

# State of Connecticut Disaster Debris Management Preparedness

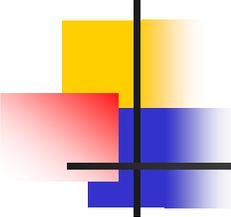
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**Presentation made to SIPRAC**

***Status Update on the State's Disaster Debris  
Management Plan and the State's Debris  
Management Contracts (Removal; Monitoring)***

**September 11, 2008**

**CTDEP : Tessa Gutowski, Management Analyst 3**



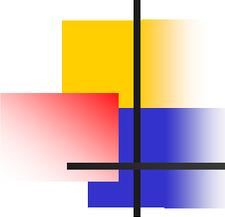
# The Eventuality

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“A Category 3 hurricane is the most probable, worst-case scenario facing the state...” DEMHS

“Hurricanes have the greatest destructive potential of all natural disasters in CT...” DEMHS



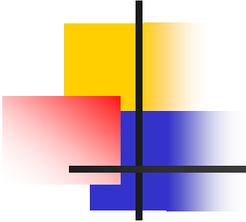
# The Projections

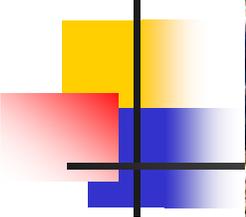
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- Based on a Category 3 hurricane striking CT, the quantity of debris generated ranges from:
  - 5.5 million tons to 20 million tons

## *Putting this amount in context:*

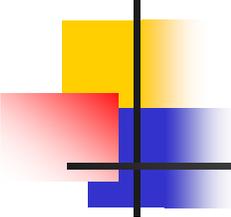
- *CT processes and disposes of approximately 5 million tons of solid waste per year*
- *Estimated amount of debris generated from the 1938 Hurricane: 20 million tons (75% woody vegetation; 25% building materials)*





Mark Wofford/ FEMA

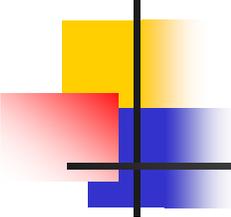




# Overview

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- Disaster Debris Management Plan, (Annex to the State Natural Disaster Plan, 2006), draft October 2007
- Contracts: Debris Removal and Debris Monitoring
- On-going DEP Planning and Implementation
- Municipal Role and Responsibilities
- Discussion



# State Natural Disaster Plan, 2006

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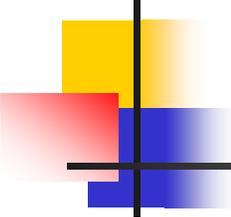
- Plan prepared by DEMHS
- Describes interaction of State government with:
  - Local and federal government
  - Utilities
  - American Red Cross and others
  - The Plan establishes mission assignments of agencies (roles and responsibilities)

# State Natural Disaster Plan

## Roles and Responsibilities for Debris Management: Core State Agencies

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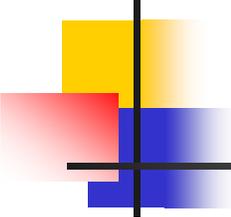
- DEMHS – Coordinates emergency response during major natural disasters
- DEP – Advises state and local officials on debris disposal; makes determinations re/open burning waivers; identifies suitable sites for managing large volumes of debris; removes debris from all DEP owned land; and acts as a support agency for local debris management operations as well as CTDOT operations
- DOT – Clears and/or removes wreckage and debris from state owned or maintained roadways and transportation facilities; lead state agency for support of local debris management operations



# State Disaster Debris Management Plan, Draft 2008

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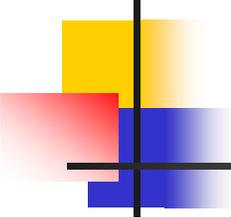
- Plan prepared by CTDEP
- Establishes a framework for proper management of debris generated by a natural disaster
- Goal is to facilitate prompt and efficient recovery that is cost-effective, eligible for FEMA reimbursement, and protective of human health and the environment
- Identifies authorities and roles of government: federal, state, and local
- Identifies major debris types to be managed: Green waste/vegetative debris; Putrescent MSW; HHW; C&D; Aggregate; Scrap Metal; White Goods; E-waste; Contaminated Soil, Silt and Sediment; Animal Mortalities; Abandoned and Stray Vehicles and Boats; and Utility Related Debris



# State Disaster Debris Management Plan, Draft 2008

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- Debris Management
  - Based on recycling and materials separation at the point of generation and staging locations to the greatest extent possible
  - Burning is a last resort
- Planning and Operations
  - Temporary Debris Storage and Reduction Sites (TDSRS)
  - Two Phases of Clean-up:
    - Phase 1 – Initial Response (first 24 to 72 hours)
    - Phase 2 – Recovery/Debris Removal

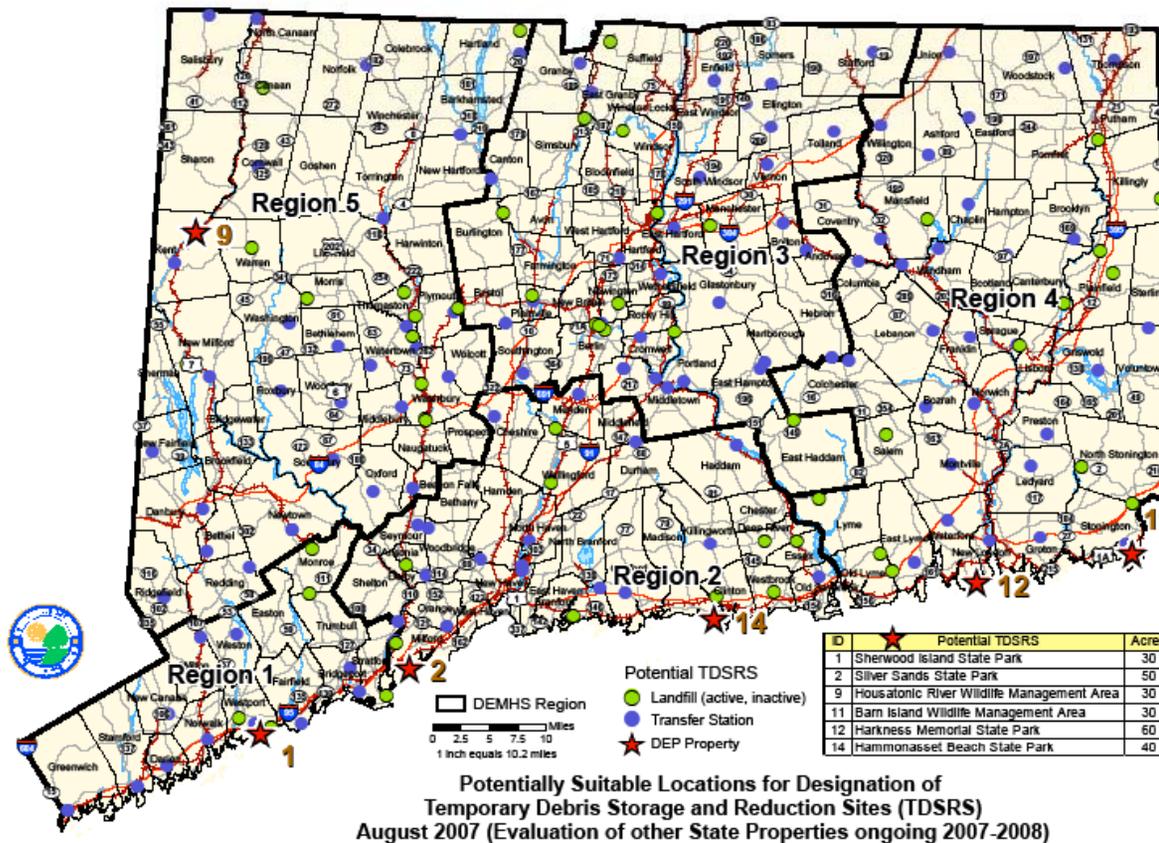


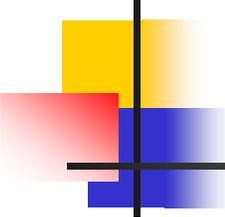
## Status Updates: The Plan

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- Draft Plan was submitted to FEMA for review and approval under the PA Pilot Program
- FEMA gave conditional approval – pending the State having contracts in place for debris removal and debris monitoring
- DEP has revised the Plan and has re-submitted it to FEMA for approval: expect an approval by September 2008

# State Disaster Debris Management Plan – Temporary Debris Storage and Reduction Sites

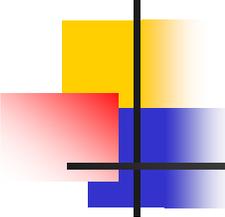




# TDSRS Guidance

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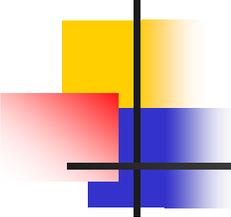
- Public land/>10 acres
- Size of site is a function of: expected volume of debris and volume reduction methods
- Paved sites best, semi-paved or large parking lots paved next best
- Per FEMA guidance – establish pre-existing baseline conditions
- TDSRS for debris other than green waste – should not be allowed in public source water protection areas; shall not be located within 200 feet of a watercourse, waterbody, or wetland, unless approved by DEP
- Avoid locating near residential areas, schools, and hospitals
- Sites should not have critical habitat or rare ecosystems, threatened and/or endangered species, historic and/or archaeological sites
- Sites should have good ingress/egress



## Status Update: RFPs/Contracts

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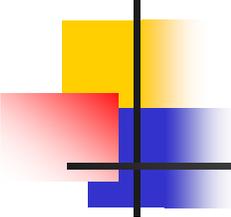
- While the Plan was being developed, RFPs were being developed and solicited through DAS Contracting Portal
- RFPs covered: debris *monitoring* and debris *removal*, per FEMA Guidance
- Both are pre-event contracts with no immediate cost to the state



# Status Updates – Contracts

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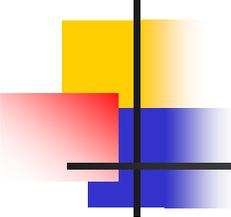
- Debris Removal
  - Executed contracts (8/08): (Primary – AshBritt, Inc.) and (Secondary – Phillips & Jordan, Inc.)
  - Purpose: To remove large volumes of disaster generated debris, in a timely, efficient and cost effective manner and lawfully manage the recycling and disposal of debris following a natural disaster
- Contract Award No. 08PSX0027  
[http://www.das.state.ct.us/Purchase/bl\\_Contracts\\_Display.asp?F\\_Tran\\_Type=3&F\\_Key\\_Word=08PSX0027&B1=Go&F\\_Status=-1](http://www.das.state.ct.us/Purchase/bl_Contracts_Display.asp?F_Tran_Type=3&F_Key_Word=08PSX0027&B1=Go&F_Status=-1)



# Status Updates: Contracts

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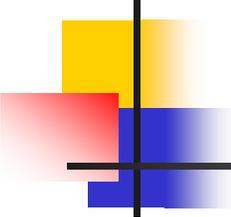
- Debris Monitoring:
  - Executed Contract (6/08): R.W. Beck Disaster Services
  - Purpose: To provide the required and close monitoring of the debris management contracted operations to ensure that the State receives FEMA funding that it is eligible to receive and that reasonable costs are made. Monitoring will also prevent/mitigate fraud.
- Contract Award No.: 08PSX0028  
[http://www.das.state.ct.us/Purchase/bl\\_Contract\\_display\\_detail.asp?F\\_Tran\\_Type=3&F\\_ID=14003](http://www.das.state.ct.us/Purchase/bl_Contract_display_detail.asp?F_Tran_Type=3&F_ID=14003)



## On-going State (DEP) Planning

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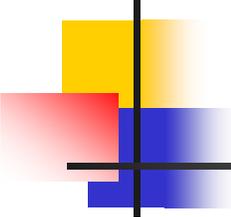
- Internal DEP action items being addressed and/or under discussion:
  - Train staff on Plan and Contracts
  - Develop necessary authorities and/or best management practices in managing debris: i.e., Emergency Authorizations, BMPs for working in regulated areas
  - Revise the DEP webpage on Disaster Debris Management Preparedness
  - Revise the Municipal Guidance Document
  - Begin discussions on EQ and Agency operational response



## Roles and Responsibilities for Debris Management: Municipalities

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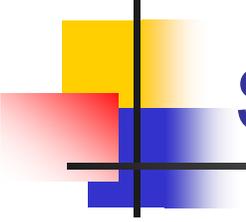
- Preparation of Disaster Debris Management Plan as an annex to Local Emergency Management Plan
- Identify local Temporary Debris Storage and Reduction Sites (in addition to existing facilities)
- Provide debris clearance during the immediate aftermath of a storm event
- Establish pre-positioned contracts as they deem appropriate
- Contact DEMHS to request State or federal assistance as needed
- Develop a Public Communication and Outreach Strategy



# Key Resources

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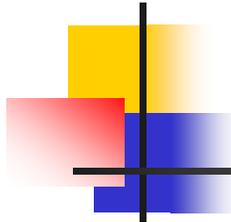
- DEP Disaster Debris Management webpage:
  - [http://www.ct.gov/dep/cwp/view.asp?a=2718&Q=410492&depNav\\_GLID=1646](http://www.ct.gov/dep/cwp/view.asp?a=2718&Q=410492&depNav_GLID=1646)
- FEMA
  - [http://www.fema.gov/government/grant/pa/debris\\_main.shtm](http://www.fema.gov/government/grant/pa/debris_main.shtm)
- EPA
  - <http://www.epa.gov/epawaste/nonhaz/municipal/disaster/disaster.htm>
- USACE
  - <https://eportal.usace.army.mil/sites/ENGLink/DebrisManagement/default.aspx>



## State Contacts

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- DEP
  - Tessa Gutowski, 860-424-3096
  - Frank Gagliardo, 860-424-3130
- DEMHS
  - Strategic Planning: 860-256-0800
  - DEMHS Regional coordinators:
    - Region 2: 860-685-8105
    - Region 3: 860-529-6893
    - Region 4: 860-537-7560



# Discussion

