

North Fork Springs
Sustainable
Community
Manual
12.16.2014

Ahde Lahti:

I haven't gone any further with the power or water resources because I had some doubts that we should even look into money items until we think about the reality of how the system works.

I have a sprinkler system on my roof that turns on if the fuse is melted (battery back-up), but I think we can think of smart things to do which help everyone with little effort. Such as knowing where any resource is located.

Among the good questions that came up were; how long will the situation last?

If emergency: call 911

If no power: go to old land line phones (not radio phones) or the ham radio with battery power

If no water: call plumber, if not possible use gravity feed until power comes back.

If no water for length of time bring in water truck, if not possible, use creek (providing have submersible pump on back up power)

Etc,

If fire, evacuate.

If cut off by fire, then we have a new narrative. How can we manage the community during such an emergency? I think we would have to find a way to move out of the path of the fire, at this point we have no possibility to fight it.

Let's say for this narrative, we have to stay, but are cut off from the road ac- 2

cess! What then? How long would we be isolated? I don't know how to calculate a scenario of such proportions. One day.... to many weeks?

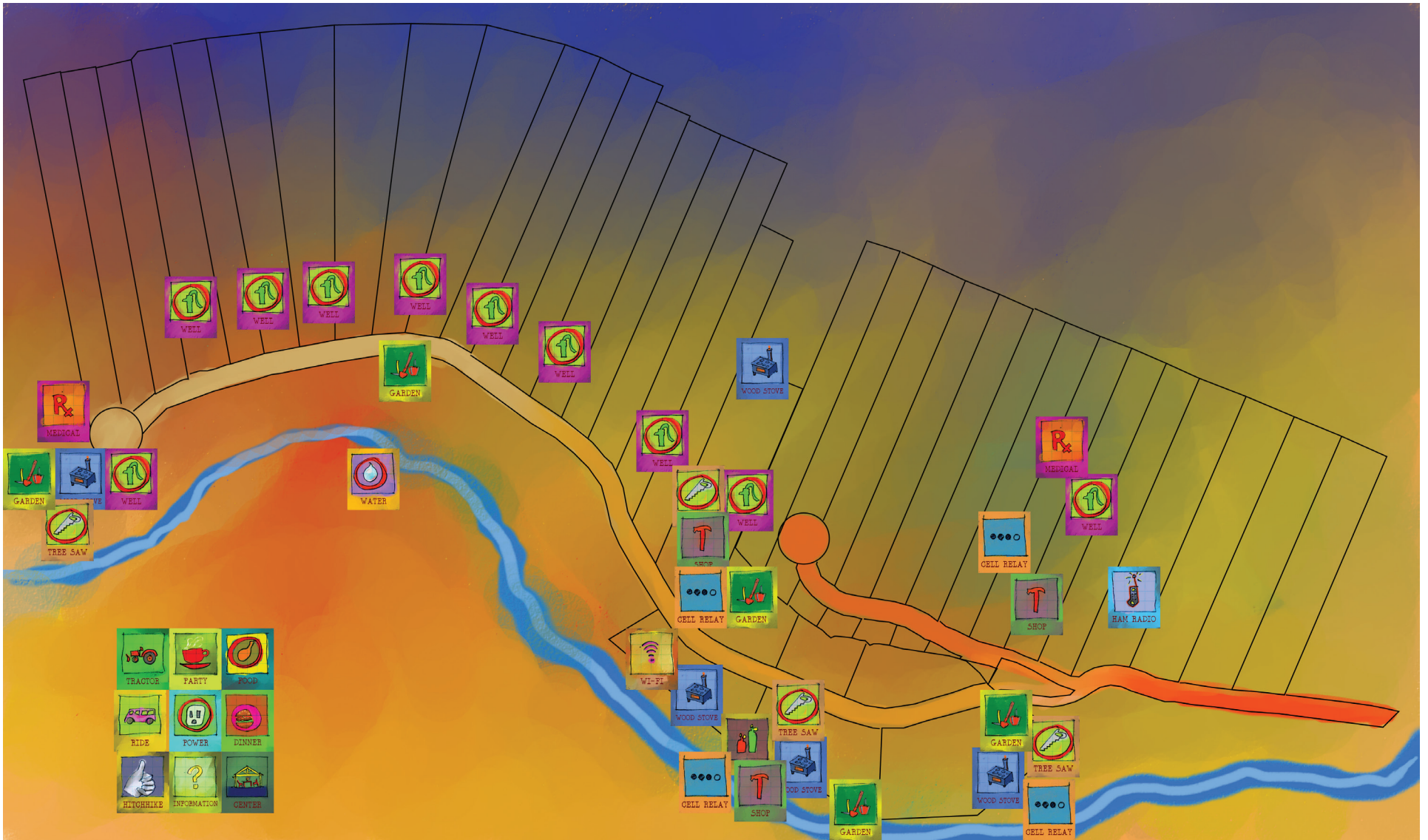
Let's look at one day and extrapolate out to find where we stand. One day per person:

Need three to four flushes (5 gal if dual flush eco-friendly), 10 cups of coffee (not normal), 2.5 gal, one gal drinking, 10 gal shower, no lawns today. 17 gal is not too bad, we have 2,500 gal tank (check with the NFS water district, Dennis retired)! 11 house holds, allows 6.7 days of normal usage for the 11 house holds using NFS tank. What about a drought, not fire related, how do we manage that? Water is the key to survival and normal existence! With no water we are are 6 days for normal life. Yikes!

I guess I could calculate the amount of each product we use each day, but I think that there may be more of a psychological need, that need addressing. I'm not good at that, as Chopra showed, aging can be reversed by retro music. Gladwell traced a protective social structure among the Rosetans (of Roseto, Pennsylvania) for prolonging life. Since we are a community, we just have to create a protective, nurturing society. We're already halfway there! Let's do more.

I just made a map for NFS from the assessor's map (simplified) except that Chris and Angie's got cut off or they own until the edge of infinity. Can modify all, this was just a start. I was trying to figure out how to put our resources on a chart so they would be accessible in a hurry.

I made quick Icons for things that might happen, but they need to be cleaned 3



up if the idea is worth pursuing.

I thought the map should have people's names, at least first names and maybe contact info. But it might be too much personal stuff.

I made a quick sketch to show the icon, plot map, the flow chart diagram and the interactive site.

The Plot map with the cell phone relays and other resources, the few that I knew of so far (may not be a good idea). This might also contain the address numbers or whatever we decide is handy in an emergency. My thought is that the flow diagram could eventually refer to the map where the resource is located. Once we have a few more resources on the map the information will be good if not too confusing.

These are the starting sketches: more ideas are needed and corrections always welcome!

One last thought!

Maybe we should have a web site to share and create involvement?

I had a template (dummy site) available so I just changed a few pictures to make it say North Forks Springs.

If the Internet was working for our community, anyone could look for solutions to their problems on our site, just a concept that needs work!

http://www.lahtidesign.com/Site_02/Site_08/index.htm

Propane gen sets:

\$2698.00, home stand by power, stationary

<http://www.electricgeneratorsdirect.com/power/liquid-propane-home-stand-by-generators.html>

\$599.00, portable home stand by

<http://www.homedepot.com/p/Sportsman-7-000-Watt-Portable-Propane-Generator-with-Electric-Start-GEN7000LP/202222975>

\$329.00 portable

http://www.amazon.com/s?rh=n%3A348967011%2Cp_n_power_source_browse-bin%3A4619671011

Dennis and Ahde:

We just talked about the Sustaining problem, and realized that WATER & POWER are the big problem, if those are automatic, then there is no mass problem. So if each pump had a auxiliary propane generator that also powered the residence, then most households would be fine. If the residences of our water district had propane generators for the residence, then we would all be covered for power.

The food would make sense if it was handled by each residence, meaning that we stock up a little more food that we always have, but rotate the stock so there is never any old food.

Each pantry would be self monitored, with only the food that is always con-

sumed, so storage facility needed.

That makes the plot map obsolete, because we don't have to know what the other facilities are.

The generator that I pointed to above is a 8kW, 50A 10-circuit automatic switch. Generac 6237.