Palekana Aloha

Preparing the Next Generation for the Challenges We Leave Behind
International Exchange Rate GDP
Purchasing Power Parity GDP

China surpasses the US GDP in PPP and Real terms by 2018
India surpasses the US GDP in PPP and Real terms btw 2047-2049
National Power Index

China > EU in 0 to 20 years
China > US in 14 to 24 years

[4-Power: GDP, Population, Military spending, Technology]  
[MC Power: 4-Power + Health, Education, Governance]
CABINET DEPARTMENTS

- Health and Human Services Dept.
- USAID*
- Education Dept.
- HUD gross total
- Agriculture Dept.
- Other Energy Dept.
- Justice Dept. mandatory changes
- Labor Dept.
- Transportation Dept.
- Energy Dept.
- Commerce Dept.
- Interior Dept.
- Justice Dept. program level
- Treasury Dept.
- National Nuclear Security Admin.
- HUD receipts
- Veterans Affairs
- Defense Dept.

Percent of spending, including discretionary and mandatory

- -12.6 bil
- -10.9 bil
- -9.2 bil

Social Security 25.3%
Health 28%
Defense/Homeland Security 16.2%
Remainder 9.1%
Veterans 4%
Transportation 4%
Food & Agriculture 4%
Education 3%
Int’l Affairs 2%
Energy 1%
Science 1%
Labor 1%
United States Debt as a Percentage of GDP (1940 - 2012 est)

- Current US Debt:GDP: 106%
- US-China Trade Deficit: $1.2 Tril
- China Control of US Debt: 5.8%
- United States Debt > GDP: Insolvent 2029
- Medicare: Insolvent 2029
- Social Security: Insolvent 2038

United States:
- Budget Control Act 2011 and sequestration
- 2012 budget proposal
- 2013 budget proposal

Source: IISS

Economist.com/graphicdetail
Hawai'i consistently ranks among the top 10 states in federal spending per capita, according to the U.S. Census Bureau's Consolidated Federal Funds Report.

Hawaii's Sen. Inouye defends earmarks for his home state (Honolulu Advisor)

October 04, 2009

WASHINGTON — Seniority has its privileges.

But it comes with burdens as well.

Sen. Daniel Inouye, new chairman of the Senate Appropriations Committee, can attest to that as he shepherds through federal spending bills that are boons for Hawai'i but that deficit hawks have been attacking amid fierce debates over federal spending and spiking deficits.

That was especially evident in the last week during debate over a $636 billion military spending bill flush with money for Hawai'i.

In the defense bill alone, Inouye has 31 earmarks worth $178 million, and four earmarks worth $28.5 million in concert with other members, according to Washington-based Taxpayers for Common Sense, a nonpartisan watchdog group.
So What?  

- United States Government is broke  
- China has overtaken the United States in terms of economic power and will overtake the United States completely in 20 years  
- In the next 10 years, medical and social security will be debt driven  
- China has a positive trade deficit with the United States and holds over $1 trillion dollars of sovereign debt  
- The United States military is funded at the expense of health, education and welfare  
- Maintaining military supremacy over China will accelerate the decrease of American health, education, overseas development budgets accelerating the nation’s decline as a global power  

So What Hawaii?  

- Hawaii is 5th highest recipient of federal funding per capita  
- Hawaii has significant health, education and welfare challenges  
- DoD composes 18% of Hawaii’s economy  
- Pacific Command (PACOM) is the largest of the 6 Geographic Combatant Commands  
- Hawaii Congressmen cannot ensure continued federal funding for State subsidized programs  
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UH Applied Research Laboratory

**Potential**

- Bring together the civilian and military stakeholders in Hawaii to utilize DoD research funds to strengthen national security through health, education and sustainable development innovations.
Mechanisms and Pathways

- DoDD 1328.08E Voluntary Education Program for Military Personnel
- DoDD 1342.20 DoD Education Activity
- DoDD 2000.05E Maritime Domain Awareness
- DoDD 2000.13 Civil Affairs
- DoDI 3000.05 Stability Operations
- DoDD 3000.07 Irregular Warfare
- DoDD 3000.10 Contingency Basing Outside the United States
- DoDD 3160.01 Homeland Defense Conducted by National Guard
- DoDI 3020.48 Maritime Operational Threat Response (MOTR)
- DoDI 3201.01 Management of DoD R&D Laboratories
- DoDI 3025.17 Civil-Military Assistance for Charitable Organizations
- DoDD 4715.21 Climate Change Adaptation and Resilience
- DoDD 5100.46 Foreign Disaster Relief
- DoDD 5134.3 Director of Defense Research and Engineering

- PACOM J9
- Military Affairs Council
- East West Center
- APCSS
- Pacific Disaster Center
- NDPTC
- CFE-DMHA
- Hawaii National Guard SPP
- UH Sustainability Institute
Whole Community Human Security Engagement

Virginia Wins $120.5 Million Sea Level Rise Grant Spearheaded by ODU

By Brendan O’Halloran

A project coordinated by Old Dominion University in the Coastal Resilience Virginia and three other states has been selected to help protect the region from the effects of climate change and sea level rise. The project was awarded $120.5 million through the National Disaster Resilience Competition (NDRC), which was funded by HUD with assistance from the Rockefeller Foundation.

“Old Dominion University and Virginia were selected by HUD as one of 12 projects to receive funding through the NDRC in a competitive bid process that evaluated proposals from states and municipalities nationwide,” said HUD Secretary Julian Castro, who attended the Jan. 21 announcement at Norfolk’s Grandy Village Learning Center. “This award is designed to help Virginia and other coastal communities prepare now for the effects of rising seas and severe weather conditions that we know will be more common in the years and decades to come.”

The grant will be used to fund projects that address climate change and sea level rise in Virginia. The projects will be implemented by Old Dominion, which will work closely with Virginia communities to ensure that the projects are successful.

“Old Dominion is excited to work with Virginia communities to develop projects that will help them prepare for the effects of climate change and sea level rise,” said Old Dominion President Dr. John McCarthy. “This grant will help us to address these challenges and ensure that Virginia is prepared for the future.”

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**GAO 14-446 Climate Change Adaptation**

**DoD Assets at Risk**
- Climate change impacts on DoD installations threat to national security
- 500,000 Military installations worldwide
- 28 million acres of land
- $850 billion dollars real estate value

**Asia Pacific Region**
- PACOM – Largest COCOM
- PACOM – Most populated coastline
- PACOM – Navy Commander
- Hawaii – 10 military installations
- USAKA – Key installations at risk
The Hawaii proposal, titled "Autonomous Control Technology for Unmanned Aerial Systems with Agricultural and Environmental Applications in Central Pacific Islands", has two main goals:

1) To create and validate integrated targeting, guidance, navigation and control framework and software algorithms for an onboard implementation

2) To develop and disseminate educational courses and outreach activities in the design and development of unmanned aerial systems with applications to Earth sciences in the Central Pacific Islands.

The proposed work will be performed in collaboration with partners on Maui, Lanai and Kauai and with the College of Marshall Islands and the University of Guam.
Final Goal: Resilient Hawaii

Use existing resources and authorities to improve climate preparedness and resilience through deliberate preparation, close cooperation, and coordinated planning between the Department of Defense, federal, State, local, tribal, private sector, and nonprofit sector efforts.

And by making Hawaii a national model of public private partnership in defense, health, education, climate change and sustainable development ~ help transform the military industrial complex into a human security network.
China largest investor in climate change
$106 bil (2015)
74% of compact fluorescent bulbs
80% of solar panels

“OBOR”
60 Nations
4.6 billion people
900 separate economic deals
12 times size of Marshall Plan