

Procedures Manuel

Neighborhood Emergency Storage Barrel Project

The purpose of this project is to provide basic resilience materials for use after a major earthquake. The focus is on water filtration set up, sanitation set up, hygiene set up, disaster medical supplies, cribbing and manual tools for shelter and relief.

Phase One- Year One Water, Sanitation, and Hygiene

Step One: Help neighbors know emergency preparedness steps including the Map Your Neighborhood 9 steps, Beaverton City's "Take 5 To Survive" home preparation booklet, creating a go bag and a home supply of food and water for 2 weeks. Also asking each MYN unit to share a resource and contact list and a map of water and gas shutoff valves on every home within the group.

Step Two: At the same time a volunteer should present these ideas and materials and give an overview to their Home Association Board or if no board, form a committee. The Committee can be formed from any volunteers but we suggest it include current MYN Captains, area Citizen Emergency Response Team members and local amateur radio operators.

Step Three: The Committee needs to:

- 1.) Determine the type of storage for the first phase of Emergency Supply Storage.
- 2.) Determine the location of the storage unit(s),
- 3.) Determine which supplies to include, the security type and the maintenance schedule.

Our review went from shipping containers, rented storage facility, prefab sheds, to 55 gallon barrels. Our pilot project selected several used, food quality, 55 gallon plastic barrels with lids and security straps from a wine distillery. There would be one barrel for every 15-20 homes already divided on the Map Your Neighborhood schematics.

They would fit easily under a deck or in a garden corner, were weather and critter proof, were able to be secured, and could be distributed throughout the neighborhood for ease of access and survivability.

Step Four: The storage project was to be done in three phases. First Tier was for water filter kit, sanitation kit and hand washing kit. These essentials are to save lives and combat disease when water and sewer are disrupted.

The Committee investigated the possibility of using homeowner dues for payment of the supplies. They used "Next Door" web site to survey the interest of residents in using homeowner dues to fund the project. Estimates were \$20 for Phase One per family. Our results were about 50/50, so instead of using dues, we decided to ask for donations in a letter when we sent out Annual Dues notice. See the attached * A.

The interest of the neighbors raised \$3,600 to fund our 13 barrels. Approximately 50 of our 230 homes contributed, many with more than the requested amount.

Step Five: Purchase of Supplies. Attachment*B is a list of supplies, costs, and vendors. Also a copy of the labels we used for buckets, barrel ID and carbon pellets. Many of these were laminated for weather protection. We found that shopping around saved us enough that we could add the purchase of privacy tents for the sanitation kits.

Step Six: We had determined to have two water filter kits per barrel so each family would have one gallon of clean water per day. The expectation is that each family would already have food and water in their home to survive for the first two weeks. The barrels were to aid in resilience when those ran out. One sanitation set up and one Tippy Tap hand washing kit were also inside. Beside the items to supplement these such as paper towels, gloves, soap, wood pellets, we had one WAG bag or GO Anywhere Toilet kit per family. These would give immediate service at the beginning of a disaster.

Step Seven: The Committee continued its work and after gathering the supplies had a meeting to determine security and maintenance. Also, there was a “packing party” to see how the items would fit and stack. Since most of the barrels were to be located in a private back yard, security could be a zip tie with a date attached. If it were cut, the “host” would know things might be compromised. If not, it could be assumed secure and not need to be opened until an emergency occurred. Others felt a small padlock with keys was more secure. So hosts were able to select their own comfort zone on this issue. See the supply photo, Attachment *C.

Step Eight: The barrels were delivered to each host, complete with a folder for the host's home and with detailed instructions laminated and included in each barrel. The host folder includes a copy of the barrel instructions, a list of the supplies in it, and a sample letter to notify the 15-20 neighbors of the barrel location and security features. Attachments *D.

Step Nine: The hosts notified the neighbors of the location of the barrel for their MYN Section and the way to open it should a disaster ever occur. These were mailed or hand delivered depending on the host's preference.

Please note that none of the barrels contain anything that will freeze or be damaged in hot weather. They are critter proof and, we hope, should survive a major earthquake.

Next year: Phase 2 Medical Aids...