
Florida Energy Systems Consortium Website - Redesign Proposal

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OVERVIEW

As various web design techniques are introduced or improved, websites are constantly in a cycle of redesigning in order to have a website that is efficient, accessible to everyone and up-to-date with modern practices. The purpose of this project is to resign the FESC [website](#) to make it modern, accessible and easy to use for all users.

STATE OF CURRENT SITE

STATE	RESULT
Accessibility Audit	<ol style="list-style-type: none">1. When doing a color blindness test using the Sim Daltonism test software, the extra blue navigation bar failed for tritanomaly type color blindness.2. When doing a screen reader test using Mac's Voice Over system, the system could not read what was on the screen. <p>Final Results: Color Blind test - FAIL Screen Reader test - FAIL</p>
Mobile Friendliness	<ol style="list-style-type: none">1. When testing for mobile friendliness, Google's search test found that the FESC's website is NOT mobile friendly. There are 4 main issues to fix:<ol style="list-style-type: none">a. Clickable elements are too close togetherb. Viewport is not setc. Text is too small to readd. Content is wider than screen <p>Final Results: Mobile Friendliness - FAIL</p>
Performance	<ol style="list-style-type: none">1. When testing the website through W3C Markup Validator site, it found 34 errors, and 25 warnings. From this test, it shows how this site has not been updated for a while.2. When testing the website through the W3C Link Checker site, it found that various links and pdfs that were broken. <p>Final Results:</p>

	Performance - FAIL
Functionality	<p>Functionality issues:</p> <ol style="list-style-type: none"> 1. Broken links 2. Is NOT accessible to all - screen reader failed test 3. Two different navigation bars on home page <p>Final Results: 3/10 - (1 being difficult and 10 being easy) I found that the website was not functional due to its broken links and lack of accessibility to all potential users.</p>
Ease of Use	<p>Ease of use issues:</p> <ol style="list-style-type: none"> 1. Includes some parts that followed modern practices such as including alt tags and have a navigation section and search bar 2. Section are difficult to read <ol style="list-style-type: none"> a. Top blue navigation bar with bright red text 3. Too much information for users to digest which will turn them off from going through website <p>Final Results: 3.5/10 - (1 being difficult and 10 being easy) I found the website a bit confusing and overwhelming with the use of colors and two different navigation bars.</p>

DEVICE SUPPORT NECESSARY

This website needs to be responsive because with the improvement of smartphones and tablets, mobile usage has increased significantly. According to an article on [Medium](#), 80% of global internet users own a smartphone and 53% of internet usage is through a mobile device. By creating a website that is web and mobile friendly, FESC would be opening another outlet for users to access the information they would want to share.

RECOMMENDATIONS FOR IMPROVEMENT

1. Take out two navigation bars and just have one
 - a. This will minimize confusion for users on the pathway of information
2. Have color palette fit purpose of website while making it more attractive to users
 - a. Needs to pass sim dalton test
 - b. Create a fun and engaging environment
 - c. Match what the overall purpose of the website is
3. Cut down unnecessary information

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- a. This will allow readers to not get bored or confused when they first enter the site which in turn will interest them to learn more about what FESC has to offer
 - 4. Utilize more photos instead of text
 - a. This will create a visual narrative
 - 5. Fix all broken links - pdfs and page links
 - a. According to [A Bright Clear Web](#), bad links will:
 - i. Harm our credibility as an authority
 - ii. Hurt our SEO and page rankings
 - iii. Be frustrating for users
 - b. By fixing broken links, it will help build up FESC's reputation, improve SEO, and create an environment that will not frustrate users.

PAGES TO IMPROVE

Home - index.html

Research - research.html

Contact Us / FAQ - contact-us.html