

Proposal for: Cutting Firewood

Prepared By: Planning

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The Problem:

We will probably have to cut firewood silently so the neighborhood is not aware of our presence.

Assumptions:

Firewood will have to be cut into small kindling to be used in the rocket stove and heater.

Larger pieces can be used in traditional wood burning fireplaces.

We hope to fabricate a muffler for the log-splitter.

The logs have to be cut to length, split, then some splintered into kindling.

Chainsaws and an un-muffled log splitter might be used during thunderstorms.

Plan:

Use the chainsaw and log splitter as much as possible prior to an emergency.

Use the log-splitter only with a muffler.

Construct a Tired Chopping Block, which is a tire nailed on top of a log stump. Shortened logs can be placed in the tire until the tire is filled. An ax can then be used to split all the wood without the wood flying around. This allows the chopping to be done in a barn safely and silently, during a rainstorm.

Construct a Welded Wedge, which is a metal wedge welded to a plate. A split log can be placed on the wedge and struck with a heavy mallet hammer splintering it into kindling. This can be safely done in a barn during a rainstorm.

Cost: \$0 All materials are inventoried.

Pros:

Can produce firewood cheaply and silently.

Manual systems expend energy of bored and inactive members.

Sustainable without gasoline.

Cons:

Inventory on Hand:

- (Two) Gasoline powered chainsaws
- (One) Gasoline powered log splitter
- (One) Manual Hydraulic Log Splitter
- (One) $\frac{3}{4}$ Ax
- (Several) Bow-saws
- (One) Material for Tired Chopping Block.
- (One) Material for Welded Wedge.

Responsible Party: Physical Focus Group.