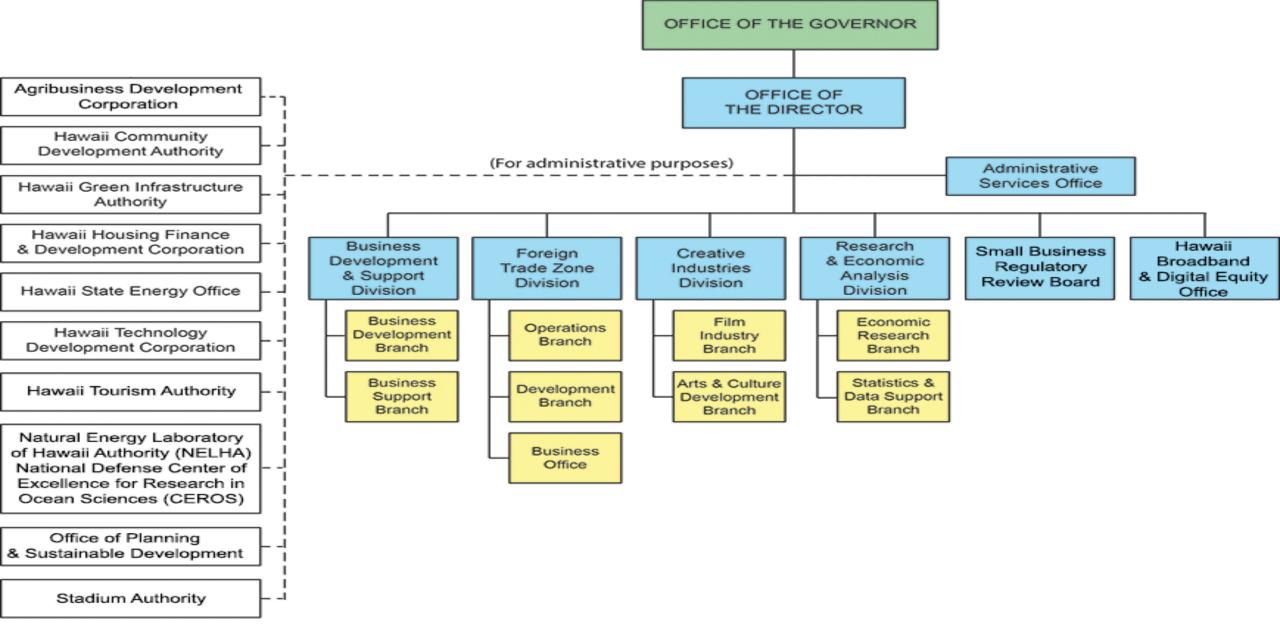
The Economic Landscape of Hawaii

Strengthening Anchors and Cultivating Innovation

Draft v8 1/9/2025

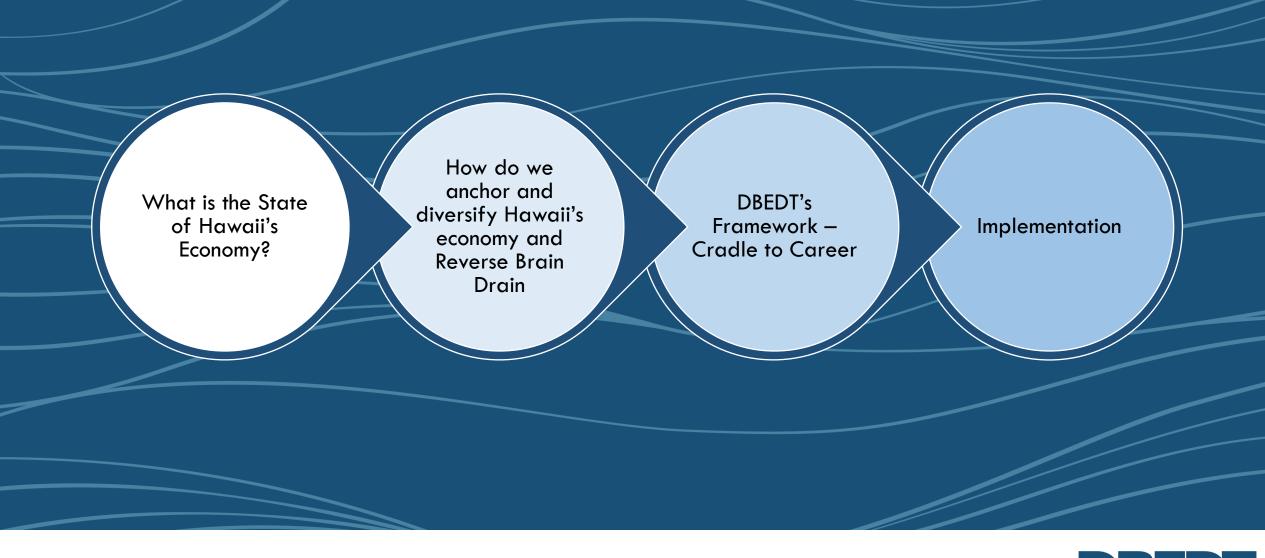


STATE OF HAWAI'I • DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM





2 Source: DBEDT





Current Economic State of Hawaii



U.S. and Hawai'i Industry Structure: % of 2024 Real GDP by Industry

Industry	U.S.	Hawaii	Concentration U.S. =100
Agriculture, forestry, fishing and hunting	0.9	0.5	62.3
Mining, quarrying, and oil and gas extraction	1.4	0.1	3.8
Utilities	1.5	1.8	121.0
Construction	3.7	5.0	135.6
Manufacturing	10.2) 1.7	16.9
Trade	(11.1)	9.9	88.8
Transportation and warehousing	3.1	5.3	173.0
Information	7.1	3.1	43.9
Finance and insurance	6.8	3.8	55.8
Real estate and rental and leasing	13.5	17.3) 128.5
Professional and business services	14.9	9.9	66.7
Educational services	1.1	1.1	96.3
Health care and social assistance	7.8	8.0	102.7
Hospitality	3.9	10.7	275.6
Other services	1.8	2.1	118.1
Government	11.2	19.7) 175.1
Top 5 Industries	54.6	67.5	123.6

Source: Research Economic Analysis Division

Hawaii's economy is more concentrated than the U.S.



Hawai'i Industry Share of Real GDP: 2005 and 2024* (%)

Industry (by NAICS code)	2005	2024	
Real estate and rental and leasing	15.4	17.3	
Health care and social assistance	5.8	8.0	
Professional, scientific, and technical services	4.0	5.3	
Transportation and warehousing	4.5	5.3	
Information	1.7	3.1	
Administrative & support & waste management & remediation services	2.8	3.1	
Utilities	1.7	1.8	
Management of companies and enterprises	1.3	1.5	
Finance and insurance	3.8	3.8	
Federal government	11.9	11.2	
Hospitality	11.9	10.7	
Trade	10.6	9.9	
State and local	10.2	8.5	
Mining and construction	7.6	5.0	
Other services (except government and government enterprises)	2.9	2.1	
Manufacturing	1.9	1.7	
Educational services	1.2	1.1	
Agriculture, forestry, fishing and hunting	0.7	0.5	\bigvee

Source: Research Economic Analysis Division



Hawai'i's Business and Economic Environment Ranking

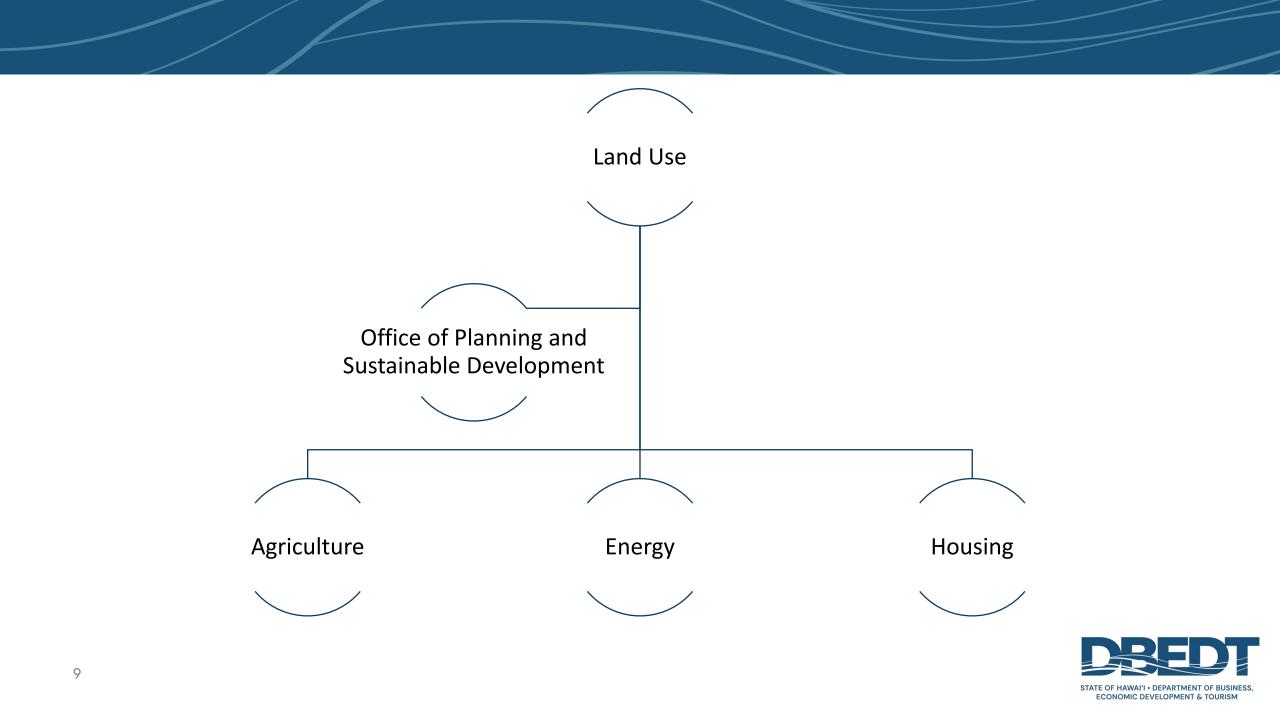
Ranking Institution	Description	Year	Overall Ranking	Business/ Economy Climate	Business Cost	Workforce	Access to Capital	Cost of Living	Infrastructure	Technology & Innovation
СМВС	American Top States for Business	2024	50	49	50	32	48	48	47	45
US News	Best State Ranking	2024	31	47	49	12	46	41	47	
ITIF	State New Economy Index	2020	46	42		32	40		40	47
Forbes	Best States for Business	2019	47	24	50	32		40		
Wallet Hub	Best & Worst State Economies	2024	50	49		50				50
ALEC	Economic Outlook	2024	41	42	41					
Tax Foundation	State Business Tax Climate Index	2024	42		42					

Sources: Consumer News and Business Channel, Information Technology and Innovation Foundation, American Legislative Exchange Council



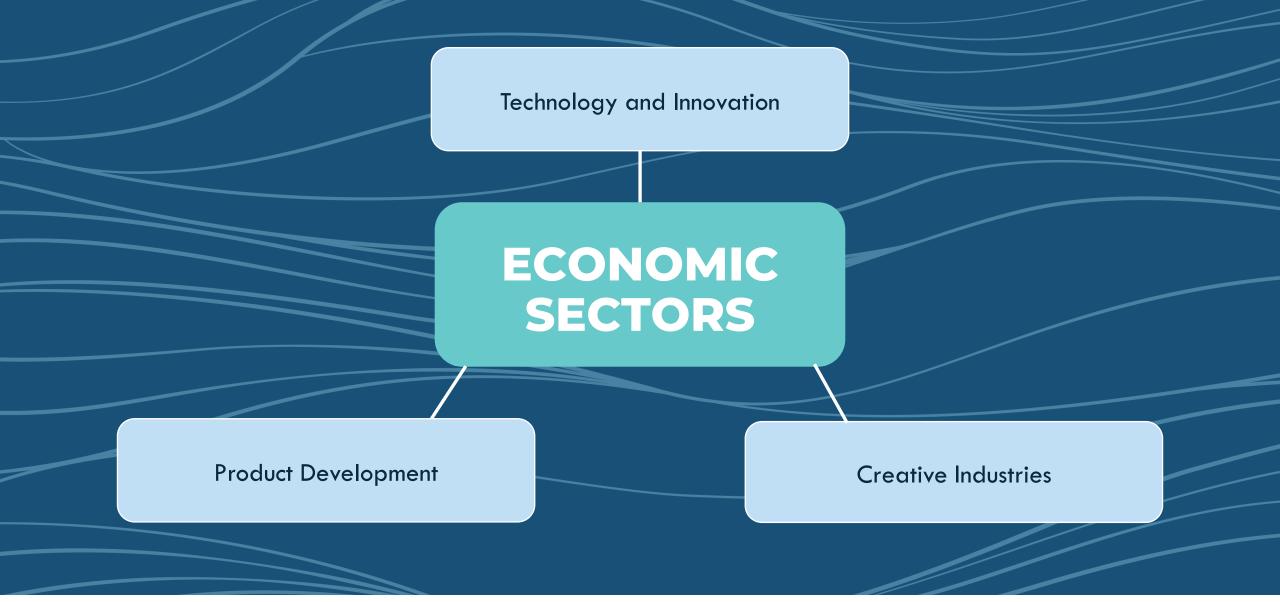
State Mandates



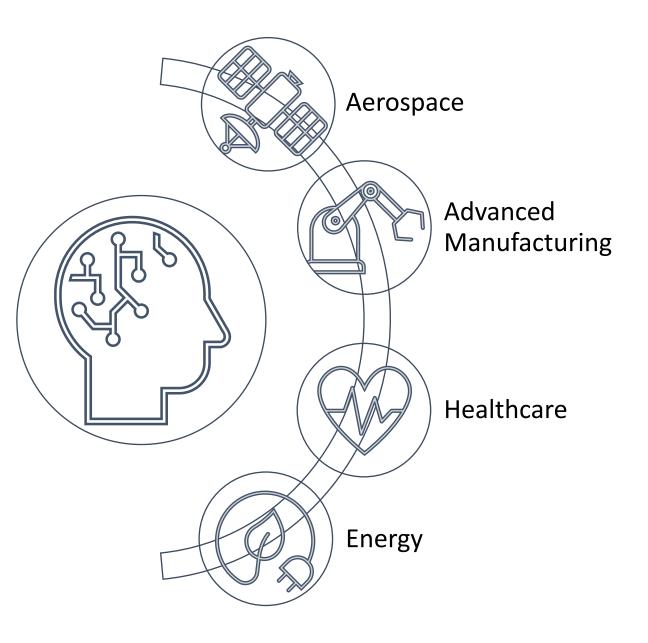


Sectors that Diversify Hawaii's Economy

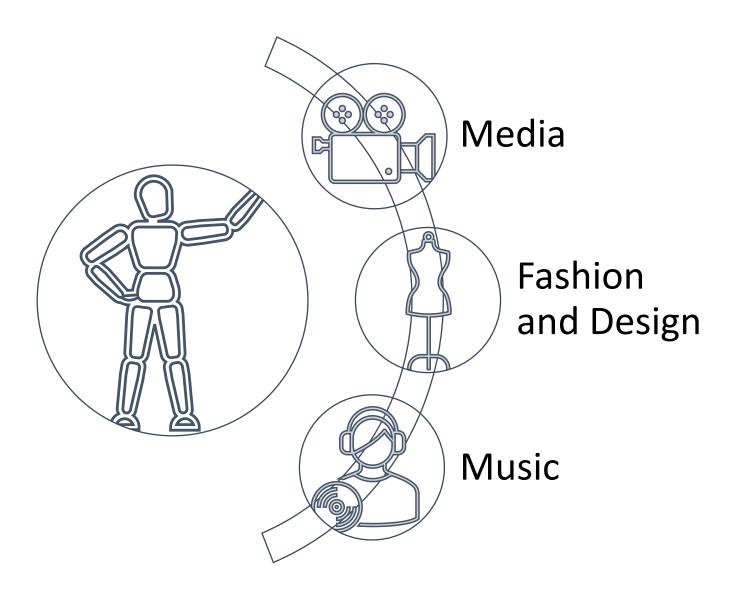




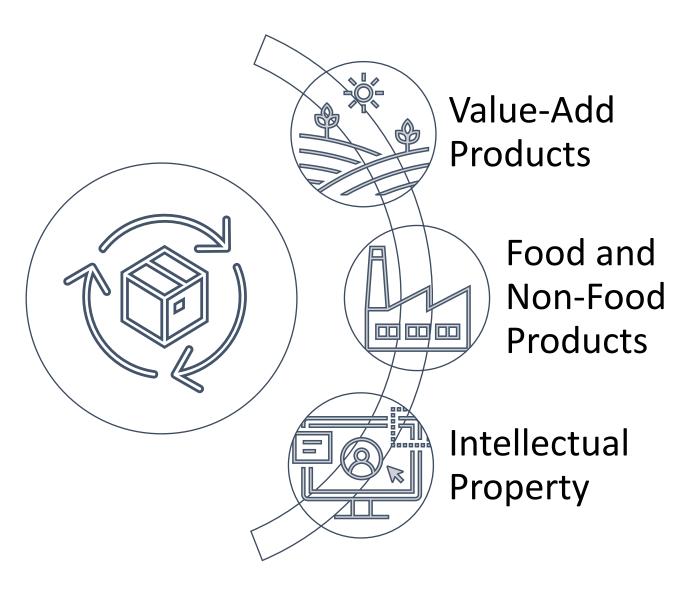














Incubation to Maturity Framework





Curriculum to Career



Infrastructure and Facilities



Policy Changes



Layering Incentives



CRADLE TO CAREER

Map it Out

Outline Workforce Development

Assessment of Assets

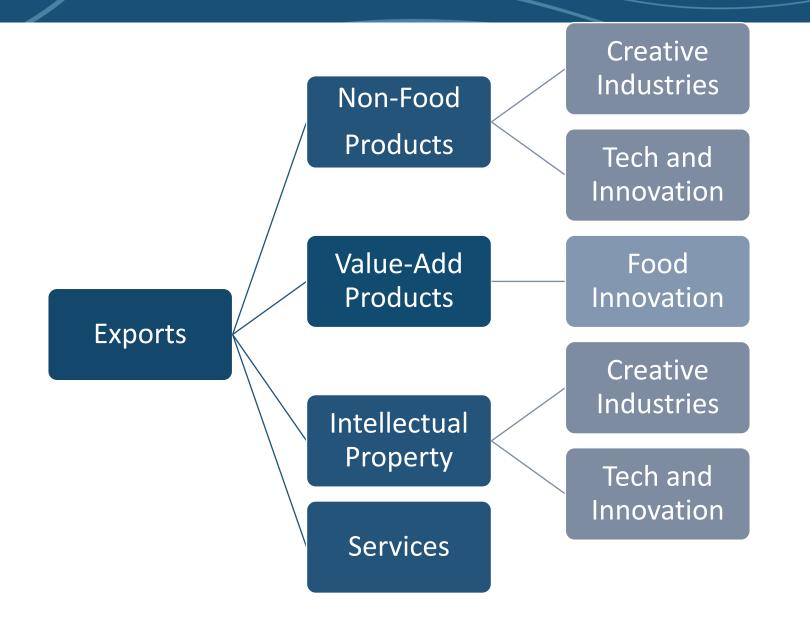
Identify Resources Needed







16





WORKFORCE DEVELOPMENT





Business Management, Finance, and Marketing	 Business Management Financial Management Entrepreneurship Marketing Management Supply Chain and Logistics Technology
Advanced Manufacturing	 Automation and Robotics Technology Electro-Mechanical Technology Welding
Energy	 Alternative Fuels Technology Power Grid Technology Renewable Energies Technology
Cultural Arts, Media, and Entertainment	 Digital Design Film and Media Productions Fashion and Artisan Design
Agriculture, Food, and Natural Resources	 Animal Systems, Food Systems Natural Resources Business Natural Resources Management



Manufacturing (Advanced, Additive, Subtractive)



CTE: Trades Welding Machining

DOD Education Programs – DOE High School Teachers



Honolulu Community College: DOD Approved Curriculum Technicians

> College of Engineering: Material Science Fabrication



Dept. of Defense Private Businesses Trades



Dept. of Defense: Pilot w/ Honolulu Community College – Summer 2025

> Public-Private Partnership: Dept. of Defense Private Businesses



Food and Product Innovation Network



CTE: Business Management, Finance, and Marketing Agriculture, Food, and Natural Resources



Leeward Community College Maui College Kauai Community College Hawaii Community College Palamanui



Aina to Makeke Mana Up Pop-up Makeke



Employers



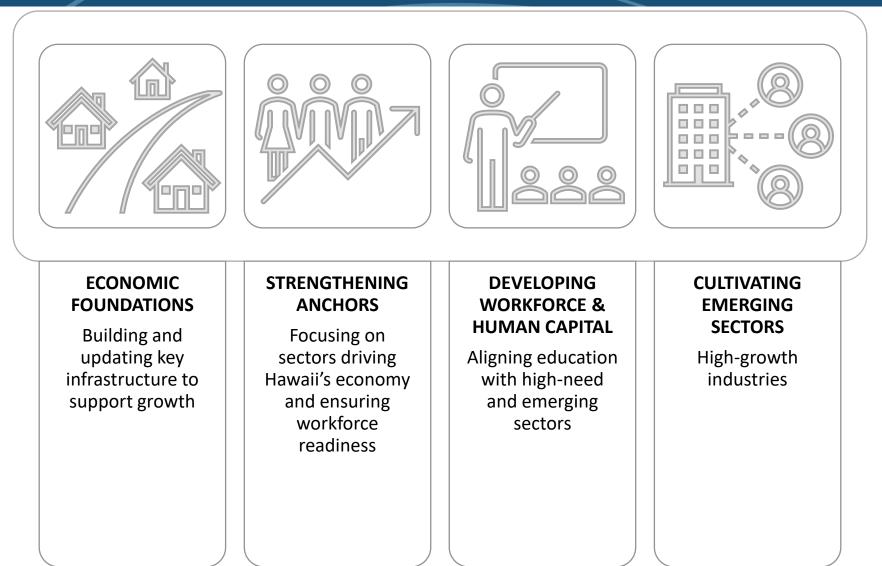
Creative Lab Innovation Center





Implementation







25 Sources: OPSD: 2010 Rural Economic Development Planning Report; 2023 Hawai'i State CEDS; Hawaii State Plan Update Phase I







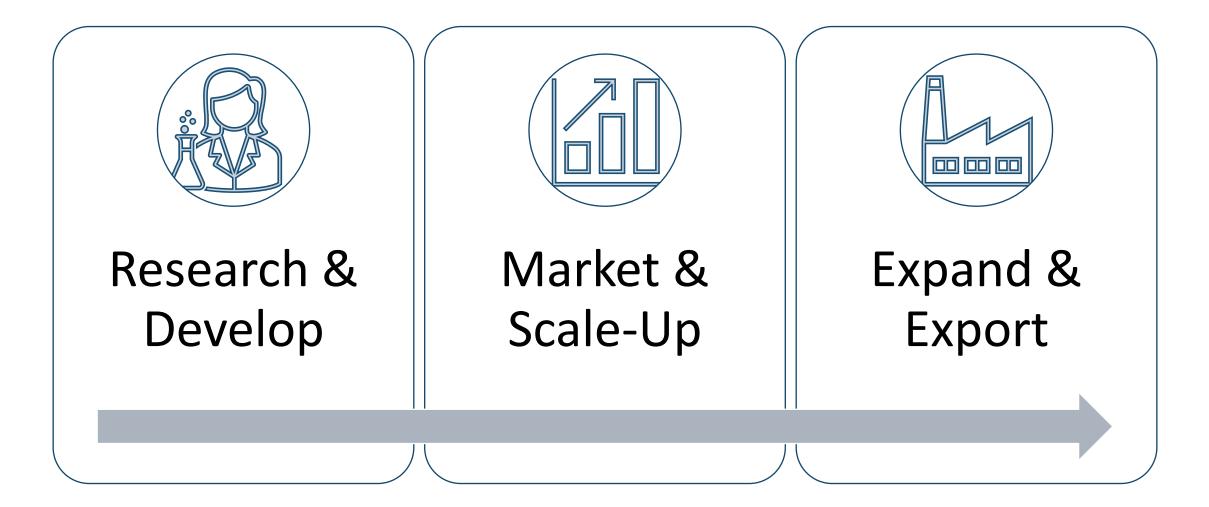
STARTUP

GROWTH

COMMERCIAL

EXPORT









Modernization of Equipment and Processed Centralized Location for Facilities and Infrastructure to Minimize Cost Access to Land and New Markets for Farmers and Ranchers to Sell Product



Increase Food Manufacturing and Maximize Hawai'i's Brand and Market



Value-Add Product Development Center (UH-KCC) Food & Product Innovation Facility (ADC)

> Value-Add Product Development Center (UH-LCC)

Food & Product Innovation Facility (ADC) Maui Food Innovation Center (UH-Maui College)

Food & Product Innovation Facility (ADC)

> Value-Add Product Development Center (UH-HCC - Palamanui)

Food & Product Innovation Facility (ADC)







Infrastructure and Facilities to Help Small Businesses Expand

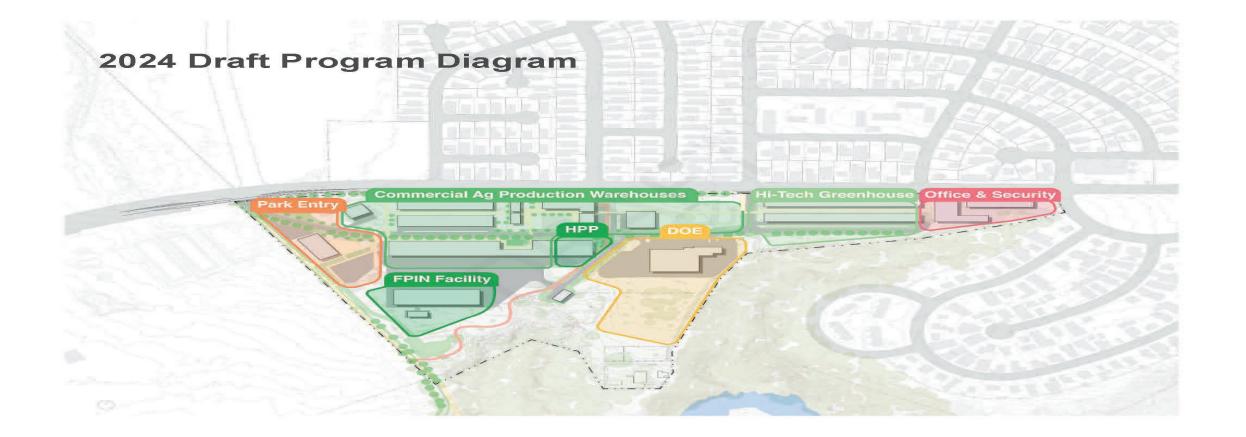














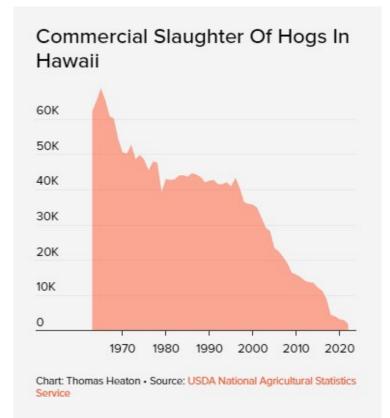


Infrastructure and Facilities to Support Economic Growth

34

Hawaii's demand for pork is on the rise but slaughterhouses cater to beef









Infrastructure and Facilities to Support Economic Growth

Economic Impact of the Irrigation Systems

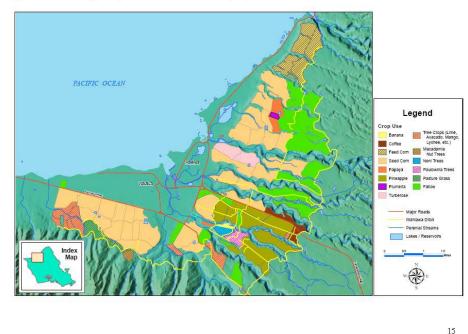


Figure 2. Wahiawa Irrigation System-Serviced Area: Land Use by Crops

- Farm Production (2007)
 - WIS enabled \$37.7 million in farm production
 - Supported 569 jobs
 - Generated \$14.4 million in household earnings
 - Direct contribution to Hawaii's GDP was nearly \$28 million
- Total Economic Impacts
 - \$85.2 million in goods and services
 - 980 jobs
 - \$28.7 million in household earnings across various industries (construction sector benefited the most, followed by agriculture, real estate, and health services)
- Regional Impacts
 - Farm operations in the WIS-serviced area also impacted Hawaii, Kauai, and Maui counties, supporting jobs and economic activities beyond Honolulu County





Infrastructure and Facilities to Support Economic Growth

9-1-013:097

9-1-013:110

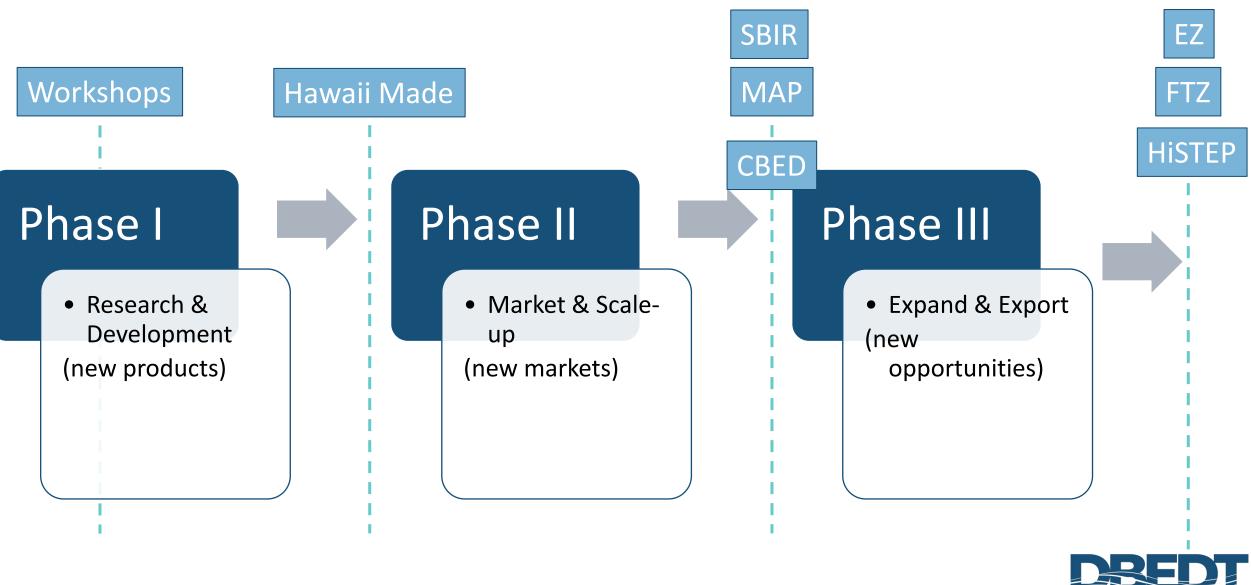
Department of Hawaiian Home Lands 9.72 acres Total Assessed Value: \$14,928,100

otal Assessed Value: \$33,493,100

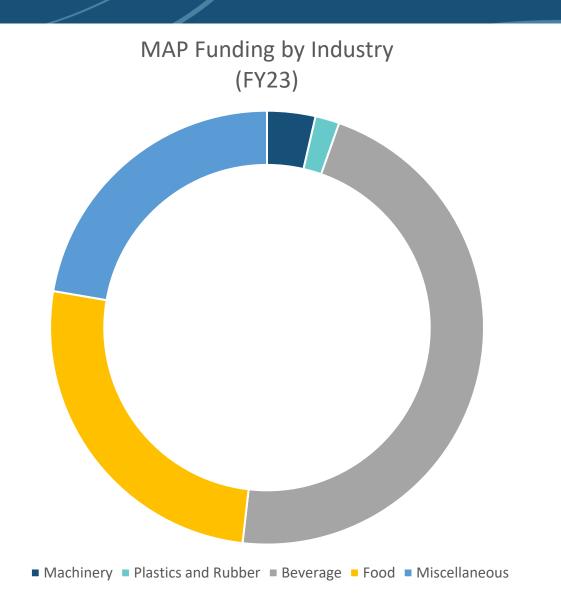
250 500 Fee

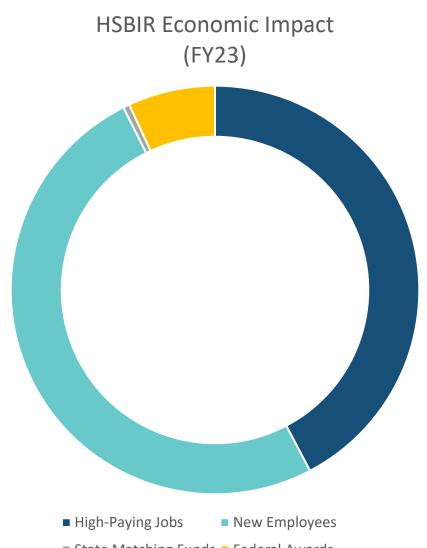
Eco-System





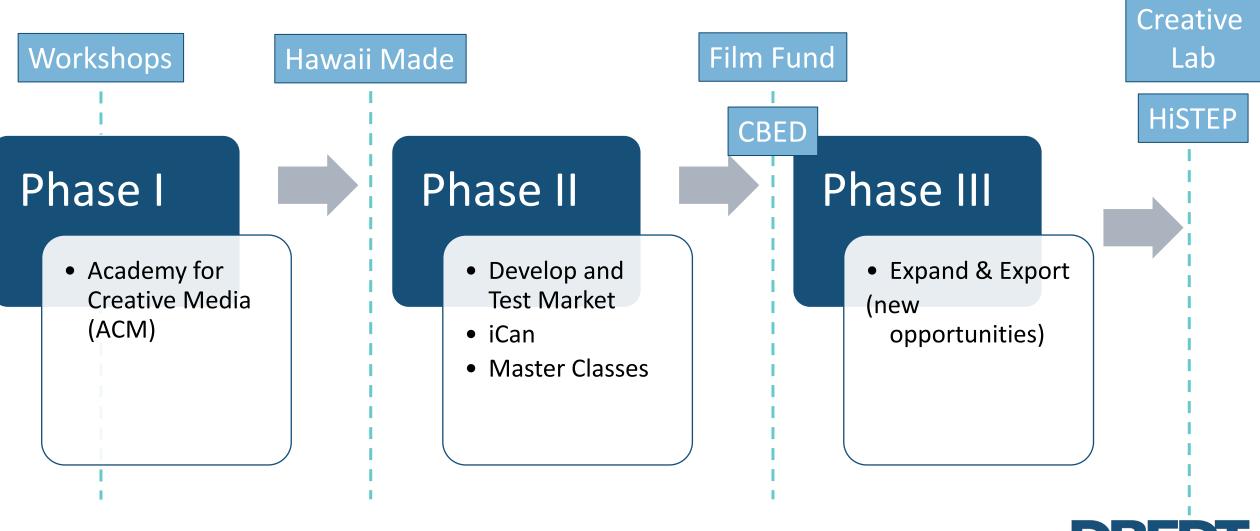
STATE OF HAWAI'I • DEPARTMENT OF BUSINESS ECONOMIC DEVELOPMENT & TOURISM





State Matching Funds Federal Awards



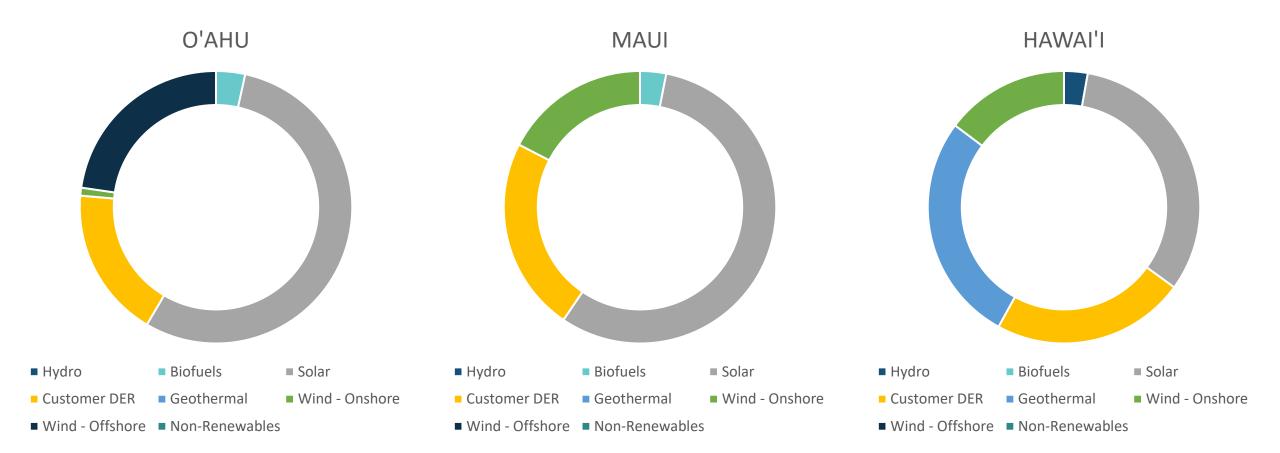




Energy Stabilization



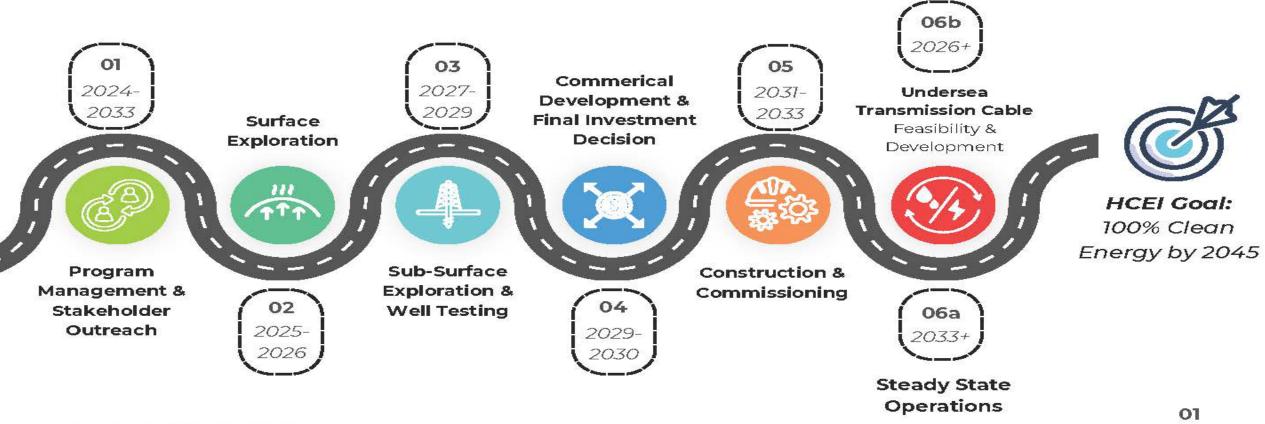
Integrated Grid Plan by 2045





Integrated Geothermal Development Roadmap

(Proof of Concept / Scale Geothermal of a Utility Scale 50-100MW Power Station)



*Please note all figures are estimates to be confirmed



Hawaii Inter-Island Power Supply Development

(On-Going Development Activities for 1000MW+ Geothermal Energy Production)

Transportation & Energy

Surface Exploration

- Continued Activity from Phase 1
- Start as early as 2029
- Run Concurrently with Commercial Development for Stand Alone Power Station

Sub-Surface Exploration & Well Testing

- Continued Activity from Phase 1
- If Large Scale Geothermal Potential Confirmed Undersea Transmission Cable investigation to begin in 2030
- Undersea Cable = 10 year planning, entitlements & construction period

Commercial Development & Final Investment Decision

Transmission Cable Option

- Utility Scale 50-100MW Power Station
- Continued Activity from Phase 1



STATE OF HAWAI'I • DEPARTMENT OF BUSINESS, **ECONOMIC DEVELOPMENT & TOURISM**

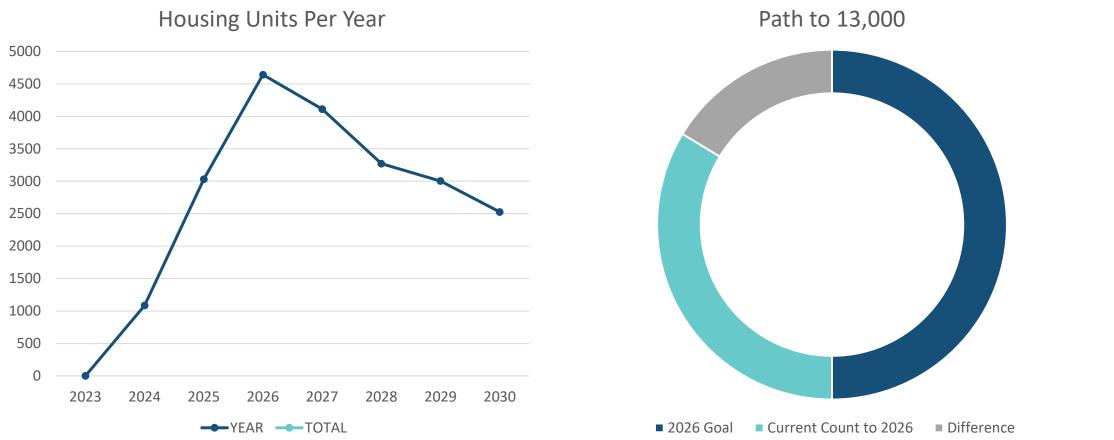
Feasibility & Development

02

2029

Housing







48 Sources: Office of Planning and Sustainable Development, Land Use Commission, Hawaii Housing Finance Development Corporation, Hawaii Community Development Authority

MAHALO

