

Sustainable Materials

Action: Promote sustainable construction & demolition practices (i.e. Life Cycle Analysis, Zero Waste, solar ready homes, wood-based construction, green roofs, resale/salvage of building materials).

DESCRIPTION OF ACTION	Provide pathways for materials reuse and promote sustainable construction and demolition practices.
CHAMPION	Devens Enterprise Commission

IMPLEMENTATION STEPS	PLANNING CONSIDERATIONS	
	Timeframe ¹	Key Partners
Research best practices and case studies for sustainable construction & demolition practices	Short	<ul style="list-style-type: none"> • Developers • MA Construction Industry • MassDevelopment • Devens Recycling • MassDEP • US EPA Waste Wise • Center for Eco Technology • Universities • Surrounding communities • International Living Future Institute • Built Environment + • USGBC • WELL Building Certification • Green Roofs for Healthy Cities • Sidewalk Labs (cross laminated timber sustainable construction) • Associated Builders and Contractors of MA (ABC MA)
Identify practices most feasible for Devens' new developments and demolition projects	Short	<ul style="list-style-type: none"> • MassDevelopment • Devens Recycling • MassDEP • US EPA Waste Wise
Conduct outreach to assess community support and participation for identified practices	Short	<ul style="list-style-type: none"> • DEEC members • MassDevelopment • Residents and local businesses
Explore funding opportunities to expand The Great Exchange to include construction materials	Medium	<ul style="list-style-type: none"> • Devens Eco-Efficiency Center

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

SUSTAINABLE MATERIALS (CONT.)

IMPLEMENTATION STEPS	PLANNING CONSIDERATIONS	
	Timeframe	Key Partners
Work with developers and key partners (listed under #1) to design a Devens' guidebook for sustainable construction & demolition practices.	Medium	<ul style="list-style-type: none"> • MassDevelopment
Provide incentives, such as bidding priority for projects that incorporate Devens' sustainable construction & demolition practices guidelines.	Medium	<ul style="list-style-type: none"> • MassDevelopment

FUNDING RESOURCES	TECHNICAL RESOURCES
<ul style="list-style-type: none"> • MassDEP's Sustainable Materials Recovery Program Municipal Grant 	<ul style="list-style-type: none"> • EPA guide to Sustainable Management of Construction and Demolition Materials • EPA guide to Best Practices for Reducing, Reusing, and Recycling Construction and Demolition Materials • LEED for Existing Buildings and New Construction Rating system • Living Building Challenge Rating system • LEED Operations and Maintenance Rating system
LINKS TO OTHER PLANS & ACTIONS	EQUITY CONSIDERATIONS
<p>How does this action connect to other Devens goals?</p> <ul style="list-style-type: none"> • Supports Devens' sustainable development and eco-industrial goals • Enhances resource management from other Infrastructure goals • Relevant STAR Objectives: Infill & Redevelopment, Waste Minimization, Green Infrastructure • Relevant LEED Credits: Integrated Water Management, Energy Efficiency, Responsible Sourcing for Infrastructure, Material Recovery 	<p>How can the community incorporate equity into the implementation of this action?</p> <ul style="list-style-type: none"> • Ensure guidelines are attainable and achievable for a variety of projects and developers • Keep costs affordable and support donations and connections with other reuse programs like Habitat for Humanity
MEASURING SUCCESS	ENGAGING THE COMMUNITY
<p>How can we measure the progress and success of this action?</p> <p>Outputs</p> <ul style="list-style-type: none"> • Sustainable materials & demolition practices guidebook • Community materials swap location • Incentives program for developers <p>Outcomes</p> <ul style="list-style-type: none"> • Reduction in materials used for construction • Cost savings 	<p>How can we engage the populations that benefit from implementing this action?</p> <ul style="list-style-type: none"> • Offer recovered materials from demolition for residents and local businesses to use • Share best practices with other businesses/ developers, including details on costs and savings, material availability, and more