications are ranked lowest to highest scoring
- Formula in spreadsheet generates a recommended award amount based on **score, requested amount, and total available funding** to create a balanced budget
- RWG meeting to produce final recommendation based on scoring and discussion. Structured primarily as a discussion among members
 - Applicants are invited to attend for transparency about the process and discussion
- Council reviews budget for approval

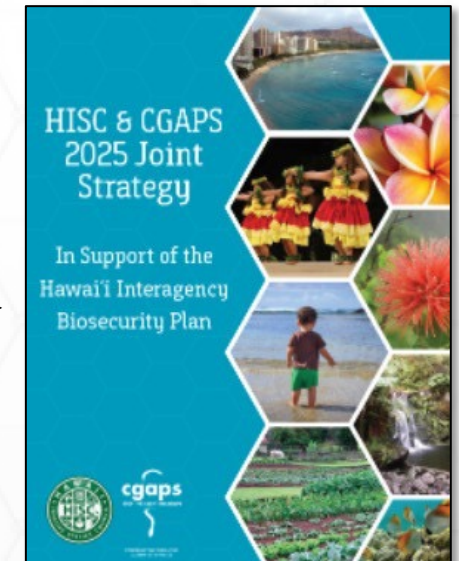
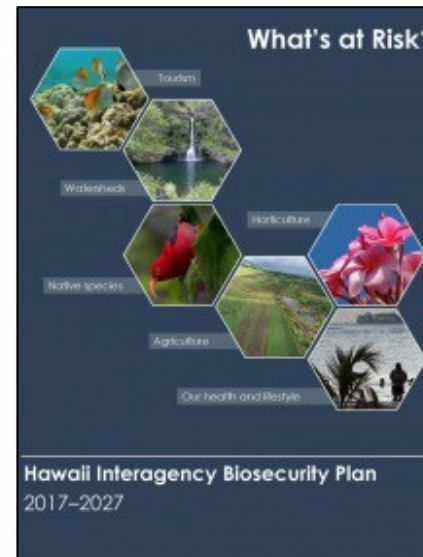


Scoring Applications

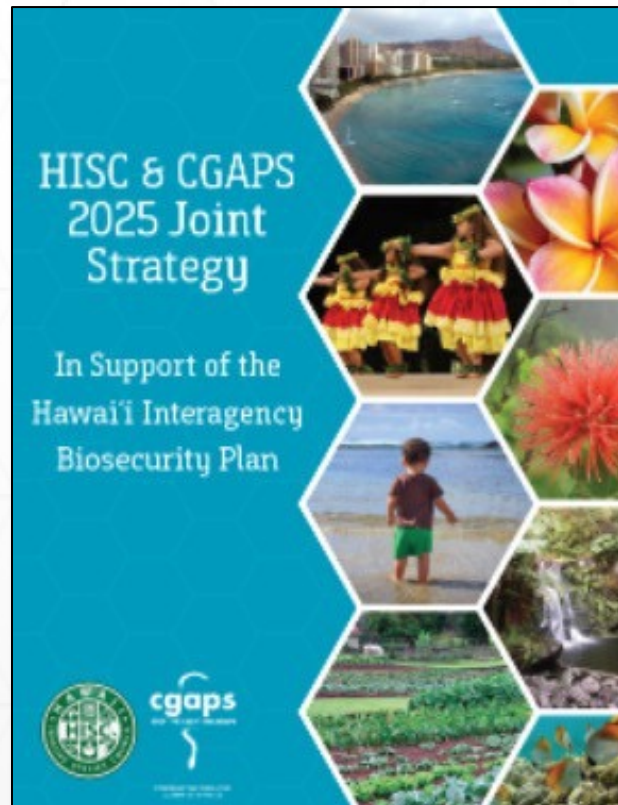
- Members of RWG scored applications based on the proposed project's ability to address the 5 funding priorities outlined in the HISC/CGAPS 2025 Joint Strategy (**45 points possible**)
- Additional points determined by HISC Support Staff on relevance to sectors – Agriculture, Natural Resources, Transportation, Human Health, Economy, Research (**6 points possible**)
- Leveraged funding score based on what was provided in the application (**6 points possible**)
- Total points possible – **57**

Background on Funding Priorities

- The [Hawai'i Invasive Species Council \(HISC\)](#) provides interagency coordination and direction on invasive species issues in Hawai'i. Each year, the State Legislature provides funding through the HISC to support projects and programs that:
 - *fill gaps between agency mandates and existing programs, and/or*
 - *advance our collective knowledge and tools through research and innovation.*



FY25 Funding Priorities



- Prevention & Early Detection/Rapid Response for New Terrestrial & Aquatic Invasions
- Management of the Inter/Intra-Island Movement of Invasive Species (*both aquatic & terrestrial*)
- Implementation Large-Scale Control of Widespread, High-Impact Invasive Species (*does not include classical biocontrol*)
- Increase Pacific Regional Biocontrol Research & Capacity (*classical biocontrol only*)
- Maintain an Engaged & Supportive Community



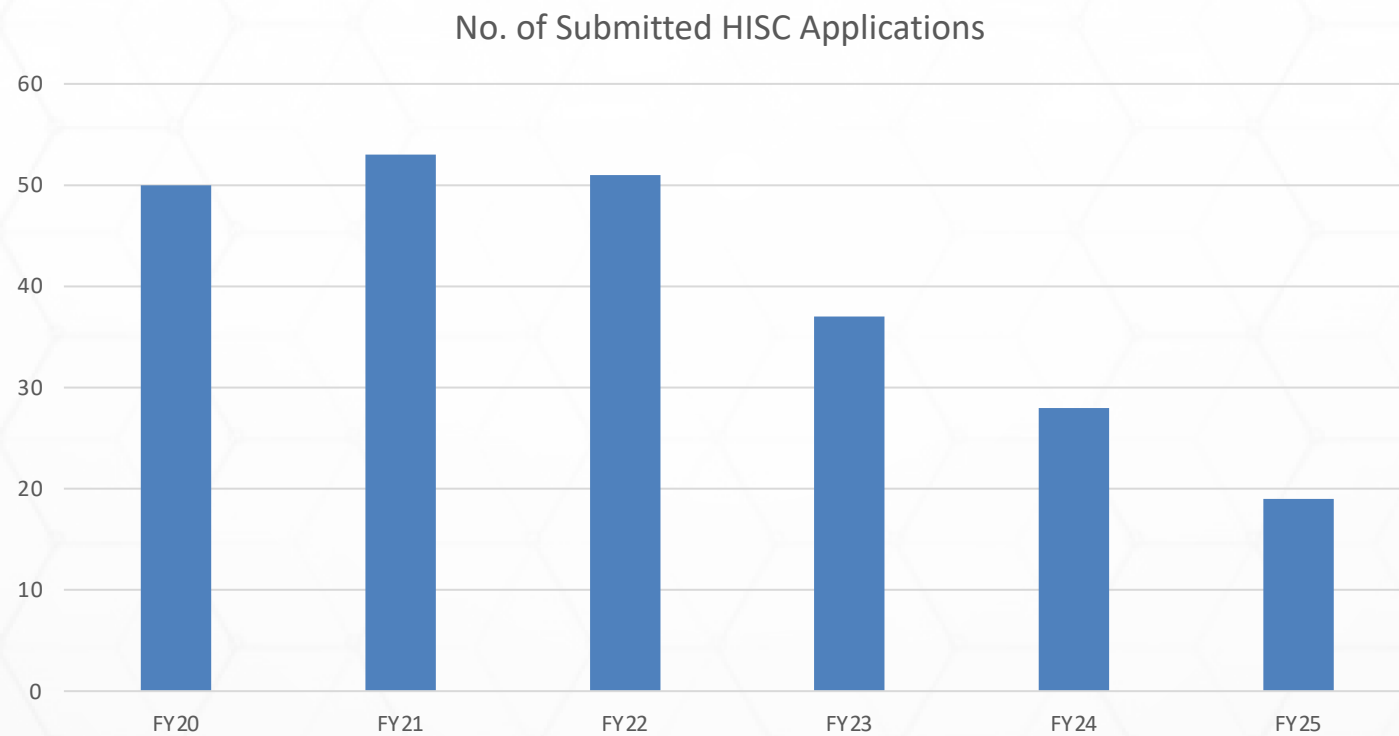
FY25 Summary

- 19 Applications; 1 requested be removed
- Total requested of \$8,083,419.17 in total
- 2 aquatic proposals
- 6 Research Requests (species specific)
- 11 Multi-pest proposals (ISCs, CGAPS)

PROJECT TITLE	TOTAL REQUESTED
12 - CTAHR - Tracking Raime Moth Pest to Protect Native Mamaki	\$71,474.00
01 - CTAHR - Rapid Ohia Death Outreach & Extension	\$54,238.41
02 - UH Institute of Marine Biology - DNA Tool Detection of Unomia	\$132,511.00
03 - CTAHR - Detection & Management of Two-Lined Spittlebug	\$568,926.00
14 - Plant Env. Protection Services CTAHR - Detection of Africanized Bees and Mite Harmful to Honeybees	\$43,166.03
09 - OISC - Early Detection Rapid Response (EDRR)	\$453,760.05
06 - BIISC - Community Engagement	\$451,066.00
07 - OISC - High Priority Weed Management	\$1,032,998.70
17- MISC-MoMISC - Public Engagement	\$200,000.00
08 - OISC - Outreach, Education, & Community Response	\$357,473.98
10 - DLNR - Monitoring and Public Outreach of BTi larvicide to Control Mosquitoes and protect Native Birds	\$117,376.00
19 - BIISC - Forest Response Team	\$495,231.00
18 - BIISC - Detection & Control of Invasive Plants	\$795,642.00
13 - KISC - Early Detection Rapid Response + Control (EDRR)	\$1,118,522.00
15 - KISC - Public Outreach, Education, & Community Engagement	\$222,208.00
11 - DAR Division Aquatic Resources - Ballast Water & Hull Fouling staffing	\$85,000.00
04 - CGAPS - Operations and Payroll Funding	\$85,300.00
16 - MISC-MoMISC - Detection & Control of Invasive Species	\$750,000.00
20 - Hawaii Ant Lab - Little Fire Ant Mitigation	\$1,000,000.00



Application Submissions Over Time



FY25 Available HISC Funding



	Last year's funding (FY24)	FY25 Funding
Total Requests	\$8,494,425.00	\$8,083,419.17
HISC Base	\$4,686,081	\$4,779,230.00
HISC Program Support	\$600,000	\$465,797.09
PoEM	NA	\$240,056.11
Remaining	\$4,086,081	4,059,457



Ports of Entry Monitoring (PoEM) program

Category	HAL	OISC	BIISC	MISC/MoMISC	KISC	HISC
Total	\$ 53,662.00	\$ 36,749.90	\$ 18,889.00	\$ 27,500.00	\$ 19,539.00	\$ 83,909.76

Total Cost for 7 months: \$240,250

Africanized Bees



Coconut Rhinoceros Beetle



Japanese Beetle



Mosquitos

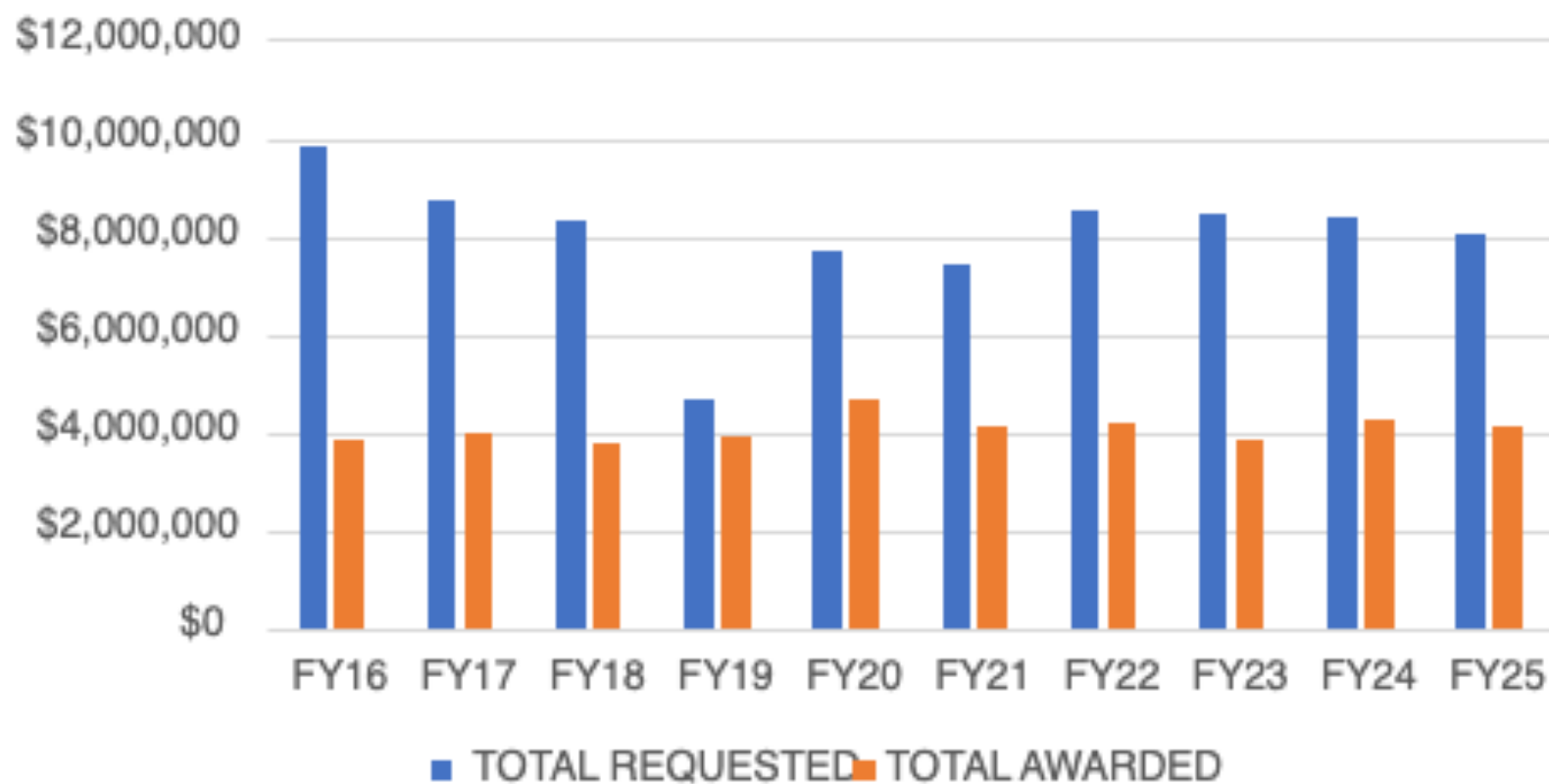


Invasive Ants





Total Request vs Total Available



FY23/FY24 REPI FUNDING



PROJECT TITLE	FY23 AWARD	FY24 AWARD	TOTAL AWARD
UAV for High-Impact Weeds (BIISC)	\$ 173,463.00	\$ 59,832.00	\$ 233,295.00
Detector Dogs for Devil Weed (BIISC)	\$ 114,893.00	\$ 63,750.00	\$ 178,643.00
Biocontrol Research, Implementation and Monitoring (USFS)	\$ 279,245.00	\$ 241,995.00	\$ 521,240.00
PCSU Native Urchin Expansion on Windward Oahu (DAR)	\$ 515,877.00		\$ 782,413.00
CCRT Native Urchin Expansion on Windward Oahu (DAR)		\$ 266,536.00	
eDNA for Non-Native Aquatic Species (DAR)	\$ 117,600.00	\$ 50,400.00	\$ 168,000.00
Aquatic EDRR/SCTLD Coordinator (DAR)	\$ 215,600.00	\$ 92,400.00	\$ 308,000.00
Long Thorned Kiawe (KISC)	\$ 80,902.59	\$ 24,842.11	\$ 105,744.70
Albizia Control in Koolaus (KMWP)	\$ 70,000.00	\$ 30,000.00	\$ 100,000.00
Miconia Management (OISC)	\$ 128,040.00		\$ 128,040.00
Little fire ant and coqui survey and control throughout windward Koolau - Oahu Invasive Species Committee	\$ 1,082,968.00	\$ 641,282.00	\$ 1,724,250.00
Ports of Entry/Exit Pest Monitoring (HISC)		\$ 220,690.00	\$ 220,690.00



HB 2619 – Biosecurity Bill

Prog ID/Org	Position Title/Program Description	\$10M
AGR 122 EB	Risk Assessment	240,000
AGR 122 EB	Pest Management Systems Approach	800,000
AGR 122 EB	Brown Tree Snake Rapid Response	240,000
AGR 122 EC	Pest Diagnostics	240,000
AGR 122 EC	Coconut Rhinoceros Beetle Response	1,200,000
AGR 122 EA	Green Waste	800,000
AGR 122 EA	Compost Reimbursement	400,000
AGR122	Public Awareness Campaign	
AGR 122 EB	Little Fire Ants Response	1,500,000
AGR 122 EB	Coqui Frog Response	74,355
AGR 122 EB	Invasive Species Outreach	
AGR 122 EA	Tech Upgrades	800,000
AGR 122 EB	Import Replacement Fund	
AGR 122 EA	Biosecurity Facility Planning	600,000
AGR 122 EA	Rose-Ringed Parakeet	300,000
AGR 122 EC	Two-Lined Spittlebug	600,000



**Questions from Council or Legislative members
before presenting the recommended FY24
HISC Budget?**

Recommended Project Awards

Ranking	Title	Program	Total Request	FY25 Recommended Award
19	Tracking the spread of ramie moth, <i>Arcte coerulea</i> , a Pest of Māmaki and other nettles in Hawai‘i”	UH	\$71,474.00	\$20,884
18	Outreach and extension for management of Rapid ‘Ōhi‘a Death on Hawai‘i Island	UH	\$54,238.41	\$17,713
17	Development of an environmental DNA (eDNA) tool for early detection of invasives and monitoring for spread of <i>Unomia</i> in Hawai‘i	UH	\$132,511.00	\$43,274
16	Detection and Management Strategies for the Control of <i>Prosapia bicincta</i> (Twolined Spittlebug) in Hawai‘i	UH	\$568,926.00	\$0*
15	Optimizing screening for invasive honeybee pests and diseases	UH	\$43,166.03	\$0*

* Projects are receiving funding support from other sources (HDOA Biosecurity Bill & REPI)



TLSB- UH CTAHR



Recommended Project Awards



Ranking	Title	Program	Total Request	FY25 Recommended Award
14	OISC EDRR and Priority Pest Control	UH PCSU	\$453,760.05	\$194,978
13	BIISC Community Engagement Program	UH PCSU	\$451,066.00	\$201,573
12	OISC High Priority Weed Control	UH PCSU	\$1,032,998.70	\$401,629
11	Engaging the Public to Protect Maui Nui from Invasive Species – MISC & MoMISC	UH PCSU	\$200,000.00	\$89,376
10	OISC Outreach, Education, & Community Response	UH PCSU	\$357,473.98	\$165,893

Recommended Project Awards



Ranking	Title	Program	Total Request	FY25 Recommended Award
9	Demonstrating efficacy of large-scale mosquito control using Bti larvicide to facilitate recovery of native Hawaiian forest birds	DLNR	\$117,376.00	\$117,374
8	BIISC Forest & Widespread Invasive Response Team	UH PCSU	\$495,231.00	\$238,334
7	Detection and Control of Invasive Plant Species on Hawai'i Island	UH PCSU	\$795,642.00	\$410,259
6	Kaua'i Invasive Species Committee Early Detection, Rapid Response, and Control	UH PCSU	\$1,118,522.00	\$595,972
5	Public Outreach and Education on Kaua'i	UH/PCSU	\$222,208.00	\$118,397

Recommended Project Awards



Ranking	Title	Program	Total Request	FY25 Recommended Award
4	Ballast Water and Hull Fouling	DLNR	\$85,000.00	\$85,000
3	Coordinating Group on Alien Pest Species	UH PCSU	\$85,300.00	\$52,780
2	Detection and Control of Invasive Species in Maui County: MISC & MoMISC	UH PCSU	\$750,000.00	\$635,698
1	Statewide Little Fire Ant Mitigation	UH PCSU	\$1,000,000.00	\$670,323



Recommended Project Awards



Program	Total Requested	FY25 Recommended Award	FY24 Award
BIISC	\$1,741,939	\$850,166	\$809,502.000
MISC/MoMISC	\$950,000	\$725,074	\$825,000.00
OISC	\$1,844,233	\$762,500	\$715,000.00
KISC	\$1,340,730	\$714,369	\$659,677
ISCs Total	\$5,876,902	\$3,052,110	\$3,009,179





Legal Authority

- HRS 194-2 (a): Establishes the HISC for the purpose of cabinet-level coordination and planning among state departments, federal agencies, and international and local initiatives
- HRS 194-2 (a)(4): Directs the HISC to create and implement a plan for prevention, early detection, rapid response, control, enforcement, and education



Recommendations

1. That the Hawai'i Invasive Species Council approve the FY25 budget for HISC support and an interagency budget for invasive species projects and programs recommended by the Resources Working Group provided in Attachment 1, and
2. That, should the Department of Budget and Finance make any changes to the restriction on expenditures, the HISC delegate authority to the HISC Support Staff to identify best way to apply additional restrictions to project funds, or to identify best uses of any released funds, and
3. That, if there are any changes in the scope or implementation of projects over the course of the year, the Council delegate authority to the HISC Support staff to make adjustments to project funds or reassign project funds from any project that does not proceed in a timely manner.



HISC Meeting
Agenda

1. Call to Order
2. Introductions of voting Council members & legislative representatives
3. Approval of minutes from June 22, 2023
4. Presentations: FY24 HISC Recommended Budget - *Rob Hauff (Chair of RWG), Chelsea Arnott (HISC Support) & HISC Support to the Island Invasive Species Committees - Franny Brewer (Manager of Big Island Invasive Species Committee)*
5. Submittal: Requesting approval of the recommended HISC budget for Fiscal Year 2024
6. Public Comments
7. Adjournment