

Florida Energy Responsive Web Design Proposal

HW#01 – Due Thursday, April 12, 2018 8:00AM (PDT)

This proposal should include:

- objectives/purpose of the redesign
- state of the current site
 - accessibility audit
 - mobile friendliness
 - performance (how quickly does it load?)
 - functionality (does it work?)
 - ease of use (is it pleasant to use?)
- user research (who are expected users? What do they want to accomplish?)
- device support necessary
- recommendations
 - deliverables- each with description & acceptance terms

Grading Rubric:

Created an Asana project for redesign, and detailed ticket for this task/assignment	2
Proposal includes evaluation of current site's responsiveness, performance, and accessibility	3
Proposal includes recommendations based on user research and modern best practices	3

OBJECTIVE of the redesign

The objective of the redesign is to make the Florida Energy Systems Consortium website mobile friendly (responsive).

STATE of the current site

URL: <http://floridaenergy.ufl.edu>

Accessibility: (Scale of 1 to 5) – 5 Being the best rating per category.

Focusing only on Robustness, the score is 1.

- Perceivable: 5
- Operable: 4
- Understandable: 5
- Robust: 1
- Total: $5 + 4 + 5 + 1 = 15$ out of 20.

Perceivable - Information and user interface components must be presentable to users in ways they can perceive. – Score: 5. The appearance of various links and information on the website was clear.

Operable - User interface components and navigation must be operable. Score: 4. UI works fine. The 8 frozen top line links were good. The left hand links in terms of an overall scheme appeared inconsistent between the 8 major sub-pages. The homepage took a few seconds initially to load. Excluding the homepage initial load, the rest of the site loaded fairly quickly when visited. When visiting the site on a mobile device, I am constantly having to resize the screen in order to be able to read the text in various sections through out the site.

Understandable - Information and the operation of user interface must be understandable. Score 5. The website is understandable.

Robust - Content must be robust enough that it can be interpreted reliably by a wide variety of user agents, including assistive technologies. Score: 1. Total fail. This site not responsive at all.

Since the proposal is focused on the robustness of the site, this site only gets a 1.

- accessibility audit: 15/20 (75%) - C
- mobile friendliness: 1/5 (20%) - F
- performance (how quickly does it load?): B
- functionality (does it work?): C
- ease of use (is it pleasant to use?): D

User Research:

The expected users are “Energy Experts”

These energy experts are expecting to be able to collaborate through this site to help create energy solutions for Florida.

Device Support Necessary

Currently the site supports devices that have large screens like desktops, laptops and tablets. It does not support smaller mobile devices like cell phones.

Recommendations

Redesign the FESC website to use a Responsive Framework (for example Bootstrap)

Each of the 8 major sections of the site: Home, FESC Research, Education, Outreach, User Facilities, Energy Industry, Advisory Board and Contact Us – should be redesigned with a responsive framework (like Bootstrap).

In addition the Contact Us webpage, should be a web form that allows users to fill out a web form that can generate an email to be sent.