

USACE PRE-EVENT Commodities Model

Enter # of people without power 500,000

(Equals number of customers x 3)

of people requiring commodities 200,000

of Type III Dist. Points Req'd 40

Type III Dist. Point				
Manpower	Day	Night	Equipment	
Local Req.			Forklifts	40
Forklift Oper	40	40	Pallet Jacks	40
Laborers	600	80	Traff Cones	400
Total	640	120	Light Sets	40
Law Enf	80	40	Toilets	80
Comun Rel	40	0	Tents	40
Grand Total	760	160	Dumpsters	40

Tarps	
Loads	Each
45	200,000

Number of truck loads required per day for 24 days	Days	Water		ICE		MREs	
		Loads	K Gal	Loads	K Pounds	Loads	Each
	1	40	190.0	40	1600	20	434,880
	2	37	173.7	37	1463	18	391,392
	3	33	157.4	33	1326	17	360,329
72 Hour Planning Total >		110		110		55	
	4	30	141.1	30	1189	15	323,054
	5	26	124.9	26	1051	13	285,778
	6	23	108.6	23	920	11.4	248,503
	7	19	92.3	19	777	9.7	211,227
60% Power back on-line >	8	16	76.0	16	640	8.0	173,952
	9	15	68.9	15	580	7.3	157,644
	10	13	61.8	13	520	6.5	141,336
	11	11.5	54.6	11.5	460	-	-
	12	10.0	47.5	10.0	400	-	-
	13	8.5	40.4	8.5	340	-	-
	14	7.0	33.3	7.0	280	-	-
	15	5.5	26.1	5.5	220	-	-
90% Power back on-line >	16	4.0	19.0	4.0	160	-	-
	17	3.5	16.6	3.5	140	-	-
	18	3.0	14.3	3.0	120	-	-
	19	2.5	11.9	2.5	100	-	-
	20	2.0	9.5	2.0	80	-	-
	21	1.5	7.1	1.5	60	-	-
	22	1.0	4.8	1.0	40	-	-
	23	0.5	2.4	0.5	20	-	-
	24	0.0	0.0	0.0	0	-	-
Total Loads		312.0	1482.0	312.0	12486	125	2,728,095