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/assigment | 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 |
|  |  |

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**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.