

# LESSON'S LEARNED FROM THE 2011 JOPLIN, MO AND ALABAMA TORNADOES

Sam Rosania, Vice President, Arcadis-US, Inc.  
Address: 1300 E 8th Avenue, Suite F100,  
Tampa, Florida 33605  
Tel: 813-242-7260

## ABSTRACT

In today's world a utility cannot plan enough for a potential disaster, especially a tornado or hurricane. This presentation provides effective strategies and case studies that will assist a utility manager plan, respond and recover from a disaster, including debris management. The strategies tie in the keys to management success such as leadership, strategic planning and organizational approaches, while providing proven hands-on approaches to developing the strategies and approaches that will work best for your utility. The complex strategies involved in recovering and rebuilding after a disaster cannot be made during the chaos that follows a hurricane. Having post-disaster plans in place before it strikes allows utilities to respond more efficiently, minimizing damage and effectively coordinating and managing the disaster cleanup.

## 1. INTRODUCTION

The presentations approach is from the utility manager and public official perspective. The aim is to identify the common pitfalls encountered during planning, responding and recovering from a tornado or similar incident. The presentation will provide:

- An Overview of Effective Strategies;
- Case Study Examples;
- Planning Considerations; and
- Federal Funding and Reimbursement Opportunities.

## 2. OBJECTIVES

The primary objectives of the presentation are to provide the participants with the necessary information to:

- Develop an understanding of what it really takes to be prepared for any disaster
- Provide a methodology that can be utilized to prepare, respond and recover
- Understand the importance of strategic planning as it relates to critical infrastructure, asset management and disaster debris management
- Develop long-term plans for infrastructure stability and sustainability.

## 3. DISCUSSION

The strategies address the key issues that face a utility when preparing, responding and recovering from a tornado or similar disaster. We look at the challenges from an administrative, engineering/operational, and financial perspective providing examples from past experiences of the challenges, mistakes and lessons learned from previous disaster events drawing from various case studies associated with public works/ESF3 operations following catastrophic disasters.

## 4. CONCLUSION

We will introduce participants to various debris management and damage assessment procedures, as well as, introduce the participants to pertinent federal regulations for financial reimbursements and grants and aid.