

# OPEN SPACE MANAGEMENT GUIDE

Building Community Capacity to Program FEMA-Funded Housing Buyout Land

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# BACKGROUND

### Why is this Guide Needed?

Disaster-related losses continue to rise across the United States and these losses are increasing rapidly due to climate change. One of the most widely recognized strategies to mitigate these losses is through hazard-prone housing acquisition (i.e. "buyouts") and conversion of the land to open space. Currently, limited attention is focused on actionable guidelines for communities looking to create their own open space management strategies for buyout lands. The Open Space Management Guide seeks to fill that void.

#### How is this Guide Different from Existing Materials?

Currently, FEMA does not provide funding or technical assistance to support the development and implementation of an open space management strategy, which has proved challenging for many communities with less financial, technical, and administrative capacity. The Open Space Management Guide is designed to address this challenge by describing a broader set of resources that are available to communities. Drawing on techniques and processes found in land use planning and landscape architecture empowers communities to transform buyout properties into a community asset that aligns with recreation, economic development, environmental stewardship, hazard risk reduction, and other goals advanced by a network of partners.

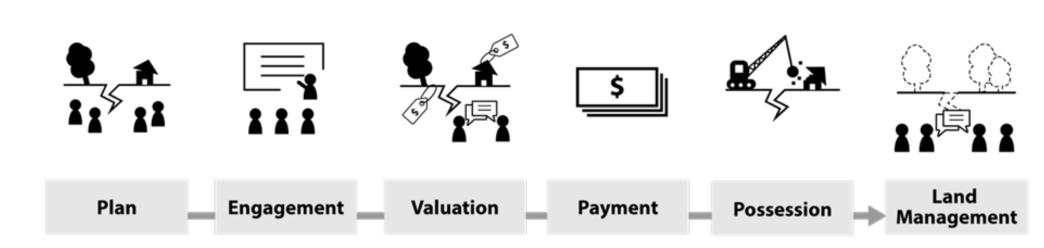
#### Who is the Intended Audience?

The guide is written for local government officials in urban, suburban, and rural areas including those communities possessing varied levels of financial, technical, and administrative capabilities. The guide is also intended for those who provide support for open space management like landscape architects, land use planners, residents, environmental and social justice non-profits, and recreational groups.

# INTRODUCTION

#### What is a Buyout?

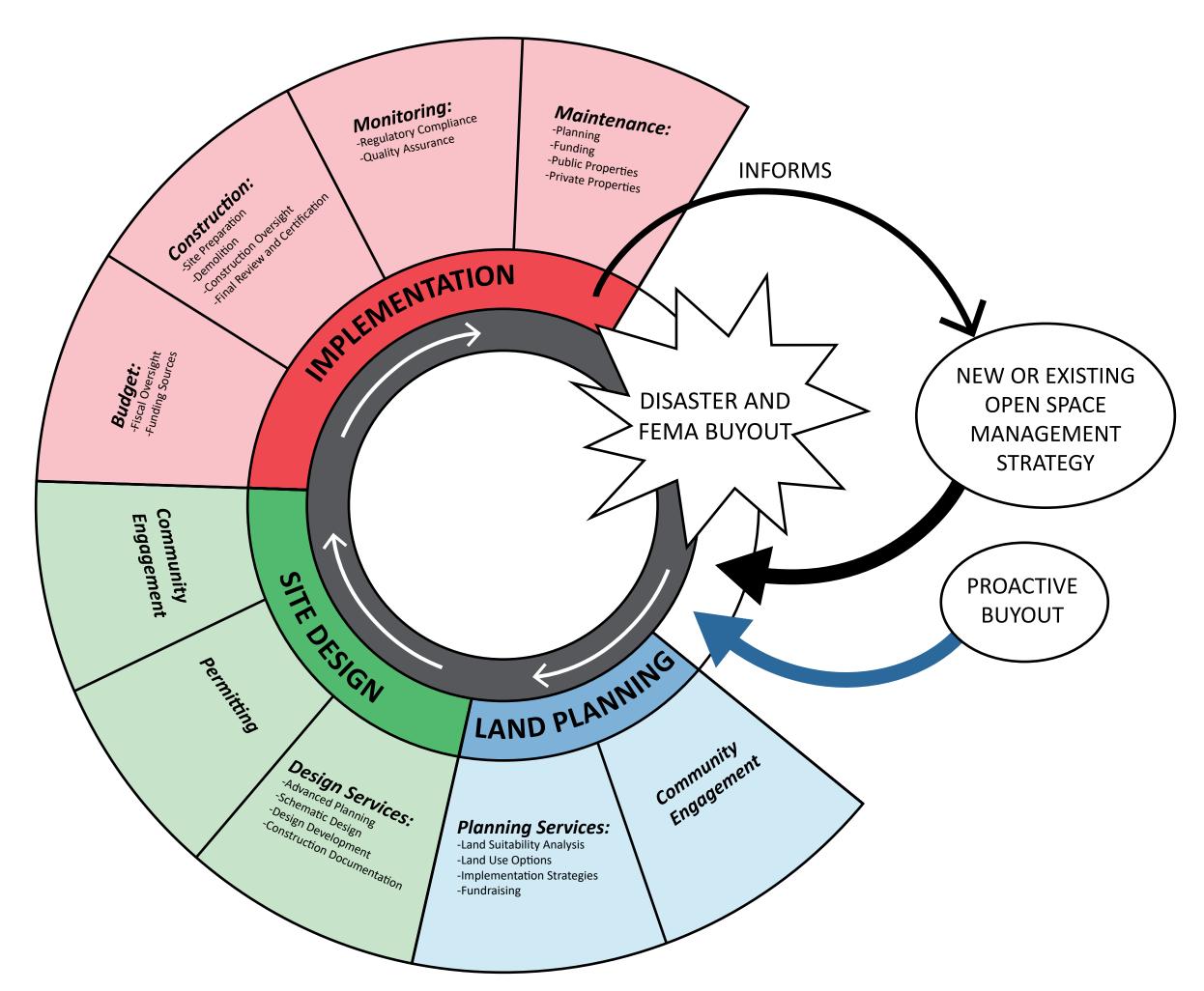
The buyout process, depicted below, is comprised of several steps, including the management of the resulting open space. The buyout process typically begins when an affected community recognizes the presence of at-risk properties and decides to identify a prospective buyout site(s). This requires engaging with prospective buyout participants to assess their interest in the program and to inform them about the overall process. Once eligible properties are identified, their pre-disaster value is determined, title searches are conducted, and an offer to purchase the property is made. The house is demolished, or in some cases relocated to another location, and the land is converted to open space in perpetuity. It is the responsibility of the local government to determine the strategy used to manage the land once acquired.



The Buyout Process. A Comparative Review of Hazard-Prone Housing Acquisition Laws, Policies, and Programs in the United States and Aotearoa, New Zealand: Opportunities to Improve Practice. Gavin Smith and Wendy Saunders, 2022.

# Buyouts and the Open Space Management Process

Ideally an open space management strategy is developed before a disaster occurs. A proactive approach allows the community more time to assess the situation, solicit and sustain public input, garner necessary resources, and develop design options that inform the implementation and maintenance of an open space management strategy over time. This approach allows open space to become a community asset instead of a financial and administrative burden.



Open Space Management Process. Diagram showing how Open Space Management of FEMA buyout lands fits within the other processes of Land Planning, Site Design, and Implementation.

# GUIDE CONTENTS

application for the remaining properties as well

LUMBERTON, NORTH CAROLINA

engagement. The document also includes

potential funding options to help achieve

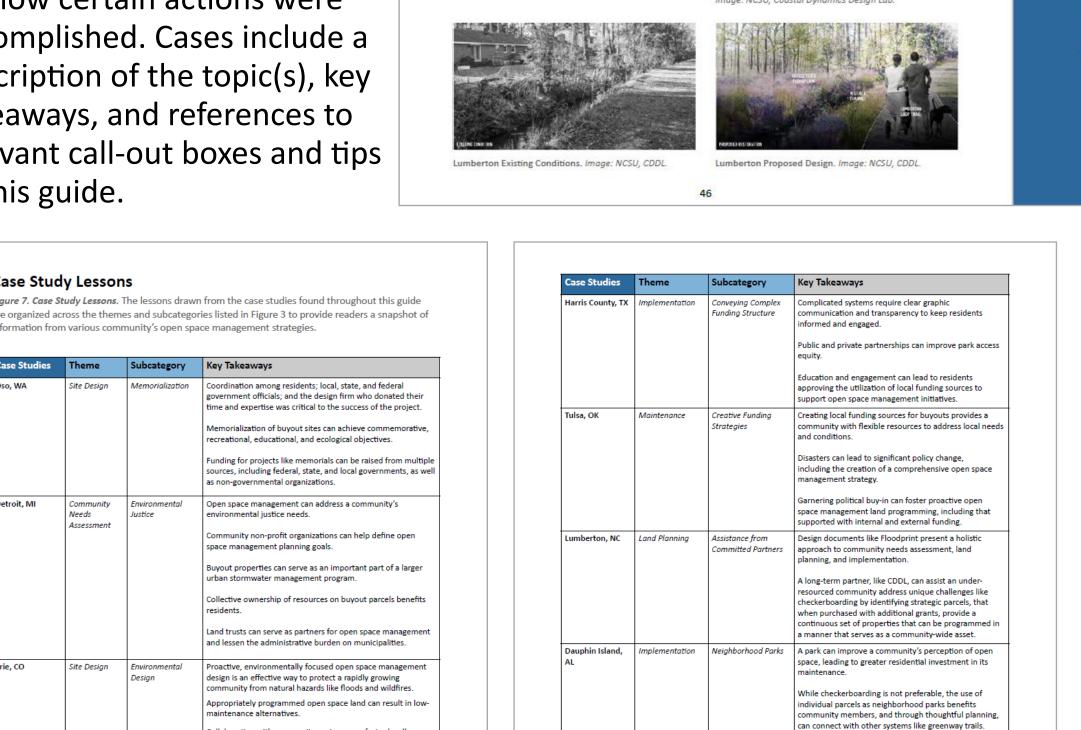
use its open space to support the city's long-term

goals spanning community health, resilience,

culture, and economic vitality.

#### Case Studies

Case studies are chosen from across the United States to represent a variety of FEMA regions and include urban, rural, and suburban communities possessing varied levels of fiscal, technical, and administrative capacity. The cases provide a two-page community-specific narrative highlighting one or more open space management topics. Emphasis is placed on how certain actions were accomplished. Cases include a description of the topic(s), key takeaways, and references to relevant call-out boxes and tips in this guide.



Case Studies	Theme	Subcategory	Key Takeaways
Northfield, VT	Implementation	Diverse Partnerships	The Dog River Park plan incorporated multiple sources of funding and resources to create and maintain a community asset.
			A subcommittee of interested town residents (Vermont Downtown Action Team) proved capable of assisting with the administration and maintenance of the park.
			A maintenance plan, including the identification of those who are responsible for funding and administering it, is crucial to the success of any municipally-owned park.
			The VDAT plan linked open space management, hazard mitigation, and other disaster recovery goals.
Linden, NJ	Maintenance	Ecological Restoration	The successful creation of ecologically resilient open spaces requires a team that has the expertise and is dedicated to the project's success.
			University faculty can play an important leadership role in the development and implementation of an open space management strategy.
			State buyout programs can be tailored to avoid problematic issues like checkerboarding and align complementary programs like open space management and the community rating system.
State of Missouri	Community Needs Assessment	Applying FEMA's Community Rating System (CRS)	Smaller municipalities or unincorporated areas can participat in the CRS program if they partner with county officials, thereby receiving the benefits of decreased flood insurance rates and reduced flood risk.
			State-level capacity-building initiatives can help under- resourced communities earn CRS credits.
			Self-assessed, local needs can be met through the CRS program, including those tied to open space management.
Grand Forks, ND	Land Planning	Diverse Partnerships	Complex partnership agreements can work if appropriate plans are put in place.
			Buyout sites can be used for a number of purposes, including a state recreation area, multi-purpose trails, a golf course, wetlands, wildlife area, and memorial landscapes.
			Open space management activities can include regular programming of commemorative events.
		•	ns the additional material presented throughout this neded to create and implement a well thought out
federal, state, recommendat	and local rules an ions, is provided t	nd regulations. Ne to describe specif	tiple barriers exist that require changes to existing xt, a call to action, underpinned by a set of policy ic steps that can be taken to advance the widespread cross communities of varied capabilities.

### Call-out Boxes

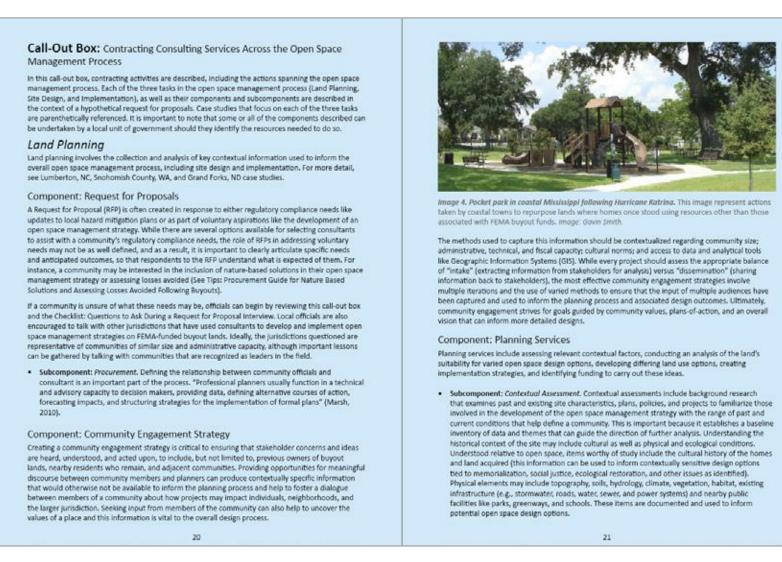
Call-out boxes are used to describe broader open space management-related issues. Examples include a description of the legal issues tied to the management of open space, the identification of complementary community goals that align with an open space management strategy, and how to contract open space management consulting services.

materials with the help of local partners like Habitat for

ultiple objectives, including improved water quality, flood risk

reduction, environmental education, and ecological restoration

eligibility criteria that reflects local conditions



Tips provide brief insights on relevant topics to development of an open space management strategy, references to documents that may be used by members of the open space management team, and "food for thought" for those tasked with open space management activities. Examples include a discussion of the potential use of consultants and a description of how open space management activities can reduce the flood insurance rates of policyholders if participating in the National Flood Insurance Program's Community Rating System.

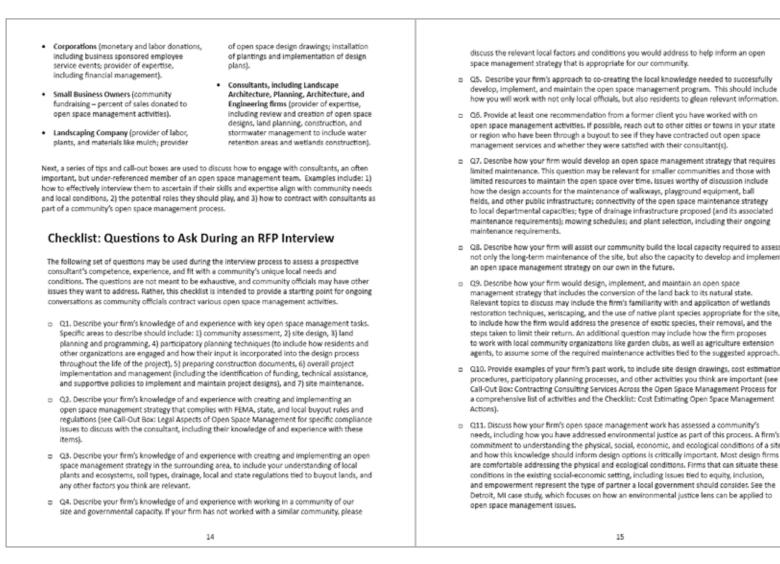
> **Tip:** Procurement Guide for Nature Based Solutions An additional reference that may prove useful when developing requests for proposals tied to buyouts and open space management is titled "A Procurement Guide to Nature-Based Solutions." This guide, written by the Nature Conservancy, can be found at: http:// nrcsolutions.org/wp-content/uploads/2018/02/NBS\_Procurement\_Guide.pdf Tip: Assessing Losses Avoided Following Buyouts

As part of a community's monitoring of buyout lands, local governments may choose to assess the "losses avoided" following future flood events by estimating the monetary savings accrued by converting the land to open space before a future flood event occurs. This information can be used to inform residents as well as external funders about the risk reduction benefits of buyouts. Given the technical nature of conducting this assessment, the process may be undertaken by state agencies, FEMA, or consultants. The assessment may be further strengthened by collecting personal testimonials from residents who have participated in a buyout and are willing to discuss how they benefited from the process by moving out of harm's way. A collection of losses avoided studies can be found at: Hazard Mitigation Assistance Loss Avoidance Study Summaries | FEMA.gov.

#### Checklists

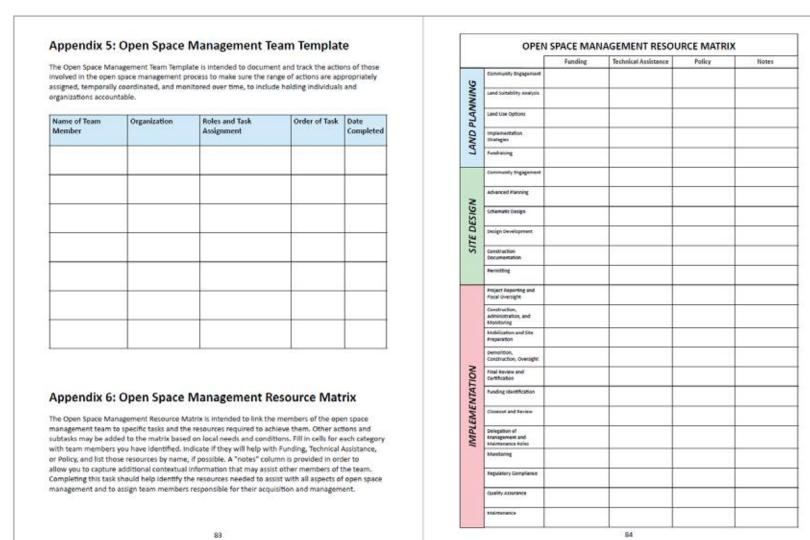
but often overlooked part of a sound open space

Checklists provide information for communities to tackle an issue. Examples include a list of questions local officials might pose to prospective consultants tasked with the development and implementation of an open space management strategy, and a list of departmental, agency, and organizational representatives to include in a community's open space management team.



#### **Matrices**

Matrices represent a tabular display of two or more topics, emphasizing their relationships. For example, the Open Space Management Resource Matrix is intended to link the members of the open space management team to specific tasks and the resources required to achieve them. Key actions are identified and spaces are provided to describe the resources (funding, policies, and technical assistance) needed to address each action and the organization and/or team member responsible for carrying this out.



# CALL TO ACTION

#### Expand the Use of Federal Funds

Provide federal funds for planning, site design, implementation, and maintenance of open space associated with buyouts.

### Align BRIC Grants and Buyouts

Improve the alignment of **Building Resilient Infrastructure** and Communities (BRIC) grants and buyout sites.

# Reduce the Complexity of the **Buyout Process**

Reduce the complexity of the overall buyout process, including open space management-related activities.

# Enhance the Role of State Agencies

Encourage state government agencies to play a greater role in delivering technical assistance and funding to support open space management activities on FEMA-funded buyout lands.

#### Increase Buyout Incentives

Incentivize buyouts and the creation of open space management strategies through improved federal policies.

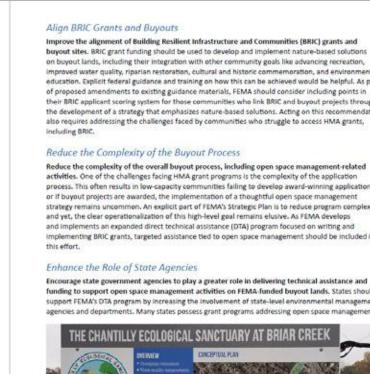
### Enhance the Role of Local Governments

Encourage local governments to identify buyout projects in local hazard mitigation plans and provide additiona funding to support open space management activities.

Improve the role local governments play in funding open space management activities, recognizing that some communities do not possess the resources to undertake this type of activity.







this process, state programs should be aligned with FEMA-funded buyout programs, drawing or

sonnel and contractors, other organizations should play a greater role in taking on this challenge



management resource matrix template, and 7) references.

# Support Peer-to-peer Networks

Develop state and local peer-to-peer support networks focused on providing information and insights.

#### Deliver Technical Assistance

Increase the delivery of technical assistance needed by local governments to address open space management issues, challenges, and opportunities.

Improve the delivery of technical assistance by underutilized partners, including professional associations, Land Grant Universities, and Minority Serving Institutions.

#### Educate and Train the Next Generation

Educate and train the next generation of practitioners and scholars to assist communities address the issues surrounding the thoughtful management of open space.

# FUTURE IMPLICATIONS

#### Distribution

As this guide is distributed and shared among policy makers, governmental officials, disaster mitigation professionals, municipal planners, landscape architects, community groups, nonprofit groups, and individual community members, it can serve to bridge to gap between training and implementation. By making this information accessible, this guide helps to support communities regardless of size or capacity design and implement open space management strategies that make buyout lands an asset and amenity for the community.

# FUNDING



