

CATHRYN
PLENN

***Agreement for
design services***

Energy Justice Network Mapping Tool

Overview

Energy Justice Network requires a design and development update to their interactive, browser-based, map-oriented data visualization tool of power plants.

The update is aimed to address the issues faced with the current tool:

- Speed bottlenecks
- User-friendly visual encoding of data using evidence-based visualization guidelines
- Mobile-friendliness

Scope of work

The as part of its core functionality, the tool should be:

- **Scalable:** Interactions with the map should remain near real-time with 15,000 power plants displayed.
- **Modular:** The map shall be delivered as a stand-alone JavaScript (.js) file and may be embedded into html elements using minimal javascript.
- **Mobile-friendly:** The map should be designed responsively; i.e., usable on both desktop and mobile screen sizes.

The tool shall include the following visualization features

- Energy facilities that may be faceted by type and operation
- Race (by U.S. county)
- Income (by U.S. county)

Process

1: Design

A visual documentation of the visualization tool, including notes on interaction and mobile designs.

- **Revisions included:** 2
- **Deliverables:** Low to mid-fidelity wireframes (PDF) detailing the implementation of all features
- **Estimated duration:** 1 week
- **Cost:** \$250 (3 visualization features included, +\$25 for each additional simple feature, +\$50 for advanced, +\$50 for each major revision after free revisions)

2: Development

Polished and commented production-ready javascript code, including example implementation.

- **Minor revisions included:** 2
- **Deliverables:** 1 javascript (.js) file + html example implementation
- **Estimated duration:** 3 weeks
- **Cost:** \$1000 (3 visualization features included, +\$250 for each additional simple feature +\$500 for advanced features, +\$100 for each major revision after free revisions)

Recap

- **Total estimated duration:** 4 weeks
- **Total estimated cost:** \$1250

Billing plan

1: Design

- Before work starts: 50% of cost + tax \$_____
- Before final deliverables furnished to the client: 50% of total cost + any additional features & additional revisions not already included in total cost + tax \$_____

2: Development

- Before work starts: 50% of cost + tax \$_____
- Before final deliverables furnished to the client: 50% of total cost + any additional features & additional revisions not already included in total cost + tax \$_____

Authorization

Design

Start date _____ Payment due: _____

End date _____ Payment due: _____

Development

Start date _____ Payment due: _____

End date _____ Payment due: _____

Designer

Cathryn Ploehn

15955 Frederick Rd

Rockville, MD 20855

Signed: _____

Date: _____

Client

Energy Justice Network

1434 Elbridge St

Philadelphia, PA 19149

Signed: _____

By: _____

Date: _____