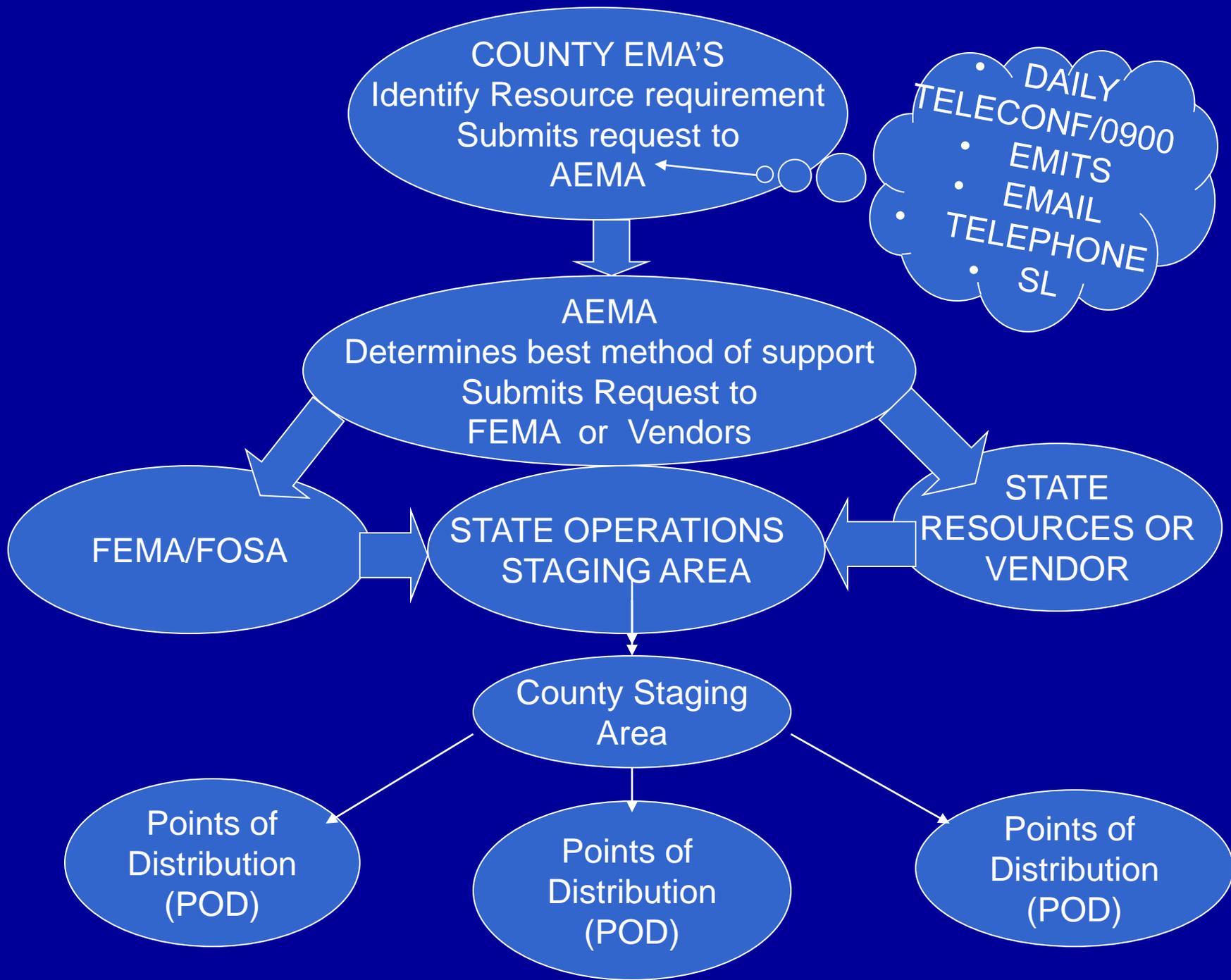




LOGISTICS

LOGISTICS OVERVIEW

- FEDERAL LOGISTICS RESOURCE CENTER(S) (LRC)
- FEDERAL MOBILIZATION CENTER(S) (MOBCENTER)
- FEDERAL OPERATIONS STAGING AREA (FOSA) – MAXWELL AFB, MONTGOMERY, AL
- AEMA LOGISTISCAL MOBILIZATION CENTER AND STATE OPERATIONS STAGING AREA – MAXWELL AFB, MONTGOMERY, AL
- COUNTY--STAGING AREAS
- COUNTY-- POINTS OF DISTRIBUTION (POD)
- -----
- GENERATORS (KW /Location/Connection)
- FUEL (Emergency vehicles)



AEMA LOGISTICS

- Emergency Management Information Tracking System (EMITS)
- Logistics Database
 - Staging and POD – Location / Description / Personnel / equipment, etc
- Pre-Event Contracts – Ice, Water, Emergency Rations/Meals, Generators
- Developing vendor database with Alabama Finance Dept. Purchasing Division

AEMA LOGISTICS

- US ARMY CORPS OF ENGINEERS: LOCAL DISTRIBUTION POINT PLANNING FOR COMMODITIES
 - Predictive Modeling for commodities
 - Template for distribution points
 - = Manpower and equipment
 - = Site Layout

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Click on “Intergovernmental Plans (IGP)”

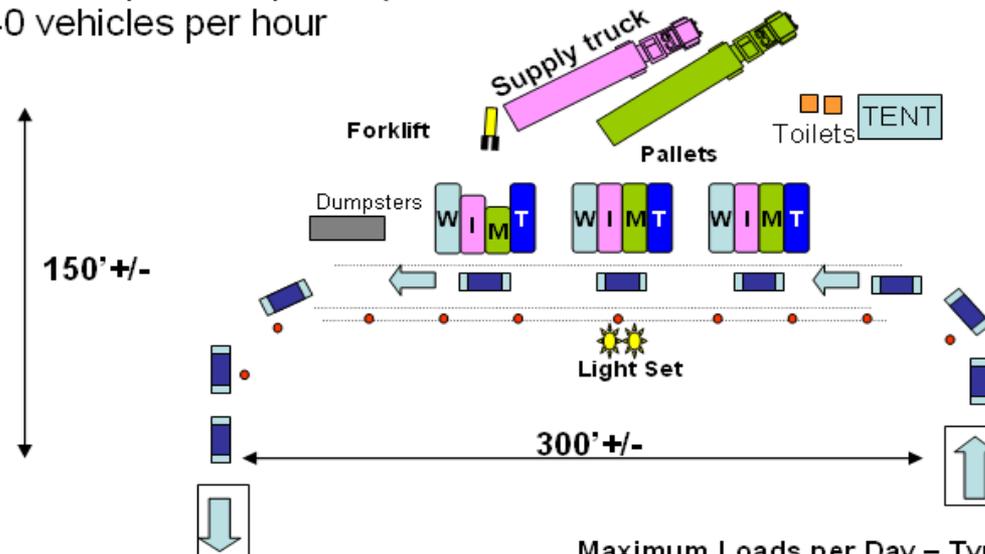
Next Click on “Commodities P&D”

- **5. Planning Factors:** The following are general information and common planning factors that, if used by all, will help in coordinating and communicating during the planning and response process.
- **5.1 General Information:**
- Ice: 8 lbs (1bag) per person per day
- 40,000 bs per truck load
- 20 Pallets per truck, 2000 lbs per pallet, 250 – 8 lbs bags per pallet, 5000 bags per truck
- 25 Trucks = 1 million lbs
- Water: 3 liters or 1 gal per person (3.79 liters per gal)
- 18,000 liters or 4,750 gal per truck
- 20 Pallets per truck, 900 liters per pallet,
- 237 gal per pallet, 1900 lbs per pallet
- 212 Trucks = 1 million gal
- MRE's - 2 MREs per person per day
- 21,744 MREs per truck load
- 12 MREs per case, 1812 cases per truck
- 46 truck loads = 1 million MREs
- Tarps: 4,400 tarps per truck load
- Tarp size is generally 20' x 25'

- 5.3 Distribution Point Planning: The following are assumptions used for distribution planning:
 - - Victims will drive through a distribution point and be served without leaving their vehicles.
 - - Each car represents an average family of 3.
 - - Each vehicle passing through a distribution point will receive the following:
 - 2 or 3 bags of ice
 - 1 case of water (9 – 12 liters)
 - 6 MREs
 - 1 tarp
 - 1 truck load of ice and water will serve 1,660 vehicles or about 5000 people
 - 1 truck load of MREs will serve 3,624 vehicles or about 10,000 people
 - 1 truck load of tarps will serve 4,400 vehicles or about 4,400 homes
 - Distribution points will be open to the public for 12 hours per day.
 - Re-supply of distribution points will primarily be at night (while the point is closed to the public).

TYPE III - DISTRIBUTION POINT

Serves 5,000 persons per day
140 vehicles per hour



Note: Individual vehicles drive through and Ice & water is loaded into their trunks. Recommend One case water, 2 or 3 bags of ice per vehicle and 6 MRE's

Supply trucks for Ice, Water, MRE's and Tarps are to be off-loaded promptly and returned for re-supply.

Maximum Loads per Day – Type III

Water	1
Ice	1
MRE	1/2
Tarp	1/2

Figure 7

Type III Distribution Point Resources Required

Type III Distribution Point						
Manpower				Equipment		
Type		Day	Night	Type	Number	
Local Responsibility	Team Leader		1	0	Forklifts	1
	Forklift Operator		1	1	Pallet Jacks	1
	Labor		14	2	Power Light Sets	1
	Loading PT	9			Toilets	2
	Back-up Loading PT	4			Tents	1
	Pallet Jacks Labor	1			Dumpsters	1
	Totals		16	3	Traffic Cones	10
Others	Law Enforcement		2	1	Two-way radios	0
	Community Rel.		1	0		
Grand Total		19	4			



Figure 8

Enter # of people without power (Equals number of customers x 3) **650,000**

of people requiring commodities 260,000

of Type III Dist. Points Req'd 52

	Type III	Dist.	Point		
Manpower	Day	Night		Equipment	
Local Req.				Forklifts	52
Forklift Oper	52	52		Pallet Jacks	52
Laborers	780	104		Traff Cones	520
Total	882	156		Light Sets	52
Law Enf	104	52		Toilets	104
Comun Rel	52	0		Tents	52
Grand Total	988	208		Dumpsters	52

Tarps	
Loads	Each
59	260,000

Number of truck loads required per day for 24 days	Days	Water		ICE		MREs	
		Loads	K Gal	Loads	K Pounds	Loads	Each
	1	52	247.0	52	2080	26	565,344
	2	48	225.8	48	1902	24	521,856
	3	43	204.7	43	1723	22	468,428
72 Hour Planning Total >		143		143		72	
	4	39	183.5	39	1545	19	419,970
	5	34	162.3	34	1367	17	371,512
	6	30	141.1	30	1189	14.9	323,054
60% Power back on-line >	7	25	120.0	25	1010	12.6	274,596
	8	21	98.8	21	832	10.4	226,138
	9	19	89.5	19	754	9.4	204,937
	10	17	80.3	17	676	8.5	183,737
	11	15.0	71.0	15.0	598	-	-
	12	13.0	61.8	13.0	520	-	-
	13	11.1	52.5	11.1	442	-	-
	14	9.1	43.2	9.1	364	-	-
90% Power back on-line >	15	7.2	34.0	7.2	286	-	-
	16	5.2	24.7	5.2	208	-	-
	17	4.6	21.6	4.6	182	-	-
	18	3.9	18.5	3.9	156	-	-
	19	3.3	15.4	3.3	130	-	-
	20	2.6	12.4	2.6	104	-	-
	21	2.0	9.3	2.0	78	-	-
	22	1.3	6.2	1.3	52	-	-
	23	0.7	3.1	0.7	26	-	-
	24	0.0	0.0	0.0	0	-	-
Total Loads		405.6	1926.6	405.6	16224	164	3,559,570

Enter Number of Type III Dist. Points to be used	32								
- 1 Type II = 2 Type III									
- 1 Type I = 4 Type III									

Number of truck loads required per day for 24 days	Days	Water		ICE		MRs		Tarps	
		Loads	K Gal	Loads	K #	Loads	Each	Loads	Each
	1	32	152.0	32	1280	16	347,904		
	2	29	139.0	29	1170	15	318,084		
	3	27	125.9	27	1061	13	288,263		
Initial Order (72 Hour Planning Total) >		85		88		44		36	160,000
	4	24	112.9	24	951	12	258,443		
	5	21	99.9	21	841	11	228,623		
	6	18	86.9	18	731	9.1	198,802		
Next Order (next 72 Hour Planning Total) >		63		63		32			
	7	16	73.8	16	622	7.8	168,982		
60% Power back on-line >	8	13	60.8	13	512	6.4	139,162		
	9	12	55.1	12	464	5.8	126,115		
	10	10	49.4	10	416	5.2	113,069		
	11	9.2	43.7	9.2	368	-	-		
	12	8.0	38.0	8.0	320	-	-		
	13	6.8	32.3	6.8	272	-	-		
	14	5.6	26.6	5.6	224	-	-		
	15	4.4	20.9	4.4	176	-	-		
90% Power back on-line >	16	3.2	15.2	3.2	128	-	-		
	17	2.8	13.3	2.8	112	-	-		
	18	2.4	11.4	2.4	96	-	-		
	19	2.0	9.5	2.0	80	-	-		
	20	1.6	7.6	1.6	64	-	-		
	21	1.2	5.7	1.2	48	-	-		
	22	0.8	3.8	0.8	32	-	-		
	23	0.4	1.9	0.4	16	-	-		
	24	0.0	0.0	0.0	0	-	-		
Total Loads		249.6	1185.6	249.6	9984	101	2,187,446	36	160,000

POINT OF DISTRIBUTION (POD)

Location Details	
*Location Type:	<input type="text" value="Logistical"/>
*Location Name:	<input type="text"/>
Street Address:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
Zip:	<input type="text"/>
*County:	<input type="text"/>
Region:	<input type="text"/>

Region:	<input type="text"/>
Latitude:	<input type="text"/>
Longitude:	<input type="text"/>

Resources

Power	<input type="radio"/> Available <input checked="" type="radio"/> None
Internet	<input type="radio"/> Available <input checked="" type="radio"/> None
Phone	<input type="radio"/> Available <input checked="" type="radio"/> None

Building Description

<input type="text"/>

Distribution/Staging

*Type	<input type="text"/>
Distribution Type	<input type="text"/>
Capabilities	
Surface	<input type="text"/>
Heavy Traffic Support	<input type="radio"/> Supported <input checked="" type="radio"/> Not Supported
Heavy Equipment Support	<input type="radio"/> Supported <input checked="" type="radio"/> Not Supported
Security	
Security Assessment	<input checked="" type="radio"/> Open <input type="radio"/> Secure
# of Entrances	<input type="text"/>
# of Exits	<input type="text"/>
Security Notes	<input type="text"/>

**Required
Manpower**

<u>Type</u>	<u>Available Resources</u>	<u>Shortfalls</u>	<u>Total</u>
Manager(s)	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>
Team Leader(s)	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>
Fork Lift Operator(s)	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>
Laborer(s)	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>
Security	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>
Law Enforcement	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>
Community Relations	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>
Manpower Total	0 <input type="text"/>	0 <input type="text"/>	0 <input type="text"/>

Calculate

Manpower Notes

Required Equipment	Type	Available Resources	Shortfalls	Total
	Fork Lift(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	Pallet Jack(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	Power Light Set(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	Toilet(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	Tent(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	Dumpster(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	Traffic Cone(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
	Radio(s)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="button" value="Calculate"/>				

Equipment Note(s)

Life Support Plan

Details

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