TAB – D QUALIFYING RESOURCES

Methodology for determining quantities of resources to order and distribute to the affected population:

NOTE: *As of 2007 FEMA will no longer provide ice for POD operations. FEMA will only provide ice for medical reasons. Ice is available from the state upon request. Counties will be responsible for all costs associated with ice the acquisition of ice.*

The state will be required, in cooperation with FEMA and county governments, to provide limited life saving and sustaining resources to incident victims. The state will provide water, *(ice upon request)* food, and (*tarps upon request*) as necessary to incident victims.

I.   The state will provide 3 liters (or 1 gallon) per person per day; *7-8 pounds of ice* per person per day; and 2 meals, (most probably in the form of MREs) per person per day.

II.   Persons per household will be considered a family unit. The 2000 US Census reported that there are 2.53 persons per household. Rounding up for planning purposes, the plan will assume there are 3 persons per household.

III.   The quickest method available for developing the baseline number of people affected by an incident is to assume all persons without commercial electrical power may be in need of aid. Utilities report power outages in terms of customers without power. The term customers include commercial and residential subscribers. Use of utility reported customers without power will give a base for calculating number of persons requiring aid. This is a rough estimate; however, it will provide a rapid number for use in ordering supplies.

IV.   To determine the rough estimate of persons needing resources, the LogCell will multiply the number of households (customers when commercial vs. residential is indistinguishable) without power by three (average number of persons per household/ family).

V.   History shows that a percentage of the affected population will have made provisions for an incident, temporarily relocate to residences of friends or relatives, or temporarily relocate out of the affected area. FEMA and the Army Corps of Engineers estimate that 40 percent of the affected population will require aid. Based on recent experience that other states have had with POD operations, SC will utilize the Corps model of affected population to ensure adequate supplies are ordered to provide incident victims with needed relief. As post-incident assessments are made, the model for ordering supplies will be adjusted.

Tab –C Qualifying Resources

VI. The model for determining quantities of resources based on the affected population can be expressed in the following formula:

A. $X=n$ (3) (0.40), where X is equal to the number of persons that may require resources; n equals the number of customers without electricity; 3 represents the average number of persons per household; and 0.40 (or 40%) equals the percentage the affected population requiring resources.

B. Throughput of persons at points of distribution must be considered. If there are more people requiring assistance than there are PODs, additional PODs will have to be activated to support demand.

C. Resources will be determined based on the product (X) derived from the equation above. Water will be ordered by multiplying X times 3 liters (or X times 1 gallon, depending on supplier); ice will be ordered by multiplying X times 1 bag (*7 of 8 pound bag, depending on supplier*); and food will be ordered by multiplying X times 2 meals (MREs).

D. The state will provide each affected county one-day's worth of resources per day, based on incident intelligence indicating the number of people needing relief, and throughput capability of the counties points of distribution.

E. The state will order a 3 to 5 day supply of each commodity needed based on the severity of the incident. Subsequent orders for additional supplies will be made based on considerations including return of power to affected communities, number of persons served by relief missions, ongoing incident intelligence gathered during initial response and recovery operations, and other pertinent information.