



NATIVES OF KODIAK



U.S Army Climate Strategy

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WHO WE ARE



NATIVES OF KODIAK

- Natives of Kodiak, Inc. (NOK) is our Parent Corporation
- NOK is an **Alaska Native Corporation (ANC)** incorporated in 1973 as a for-profit urban corporation organized under the Alaska Native Claims Settlement Act
- NOK is dedicated to improving the quality of life for all future generations
- KGS/Trinity (Koman Government Solutions) provides environmental services to federal, state and local agencies and private sector clients

U.S. ARMY CLIMATE STRATEGY — WHY?



U.S. Army's Environmental Mission Statement

“Integrate environmental values into the Army mission in order to:

- Sustain readiness
- Improve the soldier's quality of life
- Provide sound stewardship of resources
- Strengthen community relationships

U.S. ARMY CLIMATE STRATEGY — WHY?



“We face all kinds of threats in our line of work, but few of them truly deserve to be called existential. The climate crisis does. ... Climate change is making the world more unsafe and we need to act.”

– *Secretary of Defense*

A FEW STATS



ARMY

- \$740 million, electricity purchases
- 4.1 million, metric tons of carbon dioxide, methane, nitrous oxide and other GHG (2020)
- 225,000 vehicles (2017)
- 130 Installations worldwide
- 23 Industrial Installations
- Thousands of fuel-fired items

DEPARTMENT OF DEFENSE

- 1.34 Million active-duty personnel
- 778,000 Reservists, National Guard
- 747,000 Civilian Employees
- Largest employer in the world
- 550,000 Buildings

CLIMATE STRATEGY AUTHORITY



- Executive Order 14057 - December 2021
“Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability”
- Army Climate Strategy (ACS) - February 2022
- Army Climate Strategy Implementation Plan (ACS-IP) – October 2022
- Earlier Initiatives

EXECUTIVE ORDER 14057



- 100 percent carbon pollution-free electricity, net basis by 2030
- 100 percent zero emissions vehicle acquisitions by 2035
- 100 percent light duty vehicle acquisition by 2027
- A net zero emissions building portfolio by 2045, including a 50 percent emission reduction by 2032

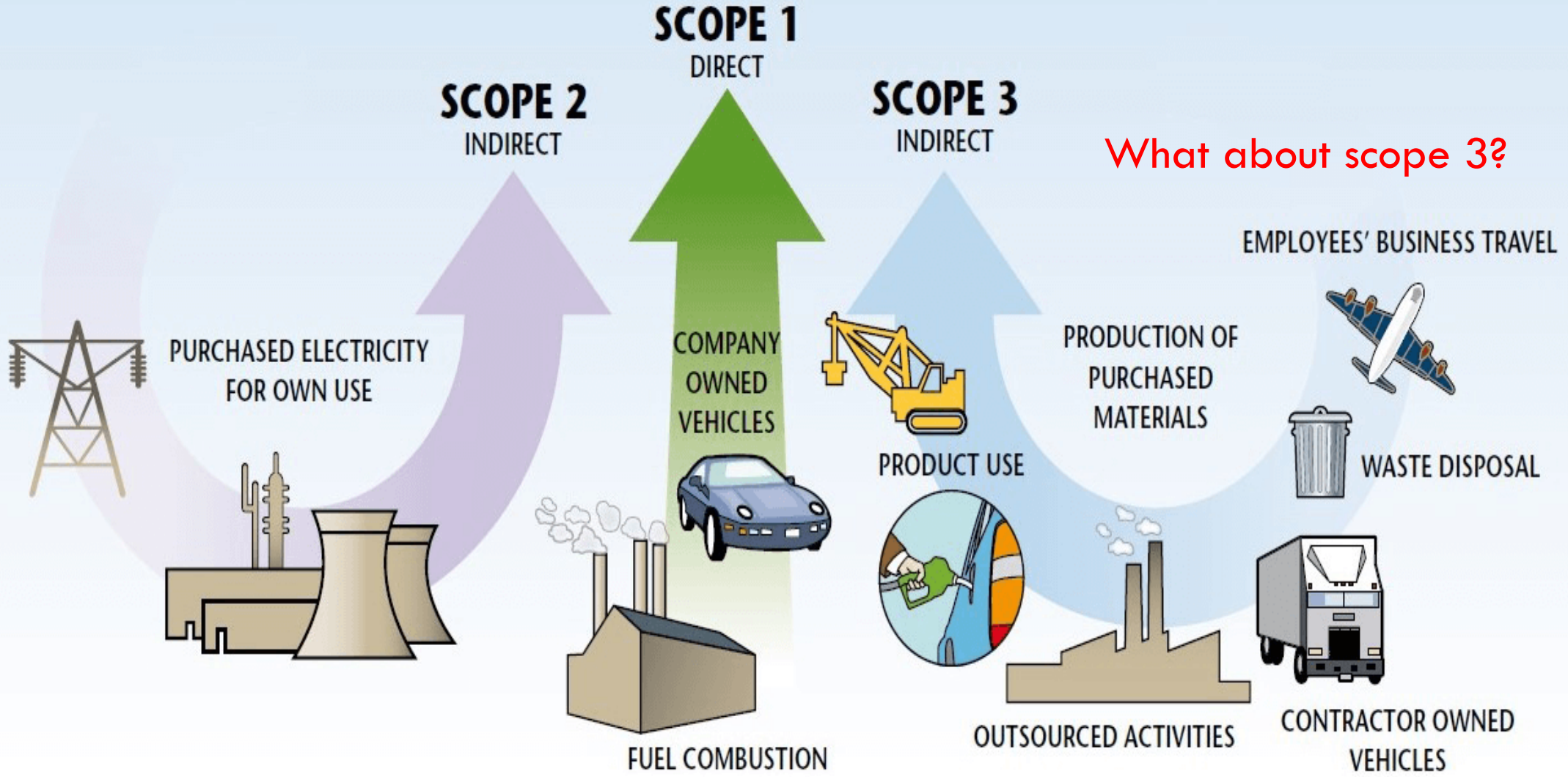
EXECUTIVE ORDER 14057 (CONT.)



- 65 percent reduction in Scope 1 and Scope 2 emissions by 2030 from 2008 levels
- Net zero operations from federal procurement, Buy Clean Policy
- Climate Resilient Infrastructure
- Climate and sustainability focused workforce

SCOPE 1 AND SCOPE 2 EMISSIONS

CO₂ SF₆ CH₄ N₂O HFCs PFCs



ARMY CLIMATE
STRATEGY (ACS)

AND

ARMY CLIMATE
STRATEGY
IMPLEMENTATION
PLAN
(ACS-IP)

Refines EO Requirements for the Army

- Achieve 50 percent reduction in Army net GHG emissions by 2030
- Attain net-zero GHG emissions by 2050
- Proactively consider security implications of climate change in strategy, planning, acquisition, supply chain and other processes
- Establish three Lines of Effort (LOE)



LOE 1 - INSTALLATIONS



Enhance resilience and sustainability by adapting infrastructure and natural environments to climate change risk, securing access to training and testing lands into the future, and mitigating GHG emissions.

LOE 1 — INTERMEDIATE OBJECTIVES (CONT.)



- Microgrids on every installation by 2035.
- Installation-wide building control systems by 2028.
- 100 percent carbon-pollution free electricity for installation needs by 2030.
- Partial carbon-pollution free power generation for critical missions by 2040.
- 50 percent reduction in GHG emissions from all buildings by 2032 (from 2005 baseline).

LOE 1 – INTERMEDIATE OBJECTIVES (CONT.)



- Net-zero GHG emissions by 2045.
- All electric non-tactical light duty vehicle fleet by 2027.
- All electric non-tactical fleet by 2035.
- Continue to advocate for expanded Army compatible use buffer.
- Include climate change threat mitigation into Army land management decisions.
- Incorporate latest climate science into stationing, construction and fielding decisions.

LOE 2 – ACQUISITION AND LOGISTICS



Increase operational capability while reducing sustainment demand and strengthening climate resilience.

LOE 2 — INTERMEDIATE OBJECTIVES



- Modernize Army platforms by adding mature electrification technologies.
- Field hybrid-drive tactical vehicles by 2035, fully electric tactical vehicles by 2050.
- Develop charging capabilities to meet electric vehicle needs by 2050.
- Develop predictive logistics that drive more precise and faster decisions.

LOE 2 – INTERMEDIATE OBJECTIVES(CONT.)



- Establish policies to standardize contingency basing to increase resilience and reduce fuel requirements.
- Significantly reduce operational energy and water use by 2035.
- Achieve carbon-pollution free contingency basing by 2050.

LOE 2 – INTERMEDIATE OBJECTIVES (CONT.)



- Buy Clean policy for construction materials with low carbon emissions.
- Implement revised energy key performance parameter.
- Net-zero GHG emissions from all procurement by 2050.
- Analyze supply chain Tier 1 sources for climate change risks by 2025.
- Develop plans, policies and contracts to ensure supply chain resilience by 2028.

LOE 3 – TRAINING



Prepare a force that is ready to operate in a climate-altered world.

LOE 3 — INTERMEDIATE OBJECTIVES



- Beginning in 2024, publish climate change lessons and best practices every two years.
- Update army instructions for leader development and workforce training to incorporate climate topics no later than 2028.
- By 2035, increase the number of soldiers and civilians serving in strategic headquarters with advanced credentials on climate change topics.

LOE 3 – INTERMEDIATE OBJECTIVES(CONT.)



- Ensure all Army operational and strategic exercises and simulations consider climate change risks and threats by 2028.
- Consider reductions of GHG emissions as a factor in planning to optimize the Army's mix of distributed learning, virtual learning and resident courses.
- Develop ways to reduce direct GHG emissions resulting from Army individual and collective training by 2028.

IMPORTANT POINTS



- “Mission First” - Integration of objectives will not adversely affect the mission of the Army
- The time is now
- Why are net-zero goals so ambitious and can they be attained?
- Future efforts and client support

QUESTIONS?



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