



# Homeland Security

## DHS Climate-Related Efforts

Presentation to the Inter-Agency Sustainability Working Group (ISWG)

March 16, 2023





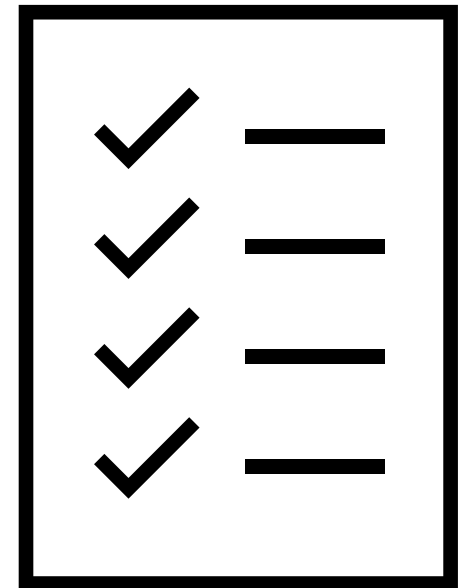
# What we'll cover...

## **Critical Partnerships supporting success in our Resilience, Energy, and Sustainability Programs**

- Crystall Merlino, Director, Resilience, Energy, & Sustainability Management Program

## **Funding Projects through the Inflation Reduction Act (IRA)**

- Hannah Choi, Director, Portfolio Transformation Office, DHS CRSO



# Partnerships

## **COLLABORATION IN A STRATEGIC PARTNERSHIP TO INCREASE DHS FACILITY RESILIENCE TO THE IMPACTS OF CLIMATE CHANGE AND SPUR DEPLOYMENT OF CLEAN ENERGY TECHNOLOGIES AND INFRASTRUCTURE**



U. S. DEPARTMENT OF ENERGY

AND THE

U.S. DEPARTMENT OF HOMELAND SECURITY (DHS)

COLLABORATION IN A STRATEGIC PARTNERSHIP TO INCREASE DHS FACILITY RESILIENCE TO THE IMPACTS OF CLIMATE CHANGE AND SPUR DEPLOYMENT OF CLEAN ENERGY TECHNOLOGIES AND INFRASTRUCTURE

### **I. Purpose**

The purpose of this Memorandum of Understanding (MOU) is to specify an additional, program-specific framework for cooperation and partnership between the U.S. Department of Energy (DOE), Federal Energy Management Program (FEMP) and DHS, Office of the Chief Readiness Support Officer (OCRSO), Sustainability & Environmental Programs (SEP). DOE and DHS are herein referred to each as a Party or collectively as the Parties.

Began DOE-DHS MOU focused on resilience framework development in 2017

- Continued yearly update of MOU and signature with leadership from DOE & DHS
- Sharing of resources through technical expertise, tools, and training
- Success achieved – resilience framework, resilience baseline assessment scoring tool, technical resilience navigator, stand up of resilience roundtable, training in energy performance contracts



# Partnerships

## **COLLABORATION IN A STRATEGIC PARTNERSHIP TO INCREASE DHS AND GSA FACILITY SUSTAINABILITY AND RESILIENCE AND SPUR DEPLOYMENT OF CLEAN ENERGY TECHNOLOGIES AND INFRASTRUCTURE**



- First formal memorandum between GSA and DHS
- Will be signed by DHS, CRSO Tom Chaleki and GSA, Commissioner Nina Albert and Krystal Brumfield, Associate Administrator and Chief Acquisition Officer
- Focused on identifying best practices for decarbonization, sustainable, and resilience technologies and solutions; determining climate adaptation, risk reduction, and strategies; optimizing portfolio and facility performance and program initiatives; and sharing best practices



# DHS Progress in Climate Adaptation & Mitigation

## Strategic Framework LOE

Invest in a Sustainable and Resilient DHS

## CAP Priority Action

Ensure Climate Resilient Facilities and Infrastructure

### Key Accomplishments

- ✓ Submission of DHS Components updates to Component-level Resilience plans, including updates to their critical asset vulnerability assessments using the DHS Resilience Baseline Assessment Scoring Tool
- ✓ Developed Operational Resilience Directive and updated the Climate Adaptation and Sustainability Directives to include Presidential priorities and requirements
- ✓ Stood-up the Fleet Electrification Program Management Office under the Executive Director for Assets and Logistics and a cross-Component Fleet Electrification Working Group to intensify momentum and ensure that implementation of fleet electrification is properly coordinated across the Department
- ✓ Acquired ~50 additional electric vehicles for law enforcement upfit, including Ford F-150 Lightnings for Customs and Border Protection
- ✓ Initiated the roll-out of charging station infrastructure across the Department's real property portfolio

### Planned Activities

- Update of design standards to support climate resilience, sustainability, and energy/water efficiencies
- Project execution to support climate resilience, sustainability, and energy/water efficiencies and reduce greenhouse gases (GHG)

# PORTFOLIO TRANSFORMATION OFFICE

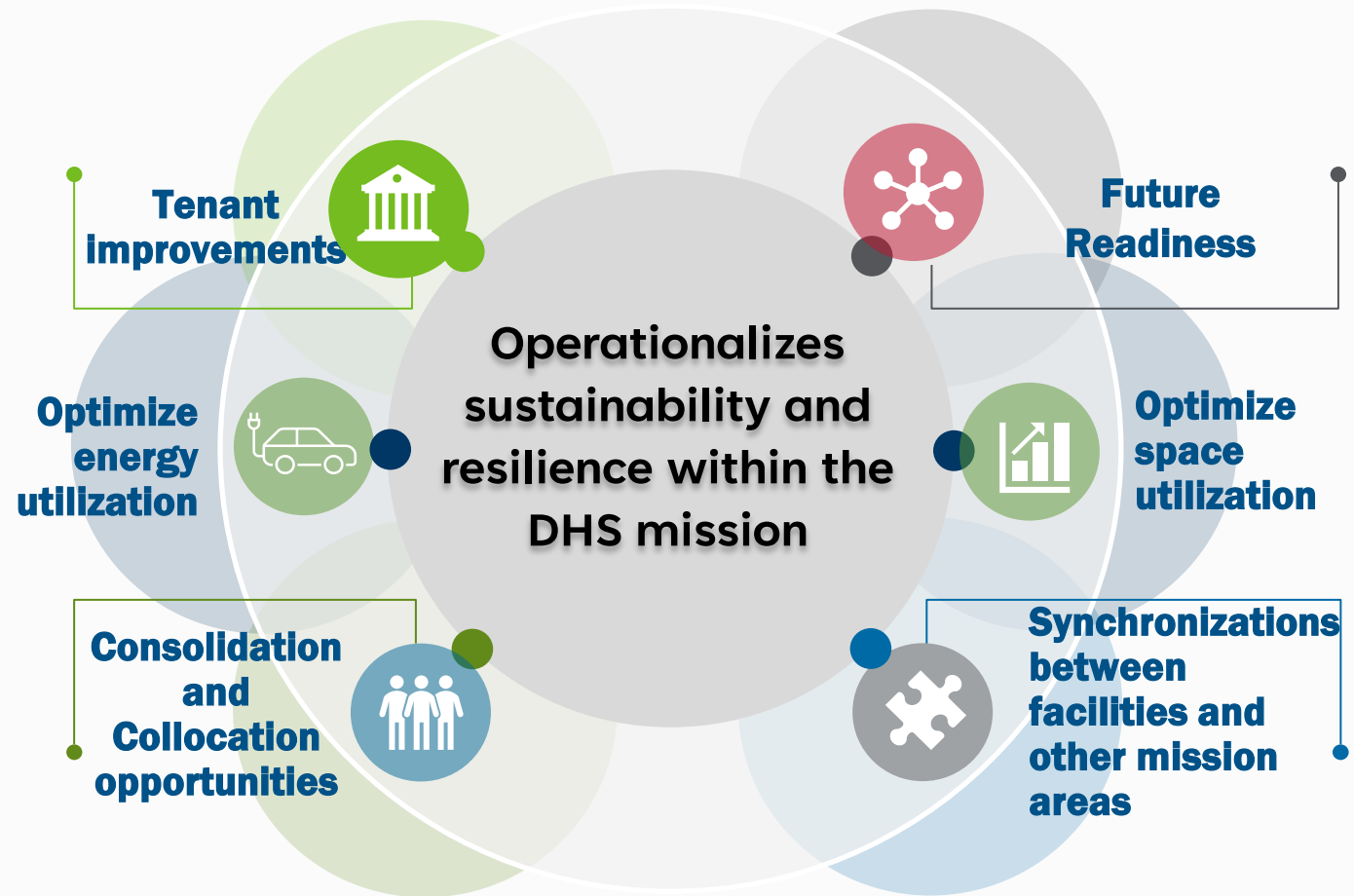
The Portfolio Transformation Office (PTO) was established within the Office of the Chief Readiness Support Officer (OCRSO) to oversee and coordinate implementation of DHS-wide workplace transformation efforts, including the central management of IRA funds. These efforts address DHS strategic priorities including, facility improvements, sustainable and resilient facilities, and a workspace of the future that aligns with, and supports evolving workforce flexibilities.



# INFLATION REDUCTION ACT

**Inflation Reduction Act of 2022:** “[T]here is appropriated to the Secretary of Homeland Security for fiscal year 2022, out of any money in the Treasury not otherwise appropriated, \$500,000,000, to remain available until September 30, 2028, for the Office of the Chief Readiness Support Officer to carry out sustainability and environmental programs. “

The \$500 million will **create jobs in design, construction, and technology**. It will be used to address a significant backlog of repair and recapitalization needs in a **sustainable and environmental manner**.



# IRA STRATEGIC INITIATIVES

## Lease Consolidation/ Efficiencies



Identify opportunities to fulfill **real property** requirements more efficiently.

E.g., Nationwide co-location and consolidation projects,

## Sustainability



Identify opportunities to adapt **sustainability practices** to boost DHS' industrial capacity.

E.g., Deep energy retro fits, high performing HVACs

## Resilience



Identify opportunities for **resilience** to support operations, missions, and infrastructure.

E.g., Facility Redundant Energy Sources; Communication Towers w/ photovoltaic arrays

## Energy



Identify opportunities to adopt **clean energy technologies** to boost DHS' industrial capacity.

E.g., Solar Panels; Microgrids

## Regional Management



Identify opportunities to fulfill **logistics and mission support functions** more efficiently.

E.g., DHS Joint Mission Support Centers

## Environmental Compliance



Identify opportunities that facilitate **environmental protection**.

E.g., Remediation of heavy metal contamination; Drinking water testing/mitigation

## Environmental Justice










Identify opportunities that promote **environmental equity**.

E.g., Storm Water Enhancement Projects; Environmental justice communities

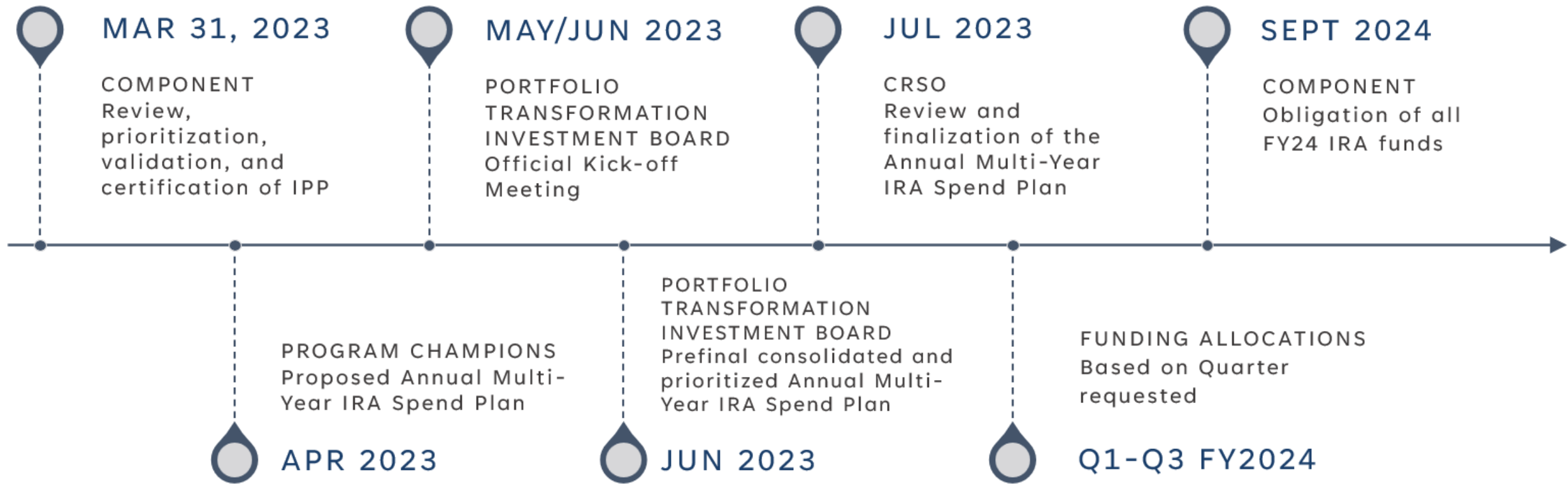




# IRA SPEND PLAN OVERVIEW

	Lease Consolidation/ Efficiencies	Sustainability	Resilience	Energy	Regional Management	Environmental Compliance	Environmental Justice	Total
								
<b>FY23 Funding</b>	<b>\$53M</b>	<b>\$11.6M</b>	<b>\$35.7M</b>	<b>\$29.1M</b>	<b>\$500K</b>	<b>\$15.1M</b>	<b>\$8.2M</b>	<b>\$153M</b>
<b>PROJECTS</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>11</b>	<b>2</b>	<b>33</b>
<b>FY24 - FY28 Funding</b> <small>Projected Amount</small>	<b>\$48.5M</b>	<b>\$86.2M</b>	<b>\$64.3M</b>	<b>\$71.9M</b>	<b>\$47M</b>	<b>\$15.4K</b>	<b>\$22.9M</b>	<b>\$356M</b>
<b>PROJECTS</b>	<b>7</b>	<b>25</b>	<b>20</b>	<b>37</b>	<b>6</b>	<b>23</b>	<b>5</b>	<b>123</b>

# FY24-28 IRA MULTI-YEAR SPEND PLAN & FUNDS ALLOCATION TIMELINE\*



\*FY25-FY28 Process will begin early FY24

# Thank You!

---

**DHS MGMT, Office of the Chief Readiness Support Officer (OCRSO)**

**Sustainability & Environmental Programs (SEP):**

Crystall Merlino, Director

[Crystall.merlino@hq.dhs.gov](mailto:Crystall.merlino@hq.dhs.gov)

**Portfolio Transformation Office (PTO):**

Hannah Choi, Director

[hannah.choi@hq.dhs.gov](mailto:hannah.choi@hq.dhs.gov)



**Homeland  
Security**