Resource Management Plan

The Problem

BIDMC identified the need to have as part of its emergency management plan, processes for sustaining and managing resources such as utilities, food and water during an emergency without community support for up to 96 hours.

Aim/Goal

Our goal was to develop a measured sustainability tool for utilities and resources to continue essential services with on-site resources. This tool assists the Incident Management Team in outlining conservation and rationing strategies to maintain essential services and establishes trigger times for evacuation when the environment can no longer support care.

The Team

Emergency Management Staff, Maintenance Operations, Food Services, EVS, Respiratory, Materials Management, Pharmacy, Poland Springs

The Interventions

- Development of a measured sustainability tool by resource based on assumed numbers of patients, staff and visitors
- Collected data on amounts kept on hand or stockpiled at any given time at the Medical Center.
- Fed amounts into tool; added conservation techniques and calculated sustainability time.

The Results/Progress to Date

- Resource: Food- based on 400 patients, 500 staff and visitors, totaling 900.

Categories	24 Hours	48 Hours	72 Hours	96 Hours
Misc Juices (220)	220 gal	182	144	106
Misc Soda (125)	125 gal	78	46	0
Breakfast Hot (3300)	3300 ea	2400	1500	600
Breakfast Cold (5500)	5500 ea	4600	3700	2800
Lunch Hot (3300)	3300 ea	2400	1500	600
Lunch Cold (5500)	5500 ea	4600	3700	2800
Dinner Hot (3300)	3300 ea	2400	1500	600
Dinner Cold (5500)	5500 ea	4600	3700	2800

Lessons Learned

To develop a complex plan to address this need took significant time to bring all stakeholders to the table and engage the participants in the process improvement.

Next Steps/What Should Happen Next:

Our next steps include:

- Develop color coded critical building mapping for command centers
- Exercising the tools and plan via a senior leadership tabletop, leading to a functional exercise involving critical infrastructure interruption where the Medical Center must maintain services for a period of time with out local support.

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