

**Client Name**

Omaha Public Power District

**Industry**

Public Utility

**Services Provided**

Design  
Development  
Custom Integrations  
ADA Auditing & Remediation  
Custom Mapping  
Managed Hosting  
KPI Reporting

**Technologies Utilized**

.NET  
PHP  
HTML5  
CSS3  
JavaScript  
Umbraco  
WordPress

**Partnership with Wave**

2010 - Present

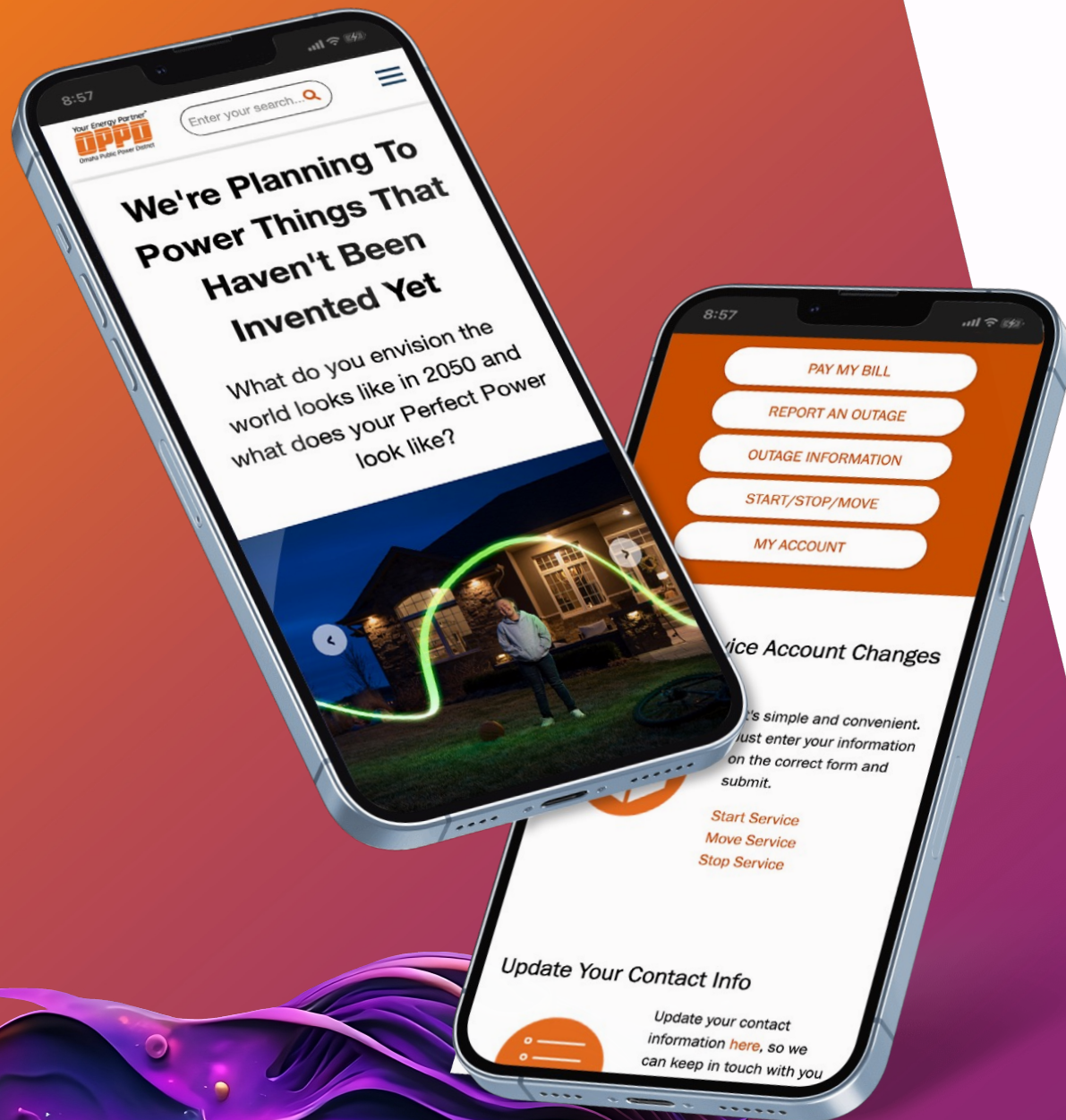
**Website**

oppd.com  
stormandoutage.com  
oppdthewire.com



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## Case Study

# Omaha Public Power District

Omaha Public Power District is a public electric utility for the city of Omaha as well as 13 surrounding counties in southeast Nebraska.

Wave and OPPD have worked together for more than 10 years on a variety of web projects, including creating custom functionality, accessibility auditing, and infrastructure management.



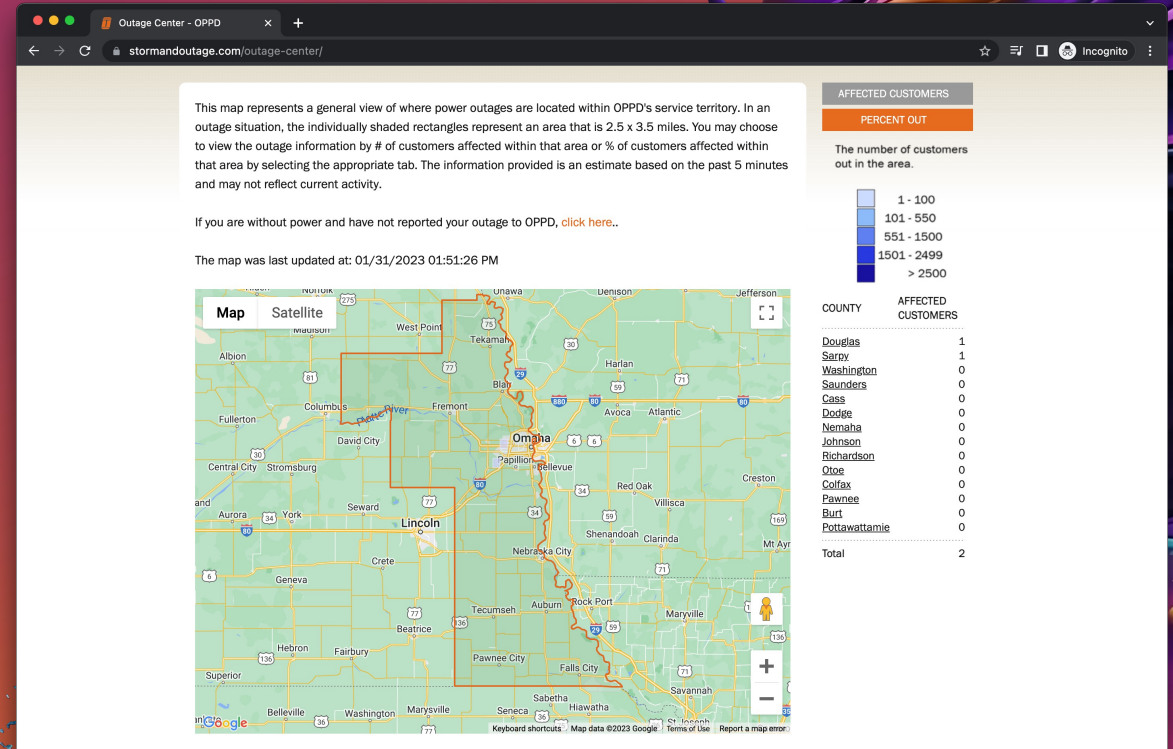
# 01.

**A custom map to dynamically show outages within OPPD's service area, which remains stable during times of high traffic volume.**

Wave refactored and improved the performance of OPPD's existing custom outage map which shows in real time the number of outages across the OPPD service area using data from OPPD's completely custom API that they provided.

Additionally, Wave took over hosting of the Storm and Outage site to allow for increased performance and scalability for surges in users during major weather or outage events. This helps OPPD serve the community by providing uninterrupted access to information about vital services.

*During severe weather, OPPD's Storm and Outage website has **successfully supported more than 4,000 unique users per minute** for an extended period of time.*



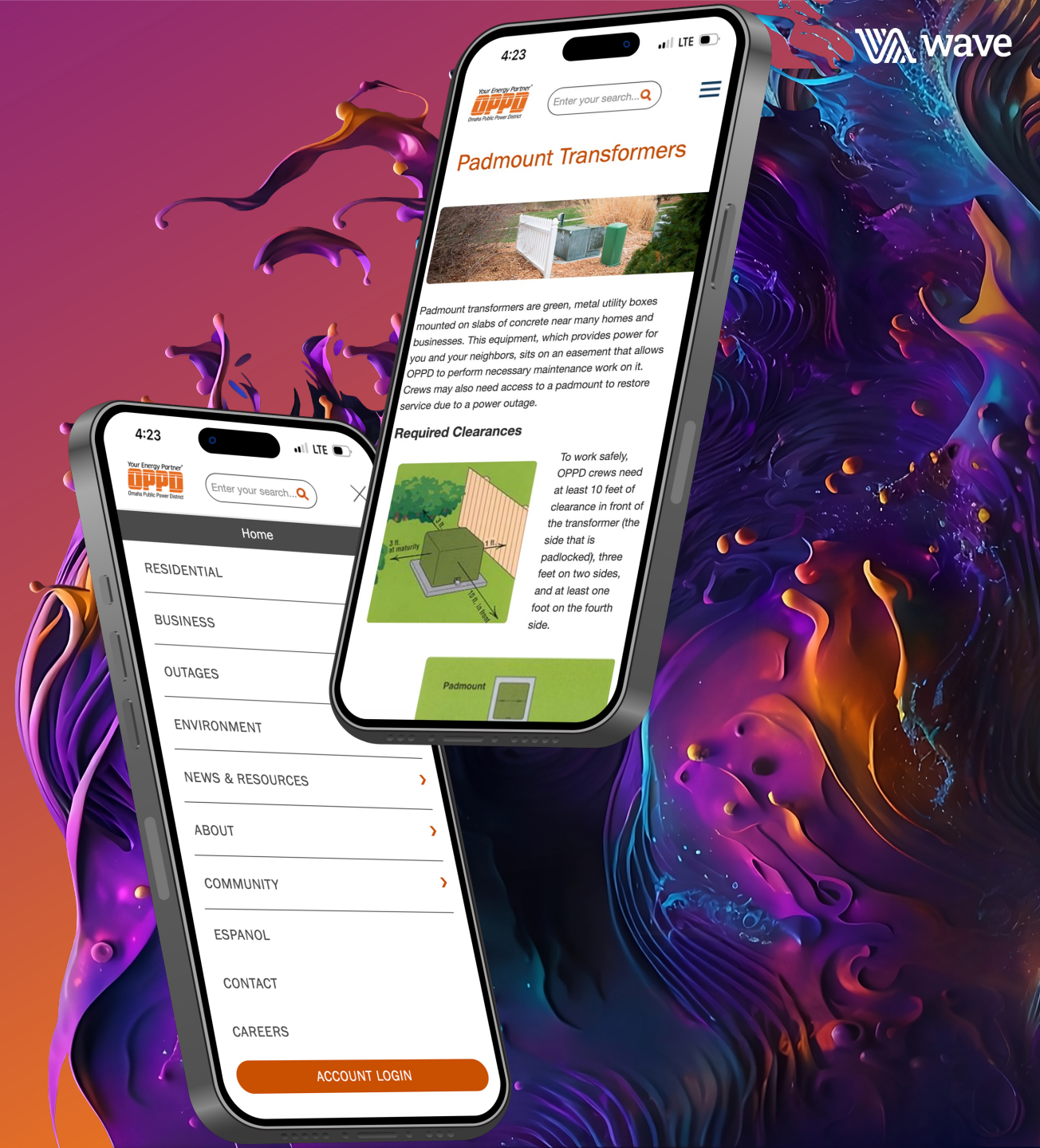


# 02.

## Improve accessibility, mobile-responsiveness, and general usability on OPPD's main website within the existing legacy CMS.

Wave and OPPD have worked together on numerous projects for many years to support their marketing efforts. Recently, Wave refreshed OPPD's website to modernize it and make it mobile-friendly and to fix existing ADA issues.

As a result of recent work on the website, OPPD now has a more modern, accessible user experience and a more usable CMS that will allow OPPD to continue to utilize their current site in the coming years.





# wave.dev

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