

# DEBRIS MANAGEMENT:

## BEING PREPARED – HAVING A PLAN



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The background of the slide features a large, light green watermark of the South Windsor Town Seal. The seal is circular and contains the text "TOWN SEAL" at the top, "SOUTH WINDSOR" on the left, and "CONNECTICUT" on the right. In the center, there is a shield with a plow and a sheaf of wheat, and a banner below it with the text "INCORPORATED 1839".

# Disaster Debris Management Plan

South Windsor  
Public Works Department  
June 2011

Oct 2011



Irene



# **GETTING STARTED - IT'S EASIER THAN YOU THINK !**

- **Assemble Your TEAM**
  - **Pull all Your Existing SOP'S Together**
    - **Use FEMA Debris Management Plan Template**
    - **Ask “Where Do We Need to Fill in the Blanks”**
- 

# Table of Contents

## INTRODUCTION

- Purpose
- Background

## ROLES AND RESPONSIBILITIES

- Emergency Management Team
- Debris Management Team

## SITUATION AND ASSUMPTIONS

- Estimated Quantity of Debris
- Types of Wastes and Preferred Reduction Methods
- Contractors

## PRE-STORM OPERATIONS PLAN

- Condition- Watch
- Condition- Warning
- Condition- Storm

## RESPONSE OPERATIONS

- Emergency Response Levels
- Clearing Access Routes
- Damage and Debris Assessment
- Debris Management Site Activation
- Recovery Plan: Debris Collection

## COORDINATE PUBLIC NOTICES

## SITE OPERATION FOR DEBRIS MANAGEMENT SITE

## PRIVATE PROPERTY DEBRIS REMOVAL AND DEMOLITION

## MONITORING DEBRIS REMOVAL

## DMS CLOSEOUT PROCEDURES

- Close-out
- Environmental Monitoring
- Environmental Restoration and Cleanup

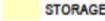
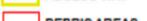
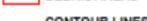
## Post Event Evaluation

<b>Appendix A.</b>	<b>Debris Management Team (DMT)</b>
<b>Appendix B.</b>	<b>Main &amp; Secondary Route &amp; Standby Location Maps</b>
<b>Appendix C.</b>	<b>Debris Management Sites (DMS)</b>
<b>Appendix D.</b>	<b>Forecasted Debris</b>
<b>Appendix E.</b>	<b>FEMA Forms</b>
<b>Appendix F.</b>	<b>Standard Public Communications</b>
<b>Appendix G.</b>	<b>State of CT Concept of Operations &amp; Debris Management Plan</b>
<b>Appendix H.</b>	<b>Standby Location Resources Needed List</b>
<b>Appendix I.</b>	<b>List of Contractors</b>
<b>Appendix J.</b>	<b>Pre Event SOP's</b>





**BROOKFIELD**  
**STREET**  
**(BARTON)**  
**DEBRIS**  
**MANAGEMENT**  
**SITE**

-  GATE
-  STORAGE
-  SIGNS
-  ENTRANCE MONITOR STATION
-  PORT-O-LET
-  ACCESS WAY
-  DEBRIS AREAS
-  CONTOUR LINES
-  WOODED AREA

1 inch = 200 feet



GIS

Data provided by SBC under contract and is based on an aerial flight performed in spring of 2005. This map is a graphical representation of property information and is subject to change. The Town of South Windsor and SBC assume no legal responsibility for information depicted on this map and is to be used for planning purposes only.

## THE CHOICES ON COLLECTING DEBRIS

- **Go it Alone**
  - **Contract out by  
Competitive Bid**
  - **Use the State  
Contractors**
- 

# KEYS TO SUCCESS

- Clear and Written Expectations with Contractors
  - Chain of Command
  - Have daily lines of Communication with your Contractors
  - Daily to Weekly Updates on Progress and Feedback
  - Hold Contractors accountable for theirs and subcontractors actions--- Be timely on Feedback
  - Document, Document, Document
  - If you don't do the above it will make the FEMA & FHWA Process that much more Difficult
  - Communicate with the Public, Utilities, State, other community Stakeholders
- 

# THE FEMA AND FHWA EXPERIENCE

- **Be Organized before the Event**
  - **Attend all FEMA/FHWA Meetings**
  - **Get points of Contact and Organization**
  - **Follow their Process....or Else**
  - **Document, Document, Document**
  - **Be prepared to repeat submissions as necessary and remain calm**
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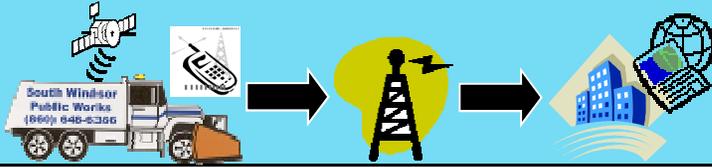
# LEARN FROM YOUR EXPERIENCES

- **The lack of planning results in a failure to execute.**
  - **Conduct an After Action Meeting on What Went Well and What you need to Change**
  - **Learn from others around the Country**
  - **Then Update your Plan while things are still Fresh**
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## RESOURCES

➤ **Everything You Need to Know is right on the DEEP Disaster Debris Management Preparedness Website**

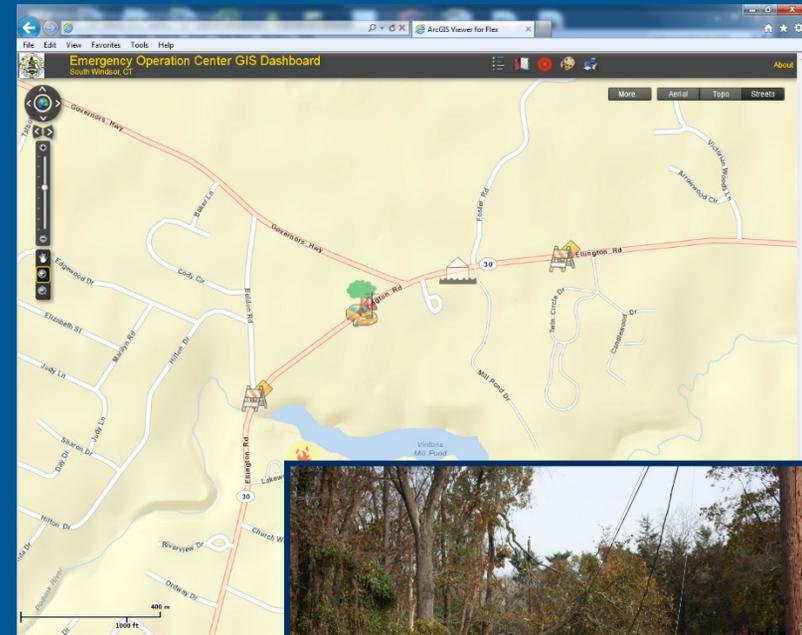
➤ [www.ct.gov/deep/disasterdebrismanagement](http://www.ct.gov/deep/disasterdebrismanagement)



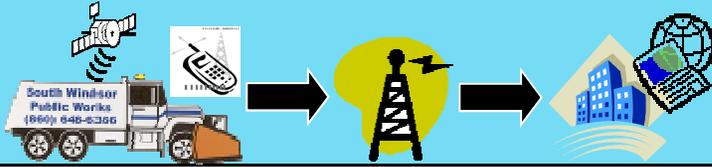
# OTHER TOOLS

- ▶ **Easy to Use**
- ▶ **Tested in Hurricane Irene & Storm Alfred**
- ▶ **Common Operation Picture over town network and thru remote access**
- ▶ **Better Visibility of Emergency**
- ▶ **Information for better response/decisions**
- ▶ **Facilitate deliberation and debate**
- ▶ **Eliminates redundancies**
- ▶ **Optimizes resources and reduces costs**

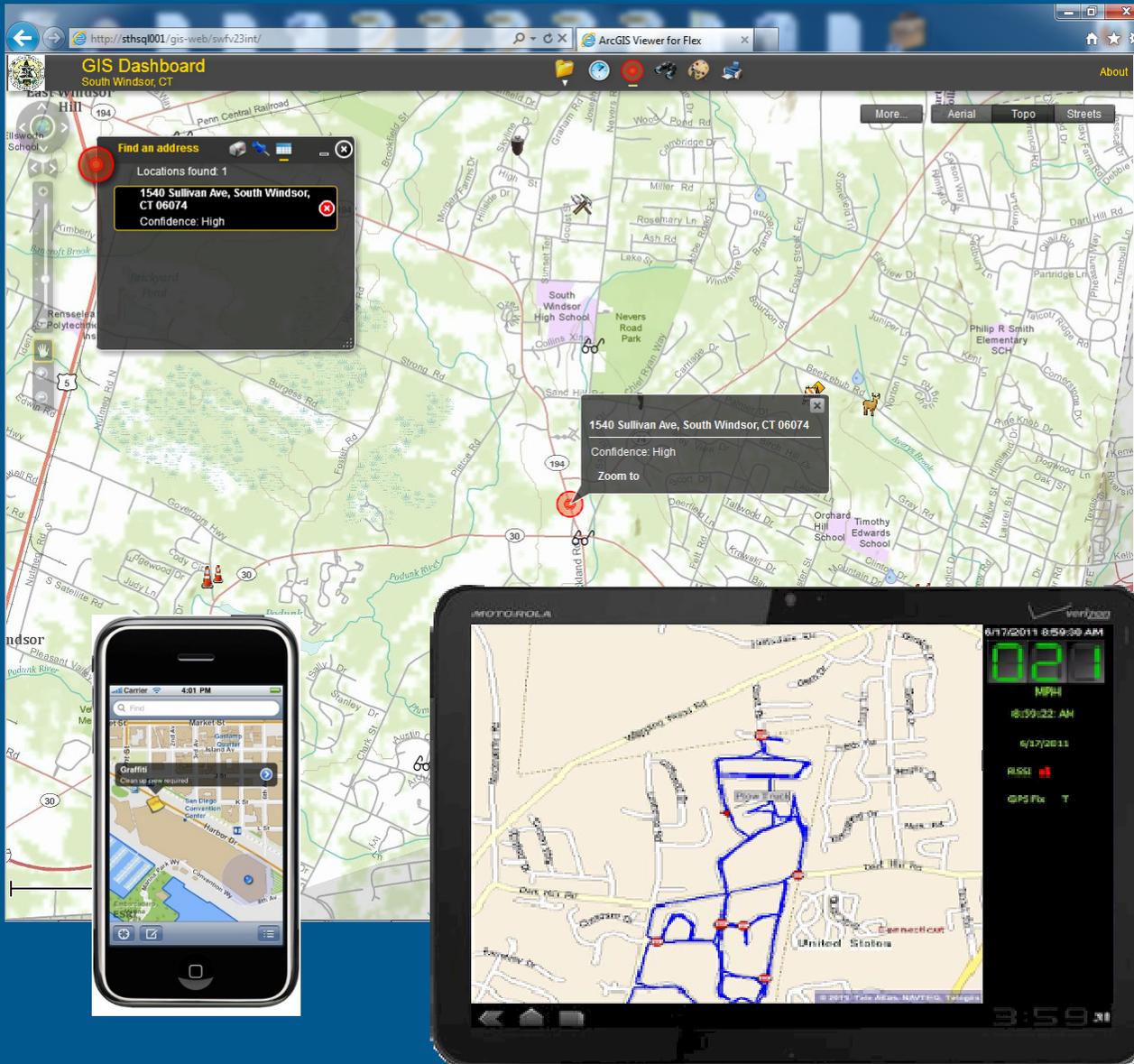
## The EOC Dashboard



October Snow Storm



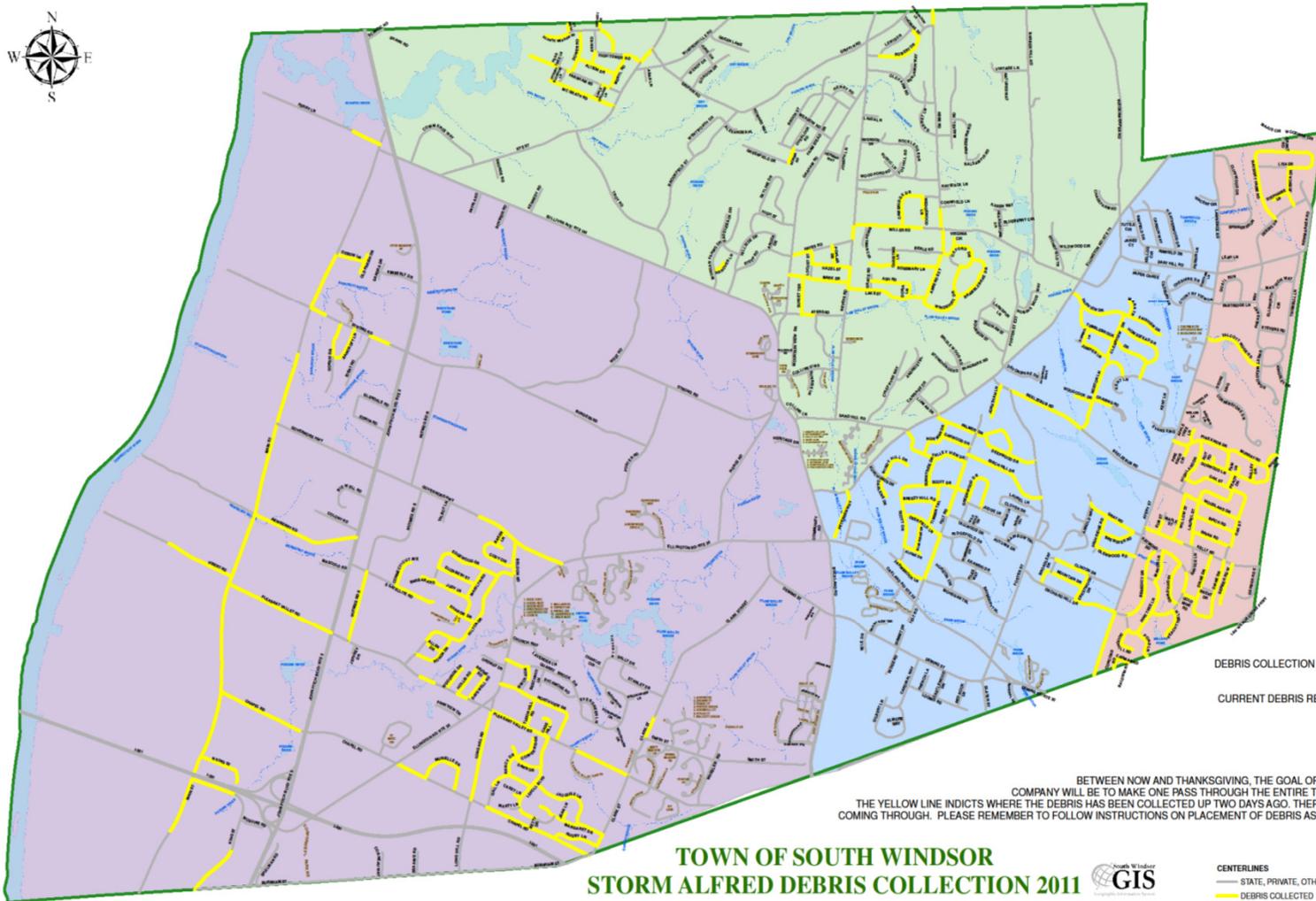
# USE MOBILE TOOLS



- ▶ Inexpensive
- ▶ Pervasive
- ▶ Desired
- ▶ Easy to Use
- ▶ Common Picture
- ▶ Unified Communications



# SAVINGS/BENEFITS GPS/GIS/WEB



DEBRIS COLLECTION AS OF NOVEMBER 20, 2011

NOVEMBER 21, 2011  
 CURRENT DEBRIS REMOVAL TRUCK LOCATIONS  
 DISTRICT 1- 3 TRUCKS  
 DISTRICT 2- 11 TRUCKS  
 DISTRICT 3- 0 TRUCK  
 DISTRICT 4- 22 TRUCKS

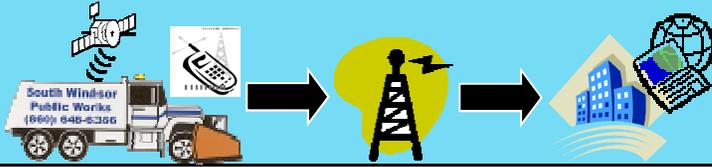
**NOTE**  
 BETWEEN NOW AND THANKSGIVING, THE GOAL OF THE DEBRIS COLLECTION COMPANY WILL BE TO MAKE ONE PASS THROUGH THE ENTIRE TOWN COLLECTING DEBRIS. THE YELLOW LINE INDICTS WHERE THE DEBRIS HAS BEEN COLLECTED UP TWO DAYS AGO. THERE WILL BE ANOTHER PASS COMING THROUGH. PLEASE REMEMBER TO FOLLOW INSTRUCTIONS ON PLACEMENT OF DEBRIS AS STATED ON OUR WEBSITE.

## TOWN OF SOUTH WINDSOR STORM ALFRED DEBRIS COLLECTION 2011



- CENTERLINES
- STATE, PRIVATE, OTHER
- DEBRIS COLLECTED
- LEAF DISTRICT 1
- LEAF DISTRICT 2
- LEAF DISTRICT 3
- LEAF DISTRICT 4

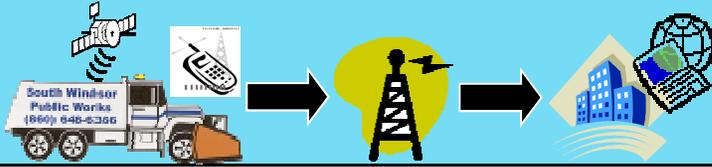
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## SAVINGS/BENEFITS GPS/GIS/WEB

### ▶ **Examples of Savings/Benefits :**

- **Provide updated Information to Utilities and DEEP & DEMHS**
- **Plan/Track/Modify Programs**
- **Another way Residents can connect to Public Works**
- **Keep Residents Informed**
- **Ability to generate Reports on Program activities**
- **Manage Programs and EOC Real-Time**
- **Redirect trucks for Emergencies –Ambulance Call –Life Saving**
- **Redirect Deployment of Equipment as Conditions Change**
- **Savings in Staff Time to Update Program Schedules for Public**
- **Monitor Contractor**
- **Safety of Knowing where Resources Are Real-Time**
- **Improved Ability to Respond to Public Issues / Work Orders**



## SAVINGS/BENEFITS-GPS/GIS

- ▶ **Improved Office to Field Collaboration**
- ▶ **Leveraged ArcGIS Online mapping in the cloud**
- ▶ **Allows for the Collection of Data Using the Town's GIS Map/Layers – thus making more Specific Interpretation and having Latest Available Town Data and Features.**
- ▶ **Allows for Historical Collection of Data for Future Trending and Management of town services.**
- ▶ **Stronger staff familiarity with GIS software and tools. Improving GIS awareness and usability on everyday issues.**
- ▶ **Collaboration with other Towns**
- ▶ **If You Can't Measure It -- You Can't Manage It !**

# QUESTIONS ?



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