POSSIBLE DEBRIS GENERATING EVENTS

- Tornados
- Hurricanes
- Derechos
- Storm Surge
- Ice Storms
- Flash Floods
- WMD
WHY DEVELOP A DEBRIS MANAGEMENT PLAN?

• Increase Response Time for Recovery
• Identify County Departmental Responsibilities BEFORE the Crisis Hits
• Establish Chain of Command and Communication Channels
• Identify Resources Needed in Advance
• Identify Logistics in Advance
• Establish Standby Emergency Contract Services
• Pre-Authorization on Various Permits
• FEMA DMP Approval to Quicken FA Process
• MAXIMIZE REIMBURSEMENT POTENTIAL
TYPES OF DEBRIS TO MANAGE

• Vegetative Debris and Stumps
• C & D
• Putrescible Waste (Extended Power Outages)
• Marine Debris and Vessels
• Contents of Homes (Furniture, Carpeting, Clothing, Electronics, White Goods, Etc.)
• HHW
• Animal Carcasses
QUESTIONS TO ASK

- Organization of Debris Management
  - Roles and Responsibilities?
  - Communication (External/Internal)?
  - Chain of Command?

- Manage Debris with:
  - In-House Resources?/Contract-Out?/ Both?

- Monitor/Quantify Debris with:
  - In-House Resources?/Contract-Out?/ Both?

- Identification of Temporary Debris Mgt. Sites

- Final Disposal of Debris
  - Local Disposal Facilities?
  - Out-of-County/State Disposal?

- Flexibility Based on Magnitude of Disaster?

- Procedures on Periodic Refresher Training?
PLANNING FOR A MAJOR DISASTER

HARFORD COUNTY DMP

- DMP Based on Worst-Case Direct Hit CAT 2 Hurricane (96-110 mph) - (Superstorm Sandy 100-110 mph peak gusts NJ Coast)
- Forecast Modeling Indicates 852,000 CY Debris
- Pre-Landfall Planning
- Post Landfall Planning
- Implementation
  - Phase I – Road Clearing Operations
  - Phase II – Debris Removal, Processing & Disposal
PRE-APPROVED PERMITS

• Erosion & Sediment Control Permit – TDMS
• State Clearinghouse Review – TDMS
  (Archeological/Historical, Threatened/Endangered Species, Wetlands, Critical Areas, Floodplain, Etc.)
• Traffic Control Plan – Debris Collection
• Roadside Tree Clearing Permit
• Land Use Consistency - TDMS
• MDE Solid Waste Review
PRE-APPROVED DOCUMENTS

• Standby Emergency Debris Management Contract - FEMA
• Standby Emergency Debris Monitoring Contract – FEMA
• White Goods/Scrap Metal Disposal Contract - FEMA
• Harford County Debris Management Plan - FEMA
PHASE I OPERATIONS

• 70 Hours After Storm Leaves
• Simply push Debris Roadside to allow for Emergency Responders
• Primary Lead – County Highways Dept. w/ asst. Parks and Recreation and Emergency Debris Contractor
• Assessment/Condemnation/Demolition Unsafe Structures – County Building Inspector
• Initiate Public Communication Plan
PICKING UP THE PIECES

Following these specific guidelines when setting out debris from a natural disaster and household trash at the curb will make for a speedier removal process.

**CORRECT WAY**
Homeowners are asked to separate debris into the following categories:

1. **Household Trash**
   - Bagged trash
   - Discarded food
   - Packaging, papers
   - All trash should be placed curbside the night before the scheduled weekly pickup.
   - Will be picked up by trash collector

2. **Damaged Building Debris**
   - Building Materials
   - Drywall
   - Lumber
   - Carpet
   - Furniture
   - Mattresses
   - Plumbing
   - Other damaged home contents

3. **Vegetation Debris**
   - Tree branches
   - Leaves
   - Logs

4. **‘White’ Goods**
   - Refrigerators
   - Washers, dryers
   - Freezers
   - Air conditioners
   - Stoves
   - Water heaters
   - Dishwashers

**WRONG WAY**

- Crossing the Line
  Any debris placed from the sidewalk or edge of road right-of-way toward your property will not be picked up. Contractors will not collect items on private property.

- Propping Up
  Do not set debris against trees or poles. Doing so makes it harder for cleanup crews to pick up the items.

Helpful Hints
1. Share piles with neighbors.
2. Empty contents of refrigerators.
3. Refrigerator and freezer doors must be removed or secured with duct tape.

Notes:
1. Residents may haul their own debris (items 2 through 4) to one of the temporary debris management sites designated on the county website.
2. All household hazardous wastes (waste oil, paint, herbicides, pesticides, batteries, solvents, cleaning supplies, pool chemicals, compressed gas) will not be picked up at curbside and must be brought to the designated temporary debris management site(s).
3. Only debris generated by the natural disaster will be accepted for pick-up.
4. Please contact the Department of Public Works at 410.638.3637 with any questions pertaining to this information.

David R. Craig
Harford County Executive
PHASE II OPERATIONS

• Construct Temporary Debris Mgt. Sites
• Debris Monitoring Operations
• Debris Collection and Transportation
• Debris Processing (Segregation & Reduction)
• Debris Disposal
• TDMS Restoration
• Application for Funding Assistance