

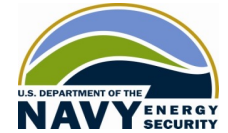
# ***Installation Resilience***

***Sandy Kline***

Director Installation Resilience, Office of the Assistant  
Secretary of the Navy (Energy, Installations, and  
Environment)

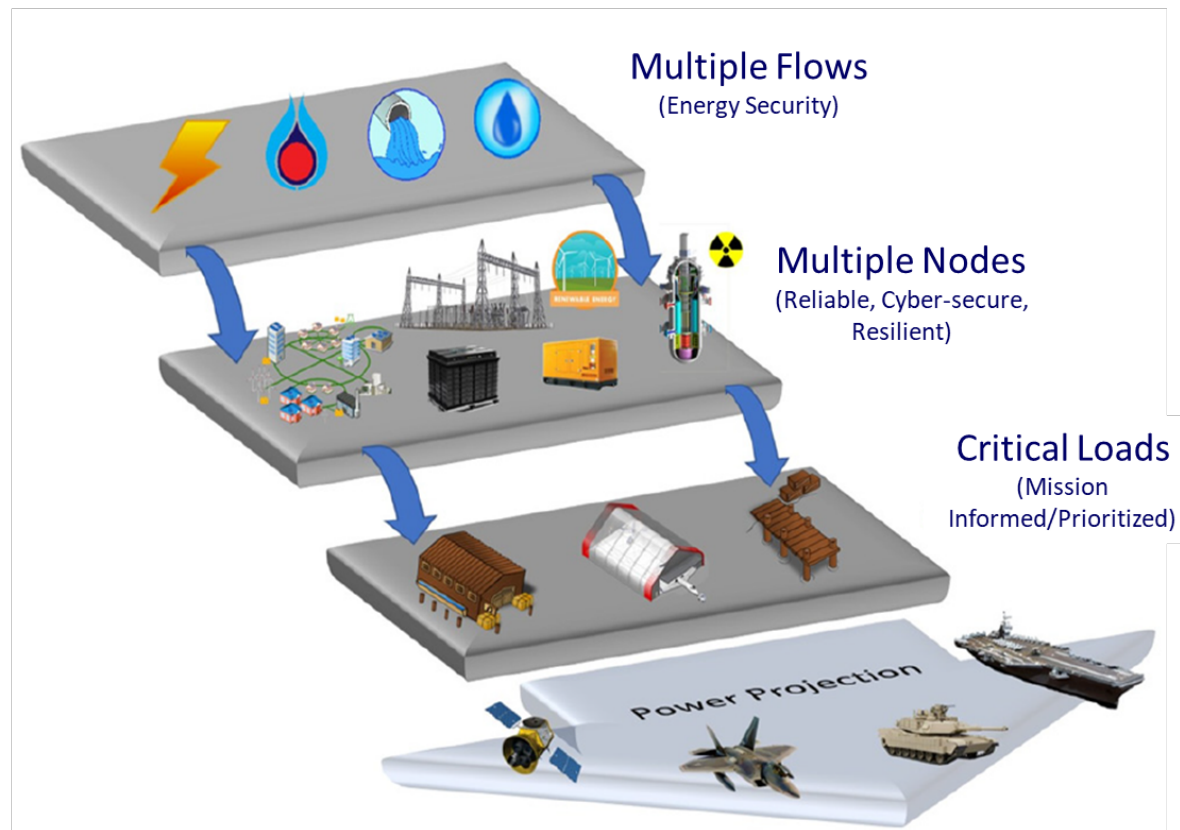


# Shore Resilience



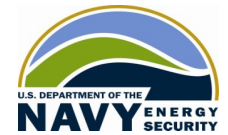
Energy is replacing kinetics as the foundation of new weapons systems. As a result, the DON considers its shore infrastructure as the platform to which its military capabilities are launched and an integral part of our nations defense.

- **National Defense Strategy (NDS)**
- **Moving the needle forward at speed and scale**
- **Irreversible implementation of the NDS**





# Resilience - Mission Derived



The process for ensuring continuity of wartime missions is the purview of the Chairman, Joint Chiefs of Staff (CJCS) in coordination with all services and provides the basis for identifying threats and vulnerabilities to mission accomplishment.

## MISSION ASSURANCE CRITICALITY

### TASK CRITICAL ASSET

**(TCA)** – An asset of such extraordinary importance that its incapacitation or destruction will have a serious or debilitating effect on the ability to execute the mission essential task it supports

*DODI 3020.45*

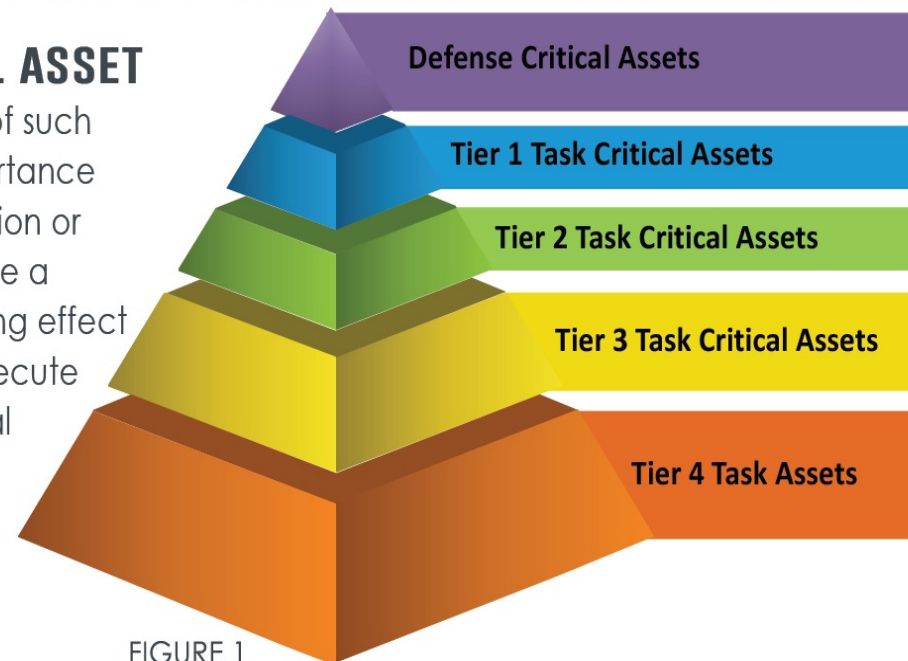


FIGURE 1

The DOD Mission Assurance (MA) process provides a “stress test” of installation assets to support strategic priorities expressed in theater posture plans, operation plans, and core mission essential tasks by assessing strategic risks to U.S. interests and national security.



# Installation Energy



**STRATEGIC VISION:** Assured energy whenever and wherever it's required to enable mission accomplishment.

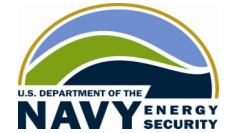


The Department defines installation resilience as the ability of naval platforms around the world to accomplish their missions despite the actions by adversaries or other events to deny, disrupt, exploit, or destroy installation-based capabilities





# Energy Strategic Goals



**Goal 1:** Resiliency - Increase energy resiliency for Defense and Task Critical Assets and Infrastructure to ensure continuity of mission while minimizing vulnerable fuel supply chains.



**Goal 2:** Reliability - Improve assured access to reliable and quality energy for Defense and Task Critical Assets and Infrastructure and enable mission execution.

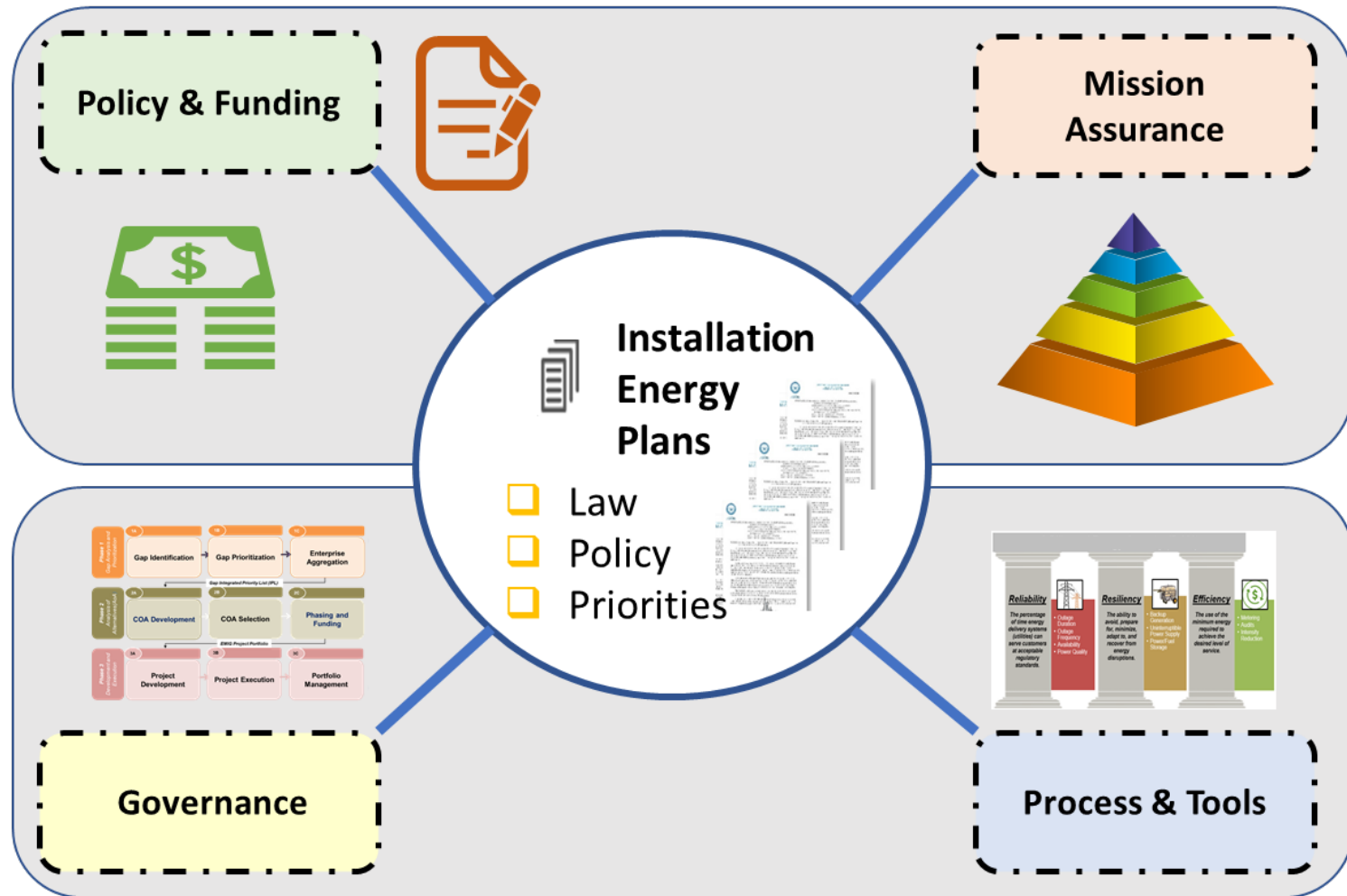


**Goal 3:** Efficiency - Increase energy efficiency to extend operational durations for Defense and Task Critical Assets and Infrastructure and enable mission execution.



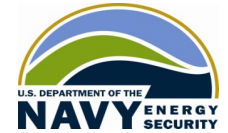


# Energy Resiliency Framework



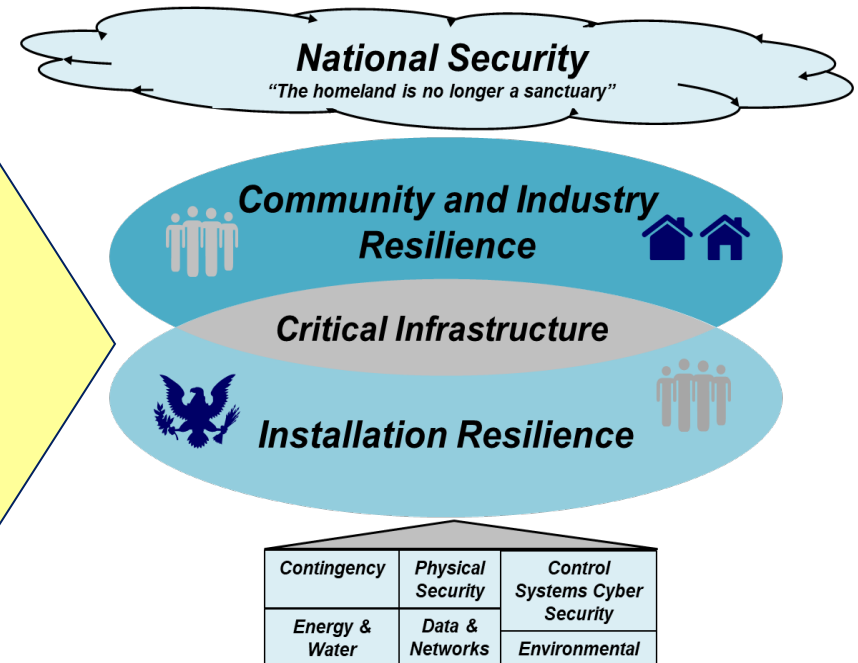
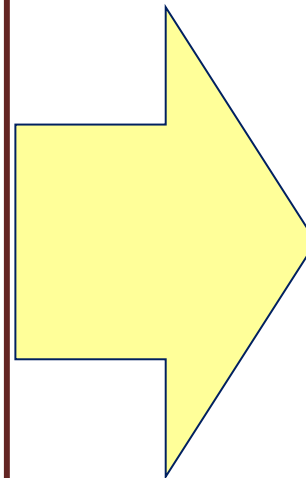


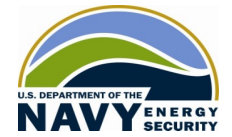
# Installation Resilience Initiatives



## Initiative Focus Areas

- *Master Planning Updates*
- *Installation Energy & Water Plans*
- *DOD Climate Assessment Tool*
- *Defense Sea Level Rise Database*
- *Resilience Tools & Capabilities (P&D)*
- *Updating Unified Facilities Criteria*
- *Industry & Community Partnerships and Third-Party Financing*





# ***BACK UP***





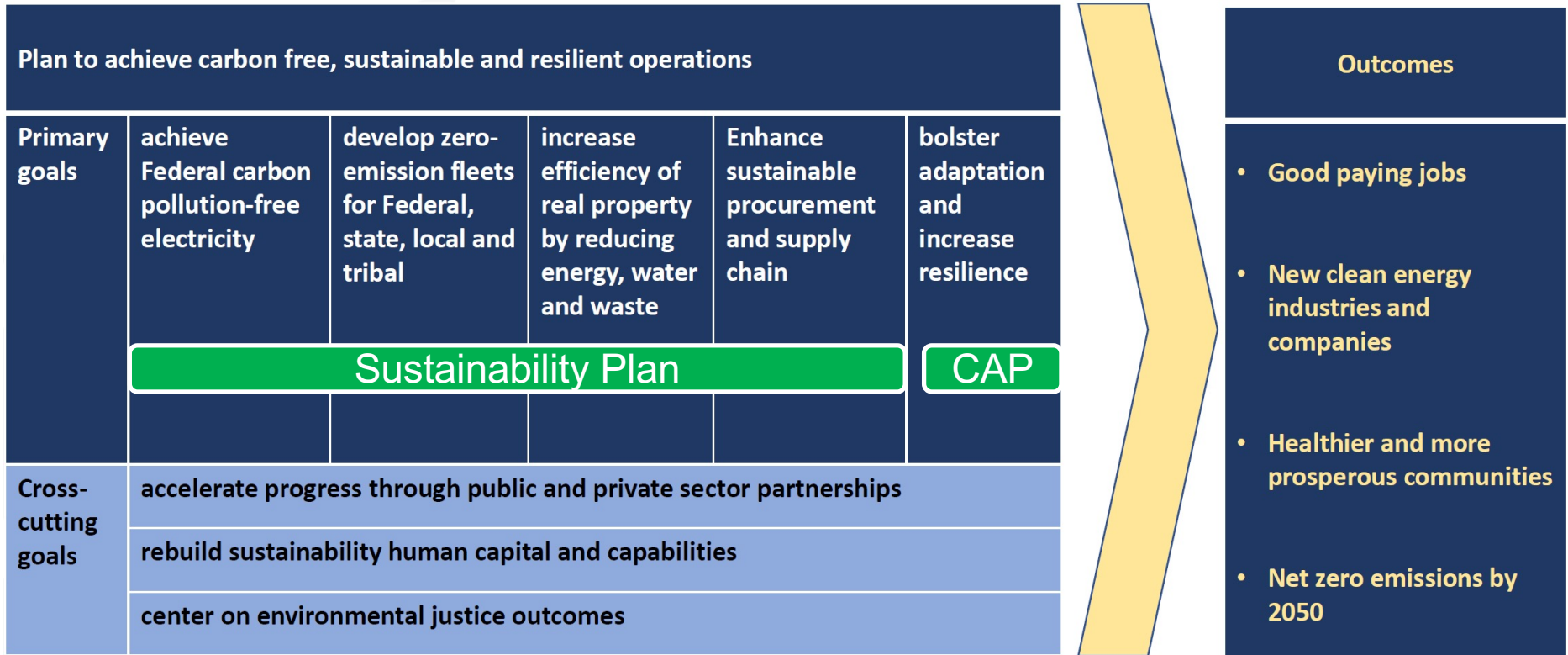
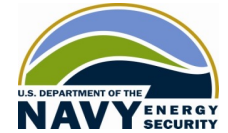
# DoD Climate Adaptation Plan (CAP)



- *The DoD Climate Adaptation Plan (CAP) will meet the requirements of Section 211 of Executive Order (EO) 14008, Tackling the Climate Crisis At Home and Abroad.*
  - *The primary purpose of this plan is to “integrate climate change adaptation and climate resilience across agency programs, management of real property, public lands and waters, and financial services.”*
  - *This CAP builds upon the actions and the activities outlined in the DOD 2014 Climate Change Adaptation Roadmap.*
- *Aligns climate change adaptation and resilience efforts with Department’s Warfighting missions.*
- *Articulates a bold vision for organizational change by including activities and processes, absent from previous climate change related efforts.*
- *Plan does NOT address climate change mitigation activities - these will be captured in Agency Sustainability plan to be published in accordance with a new EO now under development.*

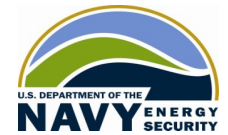


# Federal Sustainability Framework





# Energy Financing Tools



- E**  
**N**  
**E**  
**R**  
**G**  
**Y**  
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**O**  
**J**  
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**R**  
**I**  
**T**  
**I**  
**E**  
**S**
- Enhanced Use Lease**  
*10 USC §2667*

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  - Energy Savings Performance Contract**  
*42 USC §8287*

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  - Utility Energy Service Contract**  
*10 USC §2913*

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  - Power Purchase Agreement**  
*10 USC §2922a*

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  - Utility Service Contract**  
*40 USC §501, FAR Part 41*

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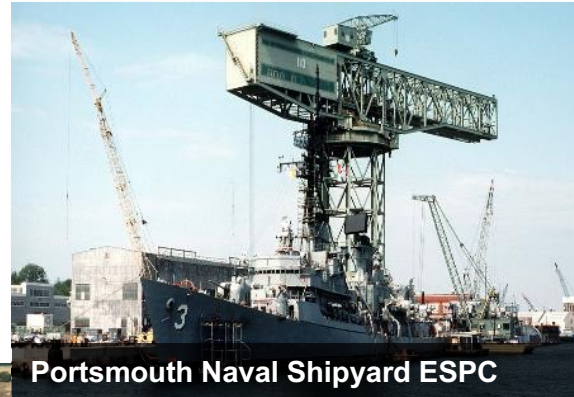
  - Energy Resilience & Conservation Investment Program**  
*10 USC §2914*

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  - Utilities Privatization**  
*10 USC §2668*

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  - Intragovernmental Support Agreements**  
*10 USC §2679*



Portsmouth Naval Shipyard ESPC



Naval Station Guantanamo Bay ESPC



Pacific Missile Range Facility EUL



Port Hueneme EUL



Marine Corps Air Station Yuma EUL



Naval Support Activity Mid-South EUL

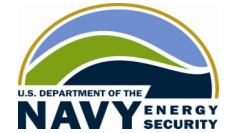


Marine Corps Air Station Miramar IGSA





## *Title 10 U.S.C 2912 Authority*



In FY20, the DON successfully piloted processes for leveraging Congressional Authority 10 U.S.C § 2912, Availability and Use of Energy Cost Savings, to transfer validated Navy (\$40M) and Marine Corp (\$5M) installation energy cost savings generated in FY15 into a “no-year” account.

- 50% of funds to Installations that generated savings for projects that enhance family housing, quality of life of personnel; or any welfare, or recreation facility or service elected by the installation
- 50% of funds enterprise energy initiatives that enable achievement of reference SECNAV strategic energy goals and in coordination with Installation Energy Policy Board Stakeholders, and existing governance processes