

Redundancy of Critical Infrastructure

Action: Ensure redundancy of critical infrastructure, community facilities, and utilities.

DESCRIPTION OF ACTION	Increase community resilience by ensuring redundancy of critical infrastructure, community facilities, and utilities so as to reduce disruptions during normal operations and during disaster operations.
CHAMPION	Devens Enterprise Commission

IMPLEMENTATION STEPS	PLANNING CONSIDERATIONS	
	Timeframe ¹	Key Partners
Explore the formation of an infrastructure resilience planning committee charged with assessing gaps and opportunities in Devens critical infrastructure, community facilities, and utilities	Short	<ul style="list-style-type: none"> • Devens Utilities • Residents and businesses • Community organizations • Utility providers • Devens Fire/Public Safety • Surrounding communities • Devens Public Works • U.S. Army • Federal Bureau of Prisons
Conduct an assessment of current infrastructure conditions and resident and business uses and needs for critical infrastructure, community facilities, and utilities	Medium	<ul style="list-style-type: none"> • Infrastructure resilience planning committee • Residents and businesses • Community organization
Develop an evaluation framework to use for project selection to maximize infrastructure reliability and/or redundancy	Short	<ul style="list-style-type: none"> • Infrastructure resilience planning committee • Northeast Energy Efficiency Partnership
Prioritize projects and programs based on evaluation framework, urgency, funding, and other factors	Medium	<ul style="list-style-type: none"> • Infrastructure resilience planning committee
Pursue grants and external funding for project implementation	Medium	<ul style="list-style-type: none"> • Infrastructure resilience planning committee
Implement infrastructure projects	Medium to Long	<ul style="list-style-type: none"> • Devens Utilities • Devens Public Works • Devens Fire/Public Safety

¹ Short = less than 1 year; Medium = 1-3 years; Long = 4-5 years

REDUNDANCY OF CRITICAL INFRASTRUCTURE (CONT.)

<p>FUNDING RESOURCES</p> <ul style="list-style-type: none"> • Massachusetts Municipal Vulnerability Preparedness Action Grant • MassWorks Infrastructure Grants • DOER Community Clean Energy Resiliency Initiative • MassCEC 	<p>TECHNICAL RESOURCES</p> <ul style="list-style-type: none"> • ICP – Investor Confidence Project • Performance Excellence in Electricity Renewal (PEER) • US DOE Energy Storage
<p>LINKS TO OTHER PLANS & ACTIONS</p> <p>How does this action connect to other Devens goals?</p> <ul style="list-style-type: none"> • Enhances Public Health & Safety goals, particularly PHS.1 • Relevant STAR Objectives: Climate Adaptation • Relevant LEED Credits: Resilience Planning, Integrated Water Management, Stormwater Management, Power Access, Reliability and Resiliency 	<p>EQUITY CONSIDERATIONS</p> <p>How can the community incorporate equity into the implementation of this action?</p> <ul style="list-style-type: none"> • Ensure the needs of vulnerable populations are considered in project selection • Divert any cost savings to low-income residents
<p>MEASURING SUCCESS</p> <p>How can we measure the progress and success of this action?</p> <p>Outputs</p> <ul style="list-style-type: none"> • Infrastructure committee • Infrastructure assessment results • Prioritized list of projects <p>Outcomes</p> <ul style="list-style-type: none"> • Redundancy of critical infrastructure, community facilities, utilities • Increased community resilience 	<p>ENGAGING THE COMMUNITY</p> <p>How can we engage the populations that benefit from implementing this action?</p> <ul style="list-style-type: none"> • Collaborate with a diverse range of residents and businesses in Devens and the immediate surrounding communities, especially those that may live in flood-prone or other disaster-prone areas