

Oklahoma Department of Emergency Management and Homeland Security



Purpose of Briefing

- Status of Declaration Request
- Preliminary Damage Assessments
- High Level Debris Information
- DEQ Presentation



Opening Comments from Director Gower

No FEMA Declaration YET

As of 10.30.2020

Status of Request

- Preliminary Damage Assessments
 - Virtual
- Federal Request
 - May come in phases

Thresholds/Indicators

- State Indicator – About 6 million minimum
- County Indicator – Varies by County due to population



Preliminary Damage Assessment

Virtual

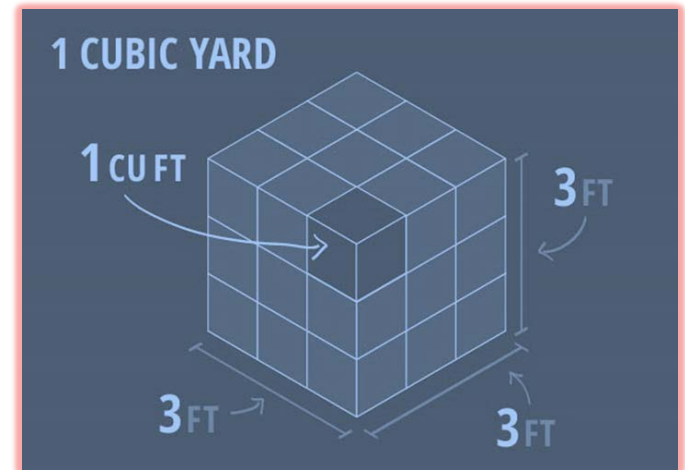
- FEMA will be conducting virtual PDAs
 - Record video of hard-hit areas
 - Pictures with GPS coordinates
 - Estimate debris quantities
 - ◆ Include details on the methodology used for the estimate
 - ◆ Identify the types of debris
 - ◆ Contracting documents with estimates of debris (if available)



Debris

Quantifying Debris

- A cubic yard (cy)
 - 1 cy = 1 yd. wide x 1 yd. long x 1 yd. deep
 - Volume of 1 cy = 27 ft.³
- Most wheelbarrows hold about 3 cubic ft. of material. It takes about 9 loads per cy



Estimating Debris



1 cy
 \approx
size of washing
machine

-
- How can the debris be quantified?
 - What are potential eligibility issues?



Measuring as a box



Calculations and Conversions

Equations to calculate Areas and Volumes of different shapes

Circumference of Circle		Length=3.1416*2*r 2*r= diameter Length=3.1416*d	Proportion (If a/b=c/d, calculate c) <i>Not calculated in feet, these are pure numbers</i>
Diameter in Ft	Length (Circumference) in Ft	a	b
		d	c

AREAS

Area of Circle Area=3.1416*r² r=d/2 r²=(d/2)² = (d²)/4

Diameter in Ft	Area in Sq Ft

Area of Rectangle Length X Width = Area

Length in Ft	Width in Ft	Area in Sq Ft

Area of Right Triangle (Length X Width) / 2

Length in Ft	Width in Ft	Area in Sq Ft

Area of other Triangles (Height at right angle to base X Base) / 2

Height in Ft	Base in Ft	Area in Sq Ft

Area of Parallelogram (Height (at right angle to base) X Base

Height in Ft	Base in Ft	Area in Sq Ft

Area of Hexagon (6 equal sides) (Length of 1 side squared) X 2.598

Length in Ft	Area in Sq Ft

Area of Octagon (8 equal sides) (Length of 1 side squared) X 4.838

Length in Ft	Area in Sq Ft

Area of a trapazoid (Sum of two heights / 2) multiplied by base

Height 1 in feet	Height 2 in feet	Base in feet	Area in Sq Ft

Volumes

How to calculate volume in cubic yards. 1 Cu Yd = 27 Cu Ft

/-----FEET-----\ (Length X Width X Depth) / 27=Cubic Yds			
Length	Width	Depth	Cu Yd
			0.0

How to calculate volume of a cone

Radius of Base - Ft	Height Feet	Cu Yd

How to calculate volume of a cylinder

Radius of Base - Ft	Height Feet	Cu Yd

Wood

MBF = Thousand Board Feet

Length-Ft	Width-In	Thick - In	Board Feet
			MBF= Thousand Board Feet

Volumes

How to calculate volume in cubic yards. 1 Cu Yd = 27 Cu Ft

/-----FEET-----\			(Length X Width X Depth) / 27=Cubic Yds
Length	Width	Depth	Cu Yd
15.0	19.0	4.0	42.2

How to calculate volume of a cone

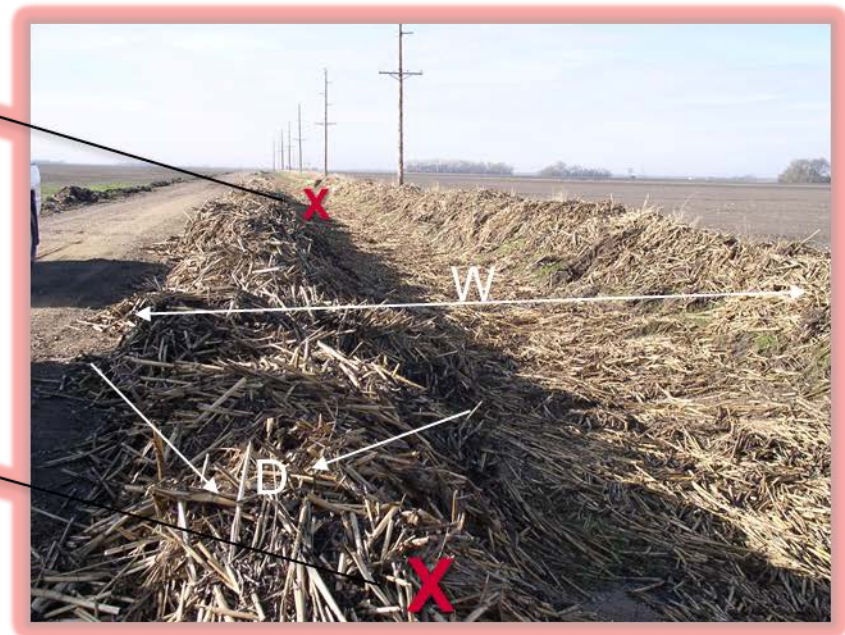
Radius of Base - Ft	Height Feet	Cu Yd
15.0	5.0	43.6



Measuring the Debris

GPS Ending
47.23080
-96.69772

GPS Beginning
47.85293
-96.69772



Debris Tracking

- Debris must be tracked from where it was picked-up to where it is disposed of



Contracting

Acceptable Contracts

Lump Sum	Work within prescribed boundaries; clearly defined scope and total price
Unit Price	Work done on an item-by-item basis with cost determined on a unit basis
Cost plus Fixed fee	Lump sum or unit price contract with a fixed contractor fee added into the price
Time & Materials	Now says – “limited to a reasonable time based on circumstances during which a definitive clear scope of work could not be identified” You MUST be able to justify!

Unacceptable Contracts

- Unacceptable Contracts
 - Cost plus percentage of cost contracts are **ineligible**.
 - Piggyback contracting is generally **ineligible**.
- Debarred Contractors
 - Must check the Excluded Parties List
 - www.sam.gov

Procurement

- 2 CFR
- Nationally Competitive
- Minority and Female Owned

Monitoring

- If contractors are hired, you must monitor their work

Contract Questions

- We are here to help
- FEMA Info: This site should have the most up to date information for contracting information.
 - <https://www.fema.gov/grants/procurement>



Force Account

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- Tracking is key
 - Payroll – Needs to be contributable to the disaster
 - Tying personnel to equipment usage
 - Document where the work is preformed
 - Debris needs to be tracked from beginning to the end

Donated Resources

- Donated resources can be used to offset the non-federal share of eligible work costs. Donated resources include volunteer labor, equipment, supplies and materials, and logistical support. Tacking sheets are attached to this message.

More to Come

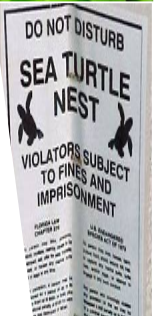
- We will continue to send pertinent information as the situation develops

Environmental & Historic Preservation (EHP)

All FEMA projects must comply with applicable Federal, state, and local environmental and historic preservation (EHP) laws

Best Practices

- Avoid placement of critical actions, such as temporary hospitals, in high-risk flood hazard areas
- Avoid placement in wetlands, brownfields, and other use restricted sites.
- Place tents, temporary structures, and modular units on existing parking lots, other hard surfaces, or improved surfaces and connect to existing utilities
- Avoid new ground disturbance when possible. Should ground disturbance reveal archaeological resources, notify FEMA and State Historic Preservation Officer immediately



For detailed information please review *COVID-19 Fact Sheet Environmental and Historic Preservation (EHP) and Emergency Protective Measures for COVID-19*

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