🛰 https://www3.epa.gov/carbon-footprint-calculator/   ⋮

38	98	83	90	PWA
Performance	Accessibility	Best Practices	SEO	PWA

There were issues affecting this run of Lighthouse:

- **Chrome extensions negatively affected this page's load performance. Try auditing the page in incognito mode or from a Chrome profile without extensions.**

- **There may be stored data affecting loading performance in this location: IndexedDB. Audit this page in an incognito window to prevent those resources from affecting your scores.**

38

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49   50–89   90–100

METRICS   Expand view

▲ First Contentful Paint	Time to Interactive
1.8 s	**4.3 s**

▲ Speed Index	▲ Total Blocking Time
3.2 s	**1,260 ms**

▲ Largest Contentful Paint	Cumulative Layout Shift
2.6 s	**0.065**

View Original Trace   View Treemap

Show audits relevant to: All   FCP   TBT   LCP   CLS

OPPORTUNITIES

Opportunity	Estimated Savings
▲ Reduce initial server response time	1.06 s ⌄
Enable text compression	0.41 s ⌄
Use HTTP/2	0.35 s ⌄
Preload Largest Contentful Paint image	0.3 s ⌄
Eliminate render-blocking resources	0.2 s ⌄
Reduce unused JavaScript	0.16 s ⌄
Preconnect to required origins	0.15 s ⌄

These suggestions can help your page load faster. They don't directly affect the Performance score.

DIAGNOSTICS

▲ Registers an `unload` listener	⌄
▲ Serve static assets with an efficient cache policy — 13 resources found	⌄
▲ Avoid an excessive DOM size — 2,040 elements	⌄
▲ Minimize main-thread work — 4.3 s	⌄
Reduce JavaScript execution time — 2.0 s	⌄
◯ Avoid chaining critical requests — 12 chains found	⌄
◯ User Timing marks and measures — 4 user timings	⌄
◯ Keep request counts low and transfer sizes small — 39 requests • 1,437 KiB	⌄
◯ Largest Contentful Paint element — 1 element found	⌄
◯ Avoid large layout shifts — 2 elements found	⌄
◯ Avoid long main-thread tasks — 20 long tasks found	⌄
◯ Avoid non-composited animations — 3 animated elements found	⌄

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (21)   Show

98

Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

CONTRAST

▲ Background and foreground colors do not have a sufficient contrast ratio.   ⌄

These are opportunities to improve the legibility of your content.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)   Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (22)   Show

NOT APPLICABLE (21)   Show

83

Best Practices

TRUST AND SAFETY

▲ Includes front-end JavaScript libraries with known security vulnerabilities — 12 vulnerabilities detected   ⌄

○ Ensure CSP is effective against XSS attacks   ⌄

GENERAL

▲ Browser errors were logged to the console   ⌄

○ Detected JavaScript libraries   ⌄

PASSED AUDITS (11)   Show

NOT APPLICABLE (1)   Show

90

SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more](#).

CONTENT BEST PRACTICES

▲ Document does not have a meta description   ⌄

Format your HTML in a way that enables crawlers to better understand your app's content.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)   Show

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (9)   Show

NOT APPLICABLE (4)   Show

PWA

PWA

These checks validate the aspects of a Progressive Web App. Learn more.

INSTALLABLE

⚠   Web app manifest or service worker do not meet the installability requirements   — 1 reason   ⌄

PWA OPTIMIZED

⚠   Does not register a service worker that controls page and `start_url`   ⌄

⚠   Is not configured for a custom splash screen Failures: No manifest was fetched.   ⌄

⚠   Does not set a theme color for the address bar.
     Failures: No manifest was fetched, No `<meta name="theme-color">` tag found.   ⌄

◯   Content is sized correctly for the viewport   ⌄

     Has a `<meta name="viewport">` tag with `width` or `initial-scale`   ⌄

⚠   Does not provide a valid `apple-touch-icon`   ⌄

⚠   Manifest doesn't have a maskable icon No manifest was fetched   ⌄

ADDITIONAL ITEMS TO MANUALLY CHECK (3)   Show

These checks are required by the baseline PWA Checklist but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

Captured at Nov 22, 2022, 11:16 PM GMT+1
Initial page load

Emulated Desktop with Lighthouse 9.6.6
Custom throttling

Single page load

Using Chromium 107.0.0.0 with devtools

Generated by **Lighthouse** 9.6.6 | File an issue