

Army Energy Resilience

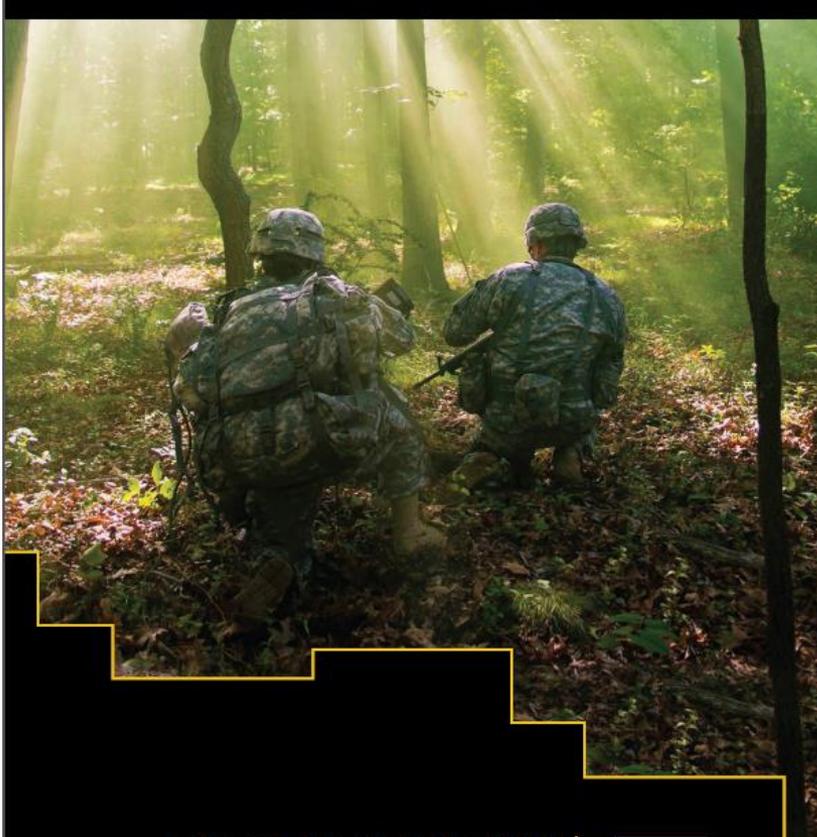
Energy Planning for Resilient Military Installations
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“Soldier readiness starts at home, on top-quality Army installations”
- Chief of Staff of the Army Gen. Mark A. Milley

- Installations are the backbone of the Army as we deploy ground forces, prevent conflict and, shape outcomes
- Our fixed installations still face significant infrastructure risk and increasing threats
- The Army’s approach to addressing these risks has evolved from a focus on meeting mandates to a focus on mission requirements





**ENERGY SECURITY
& SUSTAINABILITY
(ES²) STRATEGY**



Inform
Decisions



Optimize
Use



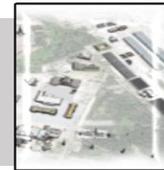
Assure
Access



Build
Resiliency



Drive
Innovation





ARMY GOAL
Strategic investments
with
clear mission benefits



ISR-MC Metrics Reported through ASRA and SESC

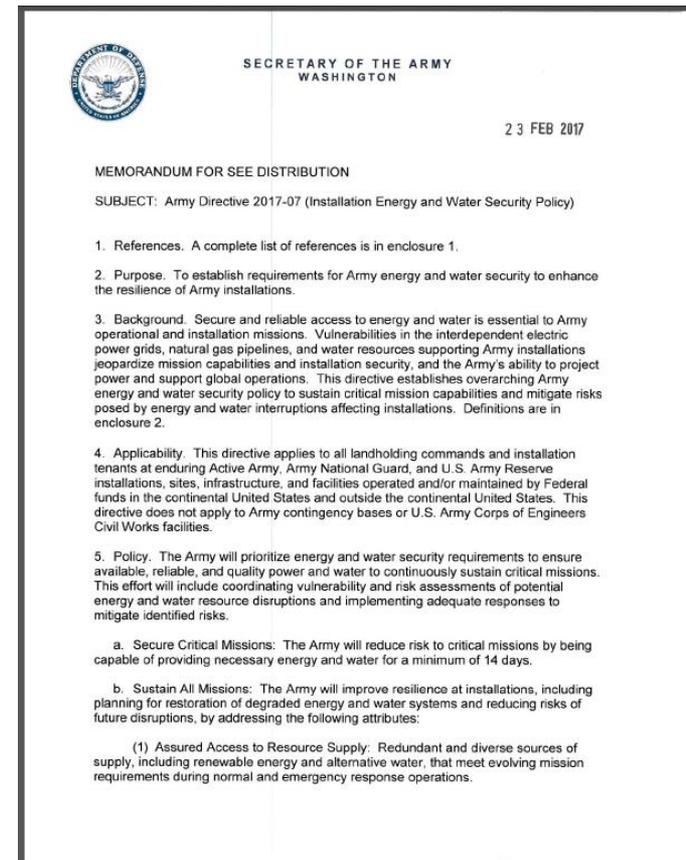
- Strategic Readiness Platforms
- Develop Funding Options (Appropriated and Third Party Funding)
- Management Solutions

Installation Energy and Water Security Directive

SECARMY Directive 2017-07: Installation Energy and Water Security Policy

(signed by SECARMY, 23 February 2017)

- Supports the Army's ability to project power and support global operations
- Sets a requirement to **secure critical missions** by providing necessary energy and water for a minimum of 14 days
- Sets a requirement for **sustainment of all installation missions** by
 - Assuring access to resource supply
 - Improving infrastructure condition
 - Promoting robust system operations



Installation Status Report – Mission Capacity (ISR-MC) approved by VCSA and USA (through the Senior Energy and Sustainability Council) to support energy and water security requirements
(approved by VCSA and USA, October 2016)

Installation-level assessment of Energy and Water Security Attributes:

- **CRITICAL MISSION SUSTAINMENT:** Critical mission continuity of operations for 14 days
- **ASSURED ACCESS:** Dependable supply of energy and water needed to meet evolving mission requirements during normal and emergency response operations.
- **INFRASTRUCTURE CONDITION:** Infrastructure capable of on-site storage and flexible and redundant distribution networks to reliably meet mission requirements.
- **SYSTEM OPERATION:** Trained personnel conduct required energy and water security system planning, operations and sustainment activities.

Baseline FY17 ISR-MC Energy and Water Security Results:

Energy Security Summary

	Green	Amber	Red	Black
Critical Mission Sustainment	16%	26%	46%	11%
Assured Access	50%	50%	0%	0%
Infrastructure Condition	18%	70%	12%	0%
System Operation	37%	46%	16%	1%

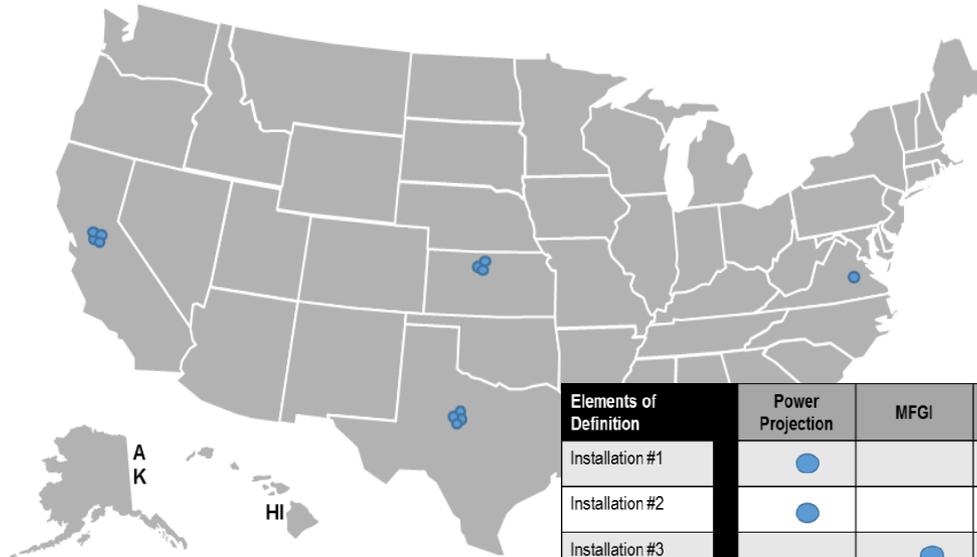
Water Security Summary

	Green	Amber	Red	Black
Critical Mission Sustainment	17%	15%	51%	17%
Assured Access	88%	12%	0%	0%
Infrastructure Condition	36%	61%	3%	0%
System Operation	45%	54%	1%	0%

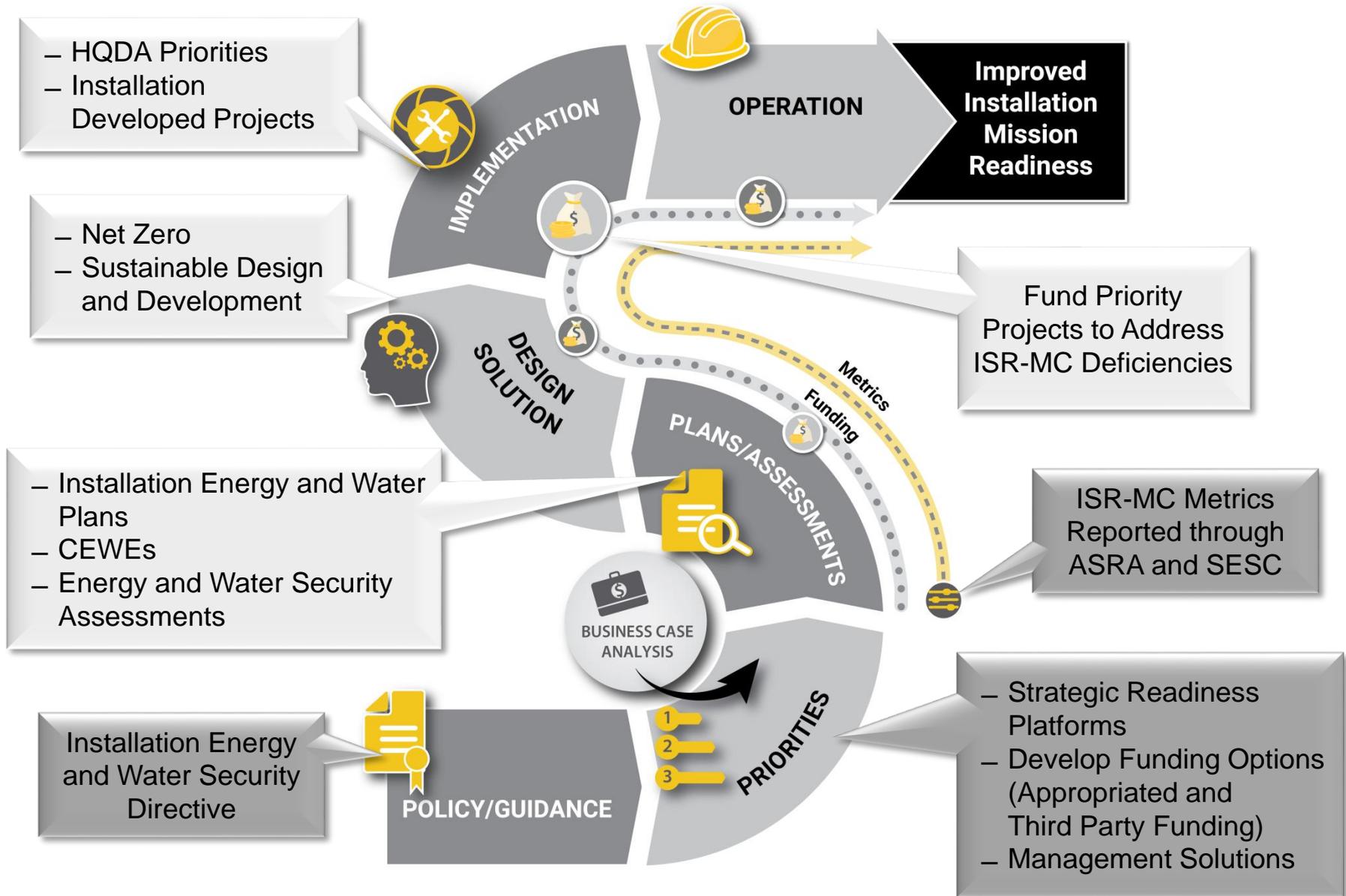
Strategic Readiness Platforms (SRPs) provide a way to prioritize investment based on mission requirements

SRP Definition: Installations consisting of power projection capabilities, force mobilization capabilities, and/or critical infrastructure needed to train, mobilize, and deploy forces; project multi-domain capabilities; and provide materiel support for Combatant Command operations plans or contingency requirements to meet the National Military Strategy.

Strategic Readiness Platforms Installation Prioritization



Elements of Definition	Power Projection	MFGI	Critical Infrastructure	Training	Materiel Capability
Installation #1	●			●	
Installation #2	●		●	●	
Installation #3		●			
Installation #4	●		●		●



Conclusion