

CLEARED
For Open Publication

Feb 01, 2022

Department of Defense
OFFICE OF PREPUBLICATION AND SECURITY REVIEW

DEFENSE BUSINESS BOARD

SLIDES ONLY

NO SCRIPT PROVIDED



Defense Business Board Meeting

2 February 2022

Meeting Agenda

PUBLIC MEETING

- 10:00 – 10:10 AM (U) Opening Remarks - Jennifer Hill, Executive Director and Designated Federal Officer (DFO)
- 10:10 – 10:30 AM (U) Chair's Welcome - HON Deborah James
- 10:30 – 10:45 AM (U) Welcome/Opening Remarks - HON Dr. Kathleen Hicks, Deputy Secretary of Defense
- 10:45 – 11:45 AM (U) Climate and Resilience - Mr. Richard Kidd, Deputy Assistant Secretary of Defense for Energy & Environment Resilience
- 11:45 AM – 12:00 PM (U) Closing Remarks / Adjourn Public Meeting - Jennifer Hill
- 12:00 – 12:10 PM Break

ADMINISTRATIVE SESSION

- 12:10 – 12:15 PM (U) Open Administrative Session – Jennifer Hill
- 12:15 – 12:25 PM (U) Executive Analytics Study Update - Ms. Linnie Haynesworth
- 12:25 – 12:35 PM (U) Upskill / Reskill Study Update - Gen. Larry Spencer, USAF (Ret)
- 12:35 – 12:45 PM (U) Mentor Protégé Program Study Update - Mr. Joseph Anderson
- 12:45 – 12:55 PM (U) Chair's Remarks – HON Deborah James
- 12:55 – 1:00 PM (U) Adjourn Administrative Session - Jennifer Hill

SUBCOMMITTEE WORK SESSIONS

- 1:00 – 5:00 PM Lunch / Subcommittee Work Sessions (NOTE: separate Zoom meetings)

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Opening Remarks

Ms. Jennifer Hill

Designated Federal Officer

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Chair's Welcome

Hon. Deborah James
Chair, Defense Business Board

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Welcome / Opening Remarks

Hon. Dr. Kathleen Hicks

Deputy Secretary of Defense

Climate and Resilience Defense Business Board Quarterly Meeting



Richard G. Kidd IV
DASD for Environment and Energy Resilience
Office of the Deputy Assistant Secretary of Defense of Environment and Energy Resilience
02 February 2022



There is little the Department does to defend the American People that is not affected by Climate Change.

-Lloyd J. Austin III, Secretary of Defense

Climate change is reshaping the geostrategic, operational, and tactical environments with significant implications for US National Security.

-Department of Defense Climate Risk Analysis

Climate Change is THE context for all future National Security Planning.

-Deputy Secretary of Defense Kathleen H. Hicks



Climate Change is Impacting DOD



Operations:

- Increased global insecurity – “Failed States”
- International Humanitarian Response
- DSCA



Installations and Infrastructure

- Sea level rise
- Loss of access to training areas
- Flash floods
- Erosion
- Severe weather



People and Equipment

- Heat stress
- Performance Degradation



U.S. DNI: National Intelligence Estimate on Climate Change

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Climate Change and International Responses Increasing Risks to US Interests Through 2040

Risks to US national security interests through 2040 will increase as countries respond to the intensifying physical effects of climate change. Global temperatures

most likely will surpass the Paris Agreement goal of 1.5°C by around 2030, and the physical effects are projected to continue intensifying.

○ None ◐ Low ◑ Medium ◒ High

Risk		2021	2030	2040
Geopolitical Tensions Over Climate Responses	Perception of Insufficient Contributions to Reduce Emissions	◐	◑	◒
	Carbon Dioxide Removal not at Scale for Countries' Net-Zero Pledges	○	◐	◑
	Developing Country Demands for Financing and Technology Assistance	◑	◒	◒
	Petro States Resisting Clean Energy Transition Away From Fossil Fuels	◐	◑	◒
	Competition With China Over Key Minerals and Clean Energy Technologies	◐	◑	◒
	Contention Over Use of Economic Tools To Advance Climate Interests	○	◐	◑
Climate Exacerbated Geopolitical Flashpoints	Miscalculation Over Strategic Competition in the Arctic Leading to Conflict	○	◐	◑
	Cross-Border Water Tension and Conflict	◐	◑	◒
	Cross-Border Migration Attributed to Climate Impacts	◑	◒	◒
	Ungoverned Unilateral Geoengineering	○	◐	◑
Climate Effects Impacting Country-Level Instability	Strain on Energy and Food Systems	◐	◑	◒
	Negative Health Consequences	◐	◑	◑
	Internal Insecurity and Conflict	◐	◐	◑
	Greater Demand for Aid and Humanitarian Relief	◑	◒	◒
	Strain on Military Readiness	○	◐	◑

Source: DNI NIE, Oct 2021

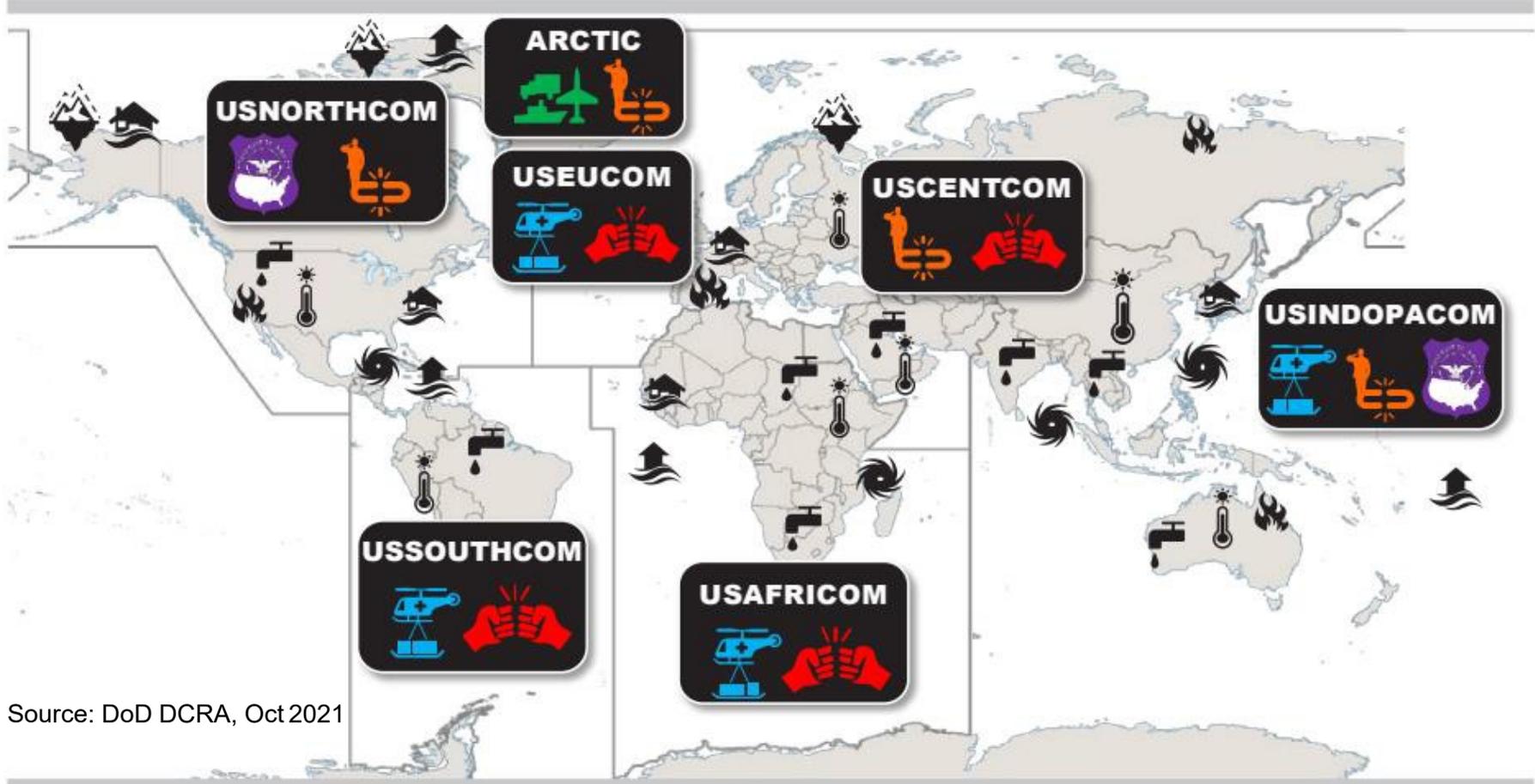
Note: This graphic does not project government and non-government actions that might mitigate risks. The IC defines the level of risk as the probability of the issue occurring multiplied by its assessed impact to US interests.

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DCRA: Representative Climate Change Hazards/Potential Impacts on DoD Missions



Source: DoD DCRA, Oct 2021

- Increased demand for defense support of civil authorities (DSCA).
- Increased demand for humanitarian assistance and disaster response (HADR) overseas.
- Transport, communication, and monitoring capabilities to operate in harsh environment.
- Altered, limited, or constrained environment for military operations.
- Instability within and among other nations.

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When we operate more sustainably, we become more logistically agile and ready to respond to crises.

-Secretary of Defense Austin, Leaders Summit on Climate 2021



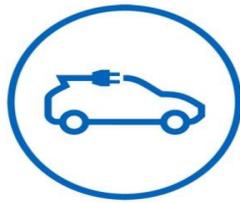


EO 14057 and Federal Sustainability Plan Goals

Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability (8 Dec. 2021)



100% Carbon Pollution-Free Electricity by 2030, including 50% on a 24/7 basis



100% Zero-Emission Vehicle Acquisitions by 2035, including 100% light-duty acquisitions by 2027



Net-Zero Emissions Buildings by 2045, including a 50% reduction by 2032



Net-Zero Emissions Procurement by 2050



Net-Zero Emissions Operations by 2050, including a 65% reduction by 2030



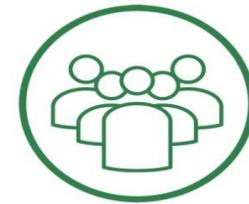
Climate Resilient Infrastructure and Operations



Develop a Climate- and Sustainability-Focused Workforce



Advance Environmental Justice and Equity-Focused Operations

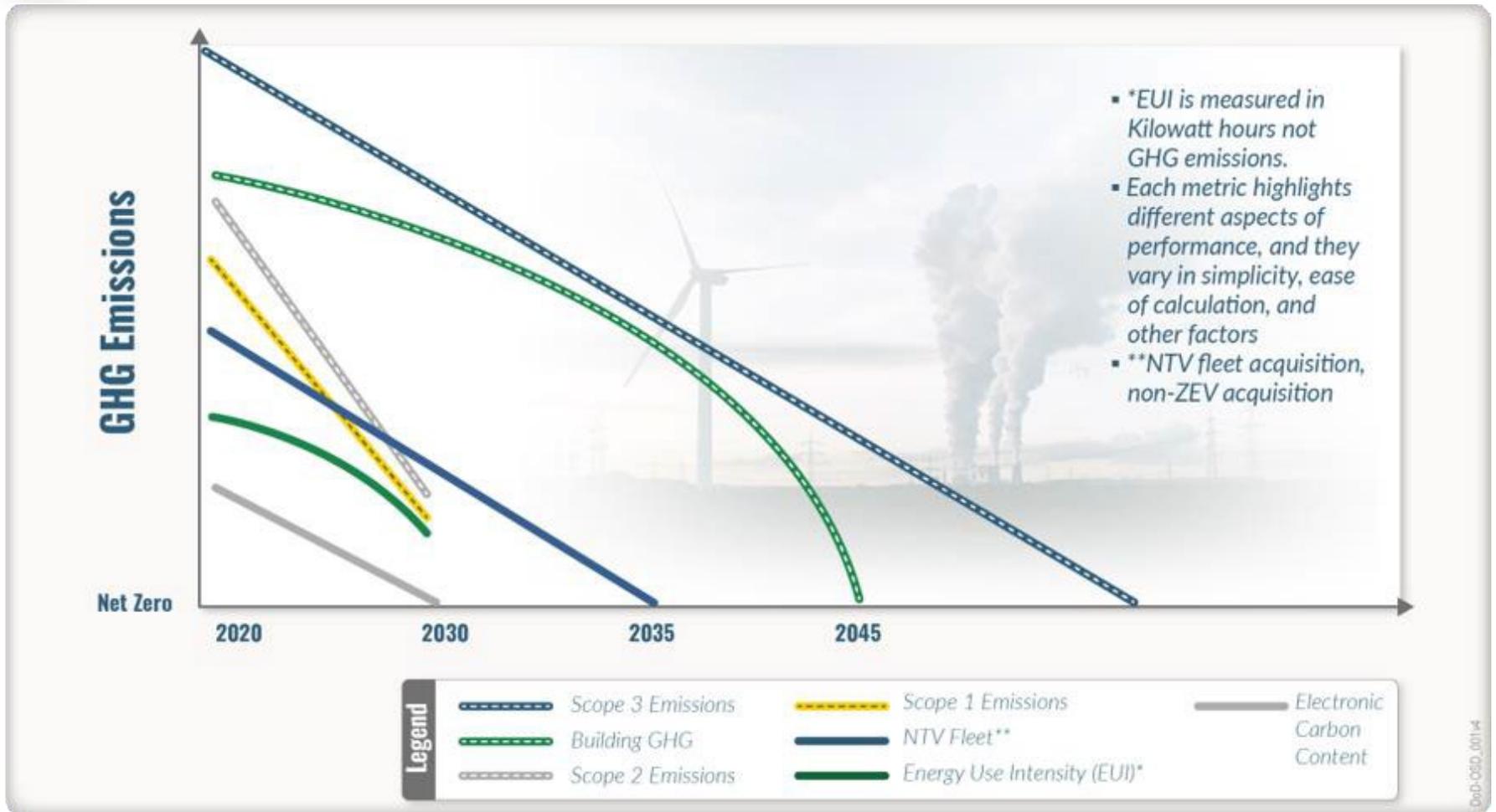


Accelerate Progress through Domestic and International Partnerships

This EO leverages the Federal government's scale and procurement power to mitigate climate change.



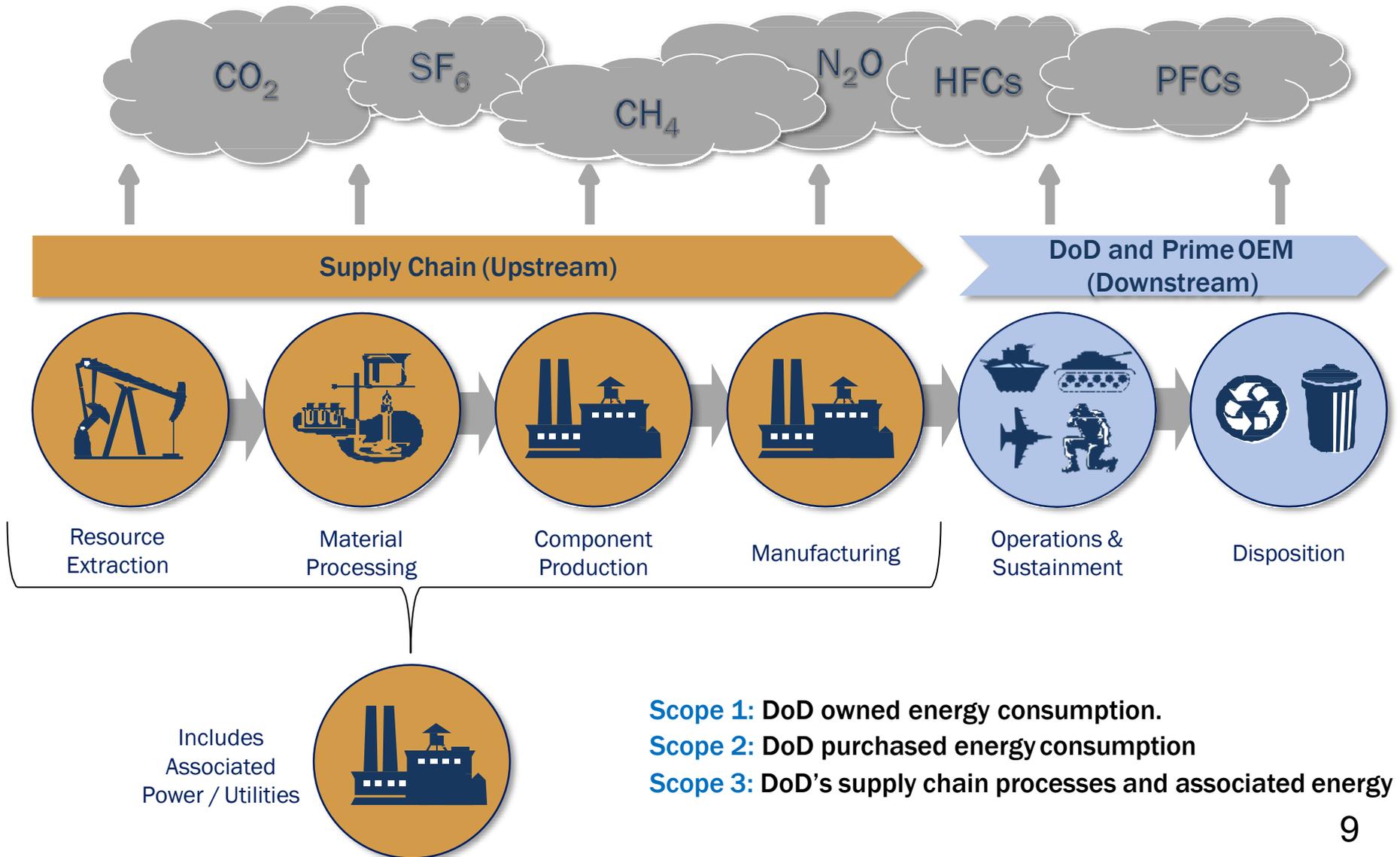
Sustainability and Climate Change Mitigation



Driving DoD GHG emissions toward net zero goals.

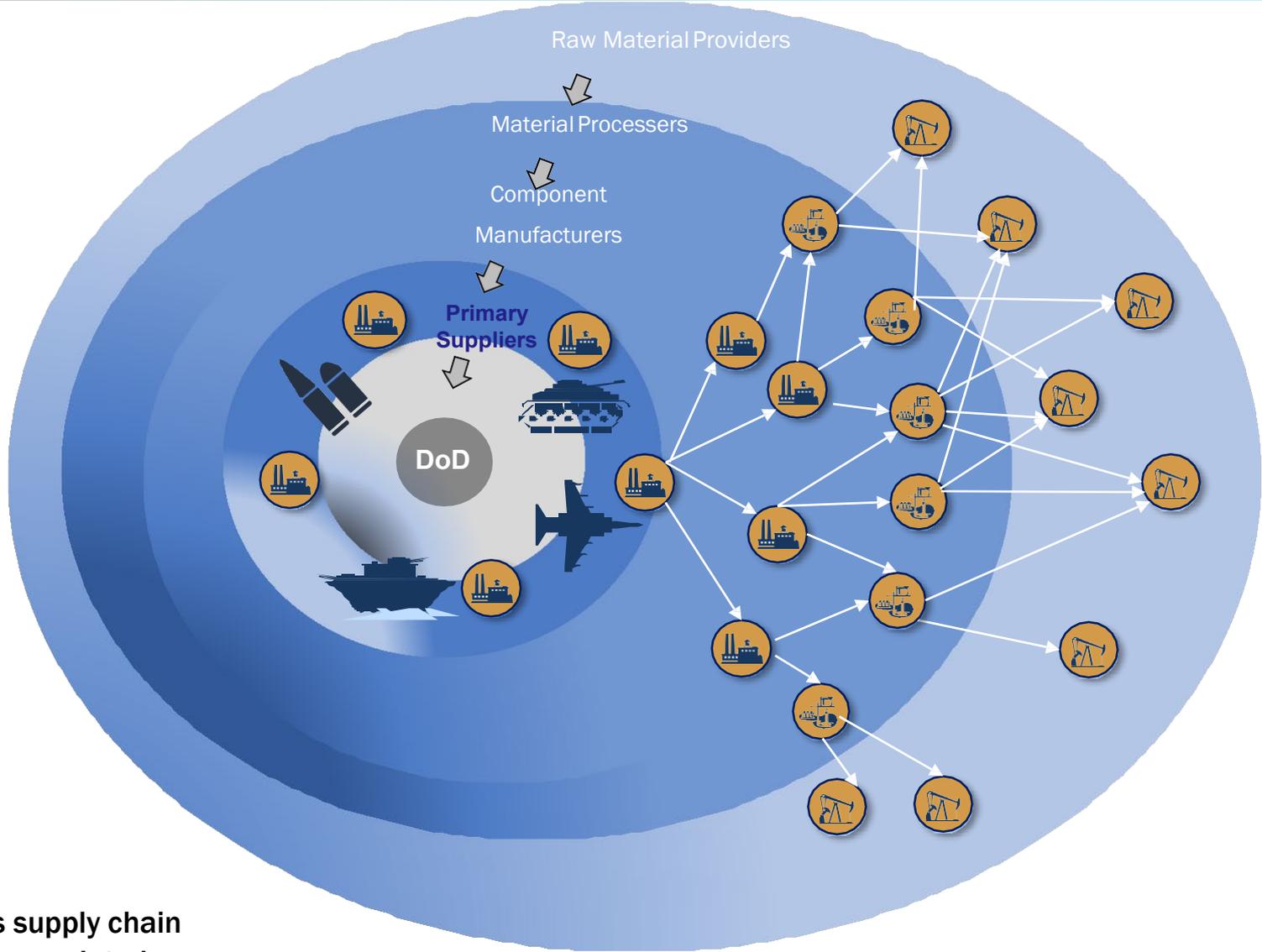


Greenhouse Gas (GHG) Emissions Tracking





Up Stream GHG Emissions



Scope 3: DoD's supply chain processes and associated energy

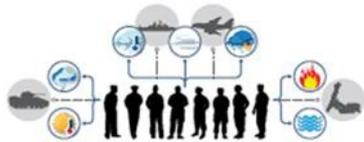


Climate Adaptation Plan Strategic Framework

5 LINES OF EFFORT (LOEs) reflect the scope and scale of DOD's adaptation and resilience efforts:



LOE 1: CLIMATE-INFORMED DECISION-MAKING



LOE 2: TRAIN AND EQUIP A CLIMATE-READY FORCE



LOE 4: SUPPLY CHAIN RESILIENCE AND INNOVATION

4 ENABLERS crosscut all five Lines of Effort:



Continuous Monitoring Data Analytics



Aligning Incentives to Reward Innovation



Climate Literacy



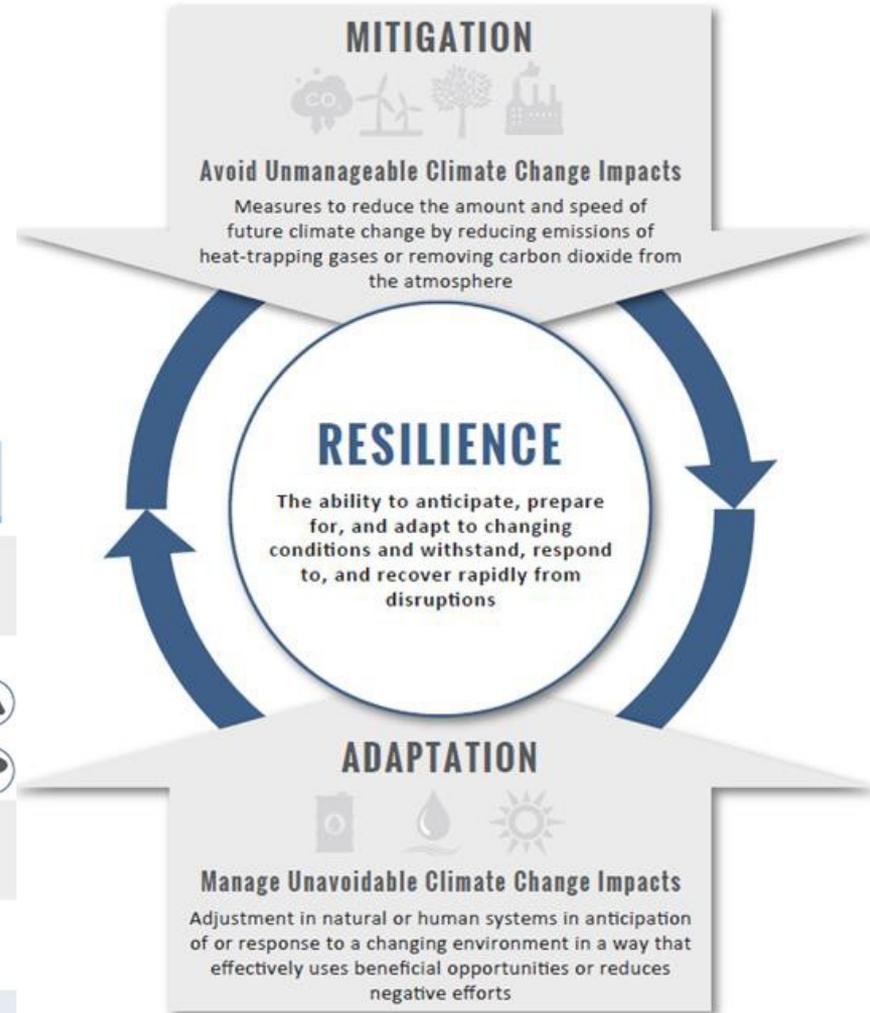
Environmental Justice



LOE 3: RESILIENT BUILT AND NATURAL INFRASTRUCTURE



LOE 5: ENHANCE ADAPTATION AND RESILIENCE THROUGH COLLABORATION



MITIGATION

Avoid Unmanageable Climate Change Impacts

Measures to reduce the amount and speed of future climate change by reducing emissions of heat-trapping gases or removing carbon dioxide from the atmosphere

RESILIENCE

The ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions

ADAPTATION

Manage Unavoidable Climate Change Impacts

Adjustment in natural or human systems in anticipation of or response to a changing environment in a way that effectively uses beneficial opportunities or reduces negative efforts

END STATE: The above five Lines of Effort and four enablers are to ensure that DOD can operate under changing climate conditions, preserving operational capability and enhancing the natural and man-made systems essential to the Department's success.



The country that wins the race to the clean energy future – wins.
-Unknown

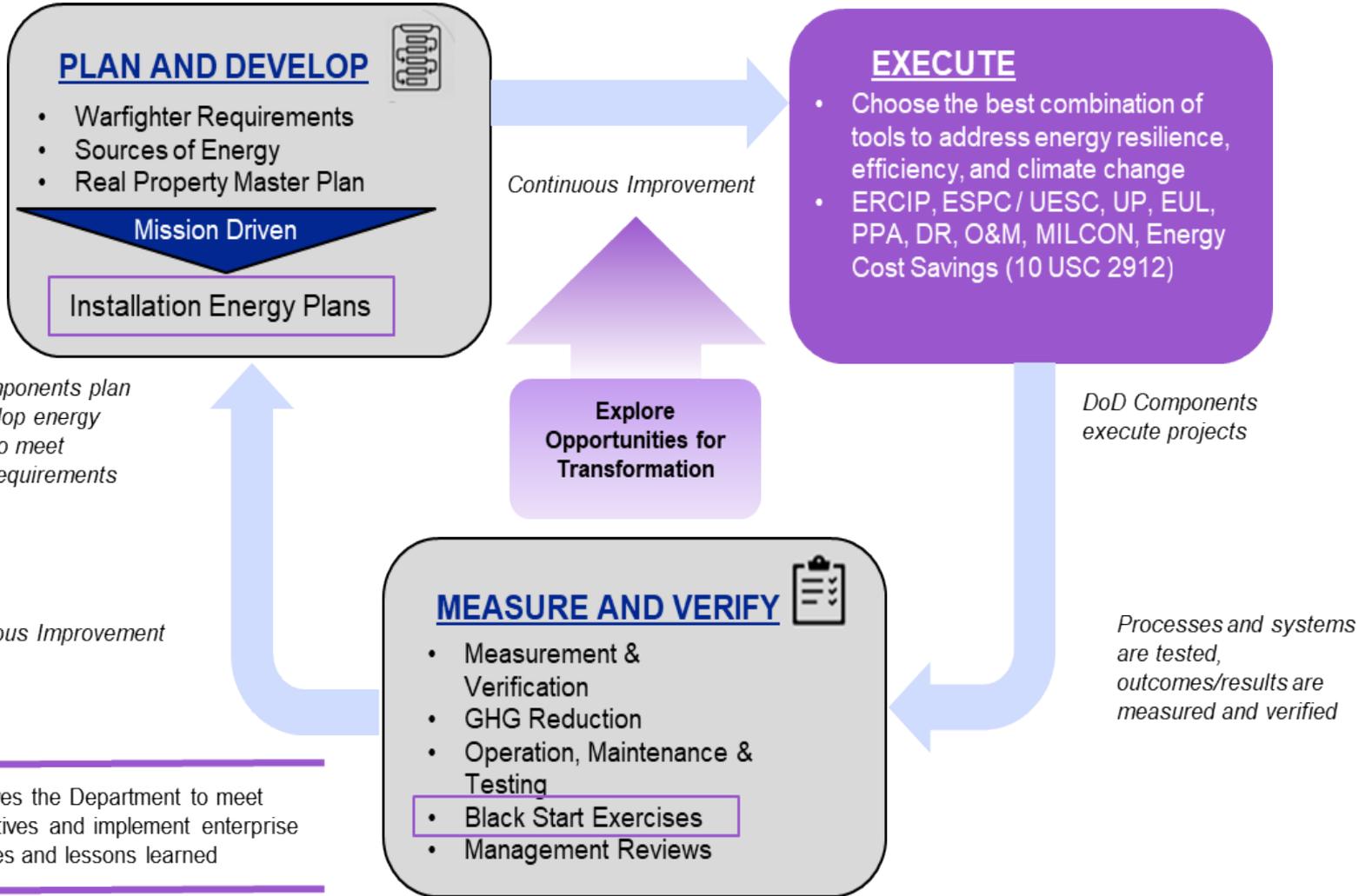
and resilient

(Richard Kidd)





DoD Installation Energy Resilience



Thank you!



Richard G. Kidd IV
DASD for Environment and Energy Resilience
Office of the Deputy Assistant Secretary of Defense of Environment and Energy Resilience

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Closing Remarks Adjourn Public Meeting

Ms. Jennifer Hill
Designated Federal Officer

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Break

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Open Administrative Session

Ms. Jennifer Hill

Designated Federal Officer

Administrative Session

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Executive Analytics Study Update

Ms. Linnie Haynesworth

Chair, Business Transformation Advisory Subcommittee

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Upskill / Reskill Study Update

Gen Larry Spencer, USAF (Ret)

Chair, Talent Management, Culture & Diversity Advisory
Subcommittee

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Mentor Protégé Program Study Update

Mr. Joseph Anderson

Chair, Business Operations Advisory Subcommittee

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Chair's Remarks

Hon. Deborah James
Chair, Defense Business Board

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Close Administrative Session

Ms. Jennifer Hill
Designated Federal Officer

Subcommittee Work Sessions

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