



FEMA

RECOVERY

FACT SHEET

9580.201

ATTACHMENT 1: Debris Removal Contract Cost Analysis

This guidance is intended to assist Public Assistance applicants in complying with the requirements of 44 CFR Part 13.36, **Procurement**, for debris operation contracts or contract modifications where adequate price competition is lacking.

When to Conduct a Cost Analysis

Applicants should complete a cost analysis when one of the following conditions applies:

- The applicant has not received two or more priced bids from responsible bidders after soliciting a number of sources;
- Services can only be provided by a single source;
- The awarding agency authorizes noncompetitive proposals;
- The public exigency or emergency for the requirement will not permit a delay resulting from competitive solicitation; or
- The procurement is a contract modification or change order.

General Contract Review

In order to conduct a cost analysis, applicants should request cost documentation from their debris contractors. This documentation should contain a detailed breakdown of costs for each item of work activity and information on how the contractor arrived at its costs, including, but not limited to:

- Number of labor hours,
- Labor rates,
- Materials (types, quantities, and costs),
- Equipment hours,
- Equipment rates, or

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- Unit costs

Applicants are encouraged to verify the mathematical accuracy of the cost documentation by recalculating the contractor's cost figures. Applicants should also review the proposed contract's scope of work for cost reasonableness to ensure that the proposed scope does not fall under an existing contract.

Applicants should ensure that the contract does not use prohibitive contracting methods per 44 CFR § 13.36(f)(4), including:

1. Cost plus a percentage of cost – this is a contract that provides a specified percentage profit over and above the actual costs of construction; and
2. Percentage of construction cost.

Labor Rate Analysis

Applicants may determine the reasonableness of labor rates by:

1. Comparing the proposed labor category rates with the labor rates in another contract that was competitively bid;
2. Matching rates for each labor category to an acceptable source (e.g. RS Means);
3. Verifying that the classification of each worker and skill level proposed in the contract are reasonable and necessary for the scope of work. For example, a contractor should not propose using an experienced supervisor rate or worker with professional qualifications for work that can be done by a low skilled laborer (e.g., using a professional engineer for debris monitoring). In this case, the supervisor labor classification is unreasonable and should be adjusted to the appropriate labor classification that is more commensurate with the type of work being performed; and
4. Verifying that the proposed number of labor hours are reasonable for the scope of work.

Equipment Rate Analysis

Applicants may determine the reasonableness of equipment rates by:

1. Comparing the proposed equipment rates with the equipment rates in another contract that was competitively bid (if a change order, compared rates to the original contract);
2. Comparing the proposed equipment rates to FEMA's Schedule of Equipment Rates, available at www.fema.gov;
3. Matching equipment rates for each piece of equipment to an acceptable source (e.g., EquipmentWatch);

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4. Verifying that the type of equipment proposed is reasonable and necessary for the scope of work;
5. Verifying that the number of units (normally hours) of equipment usage necessary to complete the work is reasonable considering the specific scope of work; and
6. Verifying that there are no contract provisions for the following items with regard to the proposed equipment costs:
 - Mobilization costs
 - Standby costs

Unit Rate Analysis

Applicants may determine the reasonableness of unit rates by:

1. Verifying that the unit of measurement (i.e. cubic yard, weight, each, etc.) is appropriate for the scope of work (if the contractor quoted a unit rate price); and
2. Comparing the proposed unit rates with similar rates in another contract that was competitively bid (if a change order, comparing rates to the original contract).

Materials and Supplies Analysis

Applicants should review the materials and supplies included in the contract proposal and ensure that all costs are reasonable.

(Scope of Work) Volume Estimates

In some circumstances, a contractor will include debris volume estimates in support of its proposed costs. Contractors develop these estimates using aerial and ground assessments, forecasting and estimating models (e.g., USACE hurricane debris models and photographs), side scan sonar and other methodologies.

Applicants should request hard copies of volume estimates and all supporting documentation in order to determine if the methodology that the contractor used to estimate debris was an acceptable and reasonable methodology. Applicants should also verify that the volume estimates are reasonable and accurate.

Price Analysis for Competitively Bid Contracts

Applicants are required by 44 CFR Part 13.36(f)(1) to perform a price analysis in all other instances (i.e., for competitively bid contracts when price competition is adequate), to determine the reasonableness of

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the proposed contract price. Price analyses may incorporate an evaluation of: historic documentation for similar work; average costs for similar work in the area; published unit costs from the national cost estimating databases; and FEMA cost codes, equipment rates, and engineering and design service curves. Upon request, FEMA will assist applicants in the review of these contracts and provide guidance as necessary.