

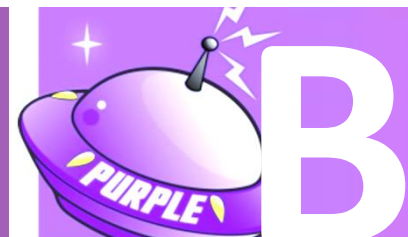
SKETCH MODEL PRESENTATION

Firevention! & SafeCut

10/3/2013

Firevention!

Helping save what really matters.



The Problem

Past 10 years:

- Average >70,000 fires annually
- >200 wildland firefighter deaths since 2003
- In 2012 \$1.1 billion in damage



Firevention!

- Portable
- Mixes soap and water to make foam
- Remotely deployable
- Operable by a single firefighter



Market

1. Federal, state, and local agencies
2. 5384 registered fire districts in high risk states
3. Roughly 27,000 units directly to local agencies
4. No competing products



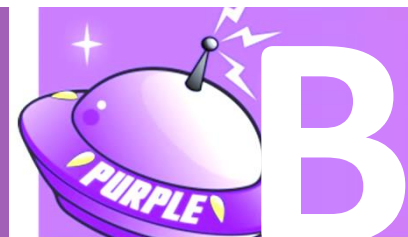
Benchmarking

	Current Method	Firevention
Firefighters Needed	At least 3	1
Danger in deployment	Last minute → less time to evacuate	Faster → firefighters
Water source	Fire engine	Existing



Sketch Model

- Two questions
- Uses house plumbing
- Non-pressurized soap injector
- Custom, low-pressure nozzle



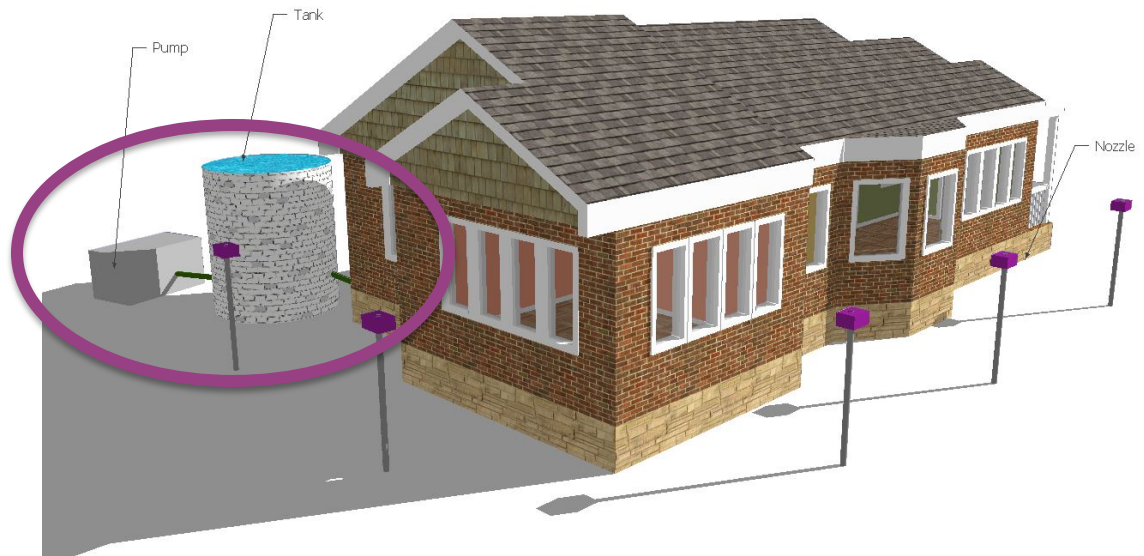
Sketch Model Results

- Insufficient water flow from structure
- Fine tuning with nozzle aeration
- Soap injection system



Moving Forward

- Create pressurized soap injector
- Finalize nozzle design → better aeration system
- Test time required to spray area of house



Questions?



Acknowledgements

- Andrew Stenbeck-- *Washington Dept. of Natural Resources, NE Region Arcadia District Manager*
- Wildland Fire Operations
- Lafayette Square Fire House

