



Debris Removal



Debris removal is the clearance, removal and/or disposal of debris following a disaster. The resulting debris may be comprised of one or more of the following types:

- | | |
|-------------------------------------|--|
| Construction & Demolition materials | Electronic debris - (computers, TVs, etc.) |
| Sediments | Sandbags |
| Vegetative debris | White Metals - (washer, refrigerators, etc.) |
| Metals - (awnings, etc.) | Personal Property |
| Animal Carcasses | Hazardous Household Waste |



DEBRIS REMOVAL ISSUES

Eligibility

- ☑ Debris must be:
 - The result of a declared event
 - Located in the designated disaster area
 - The legal responsibility of an eligible applicant
- ☑ Debris removal is eligible when it:
 - Eliminates immediate threats to lives, public health & safety
 - Eliminates immediate threats of significant damage to improved public or private property
 - Ensures the economic recovery of the affected areas to the benefit of the community-at-large
- ☑ Debris on private property is eligible only when:
 - The disaster caused severe and widespread damage
 - Removal is necessary to eliminate an immediate threat to life, public health & safety or to improve public or private property, or to ensure the economic recovery of the affected community to the benefit of the community-at-large
 - The work is performed by an eligible applicant

Debris Monitoring

- ☑ You must have a debris monitoring plan
- ☑ Monitoring to be done by trained & properly supervised personnel
- ☑ Thorough understanding of monitoring responsibilities and techniques
- ☑ Most effective process for identifying, evaluating & resolving debris issues



Danger!

INELIGIBLE FOR DEBRIS REMOVAL

- 🚫 **Vehicles**
- 🚫 **Damaged pools, basements, foundations**
- 🚫 **Pre-disaster items awaiting disposal**
- 🚫 **Reconstruction debris**
- 🚫 **Non-threatening debris**
- 🚫 **Non-disaster damages**



DEBRIS MANAGEMENT PLAN

- 👉 A good debris management plan can save you time and money.
- 👉 A debris management plan will address both short term and long term goals and actions.
- 👉 A debris management plan is essential for a quick and effective response to and preparation for debris from the next major disaster.

Debris Removal



DEBRIS REMOVAL ISSUES - *Continued*

Debris Contracts:

- Remember to follow legal procurement procedures
- Must meet or exceed federal procurement standards for FEMA reimbursement (*44 CFR, Part 13*)
- For emergency procurement
- Fully document process
- Ensure costs are reasonable and justified
- Monitor activities and document monitoring process
- Ensure all activities in the contract are required for debris removal and are eligible for reimbursement

Potential Debris Contract Activities:

- Debris management planning
- Clearance
- Removal & hauling
- Demolition
- Debris management sites
- Recycling
- Household hazardous waste
- Asbestos
- Final disposition (from temporary site to final disposal site)
- Monitoring
- Project Management

Contract Types

- Time and Materials
 - Used during first 70 hours of the emergency
 - Cannot exceed 70 hours for all contracts without FEMA waiver
 - Requires detailed documentation & full time monitors
- Unit Price
 - Requires full time trained third-party contract monitors
 - Requires all trucks to be accurately measured & numbered
 - Requires all truckloads to be documented
- Lump Sum
 - Area Method
 - Requires clear, definable scope of work
 - Difficult to estimate debris amounts
 - High probability of claims
 - Contractors shoulder most of the risk
 - Pass Method
 - Requires accurate, up-to-date plans
 - Must have public cooperation
 - Requires public information office involvement
 - Has definitive scope of work



Additional Resources

- Disaster Plan, California Dept. of Resources Recycling & Recovery (CalRecycle)
- Debris Management Guide, FEMA
- Debris Operations Job Aid, FEMA
- Public Assistance Policy Guide, FEMA
- Public Assistance Guide, FEMA
- [Debris Management Plan Flyer](#)
- [Private Property Debris Removal Flyer](#)

Web Sites

- www.caloes.ca.gov
- www.fema.gov
- www.calrecycle.ca.gov



Want more information on debris management?

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Regulations: *44 CFR, Section 206.224.*
Stafford Act, Sections 403 & 407

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