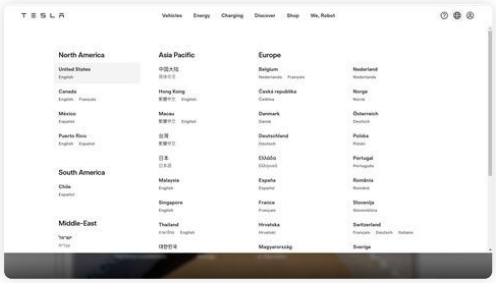


# Performance Report for:

https://www.tesla.com/utilities

Report generated: Thu, Dec 12, 2024 10:59 AM -0800
Test Server Location: Vancouver, Canada
Using: Chrome 117.0.0.0, Lighthouse 11.0.0

| Structure | Performance | Structure | L. Contentful Paint | T. Blocking Time | C. Layout Shift |
|---|---|---|---|---|---|
| C | 72% | 67% | 442ms | 781ms | 0.02 |

## Top Issues

| | | |
|---|---|---|
| High | **Avoid enormous network payloads** LCP | Total size was 5.06MB |
| Med-High | **Avoid an excessive DOM size** TBT | 5,263 elements |
| Med-High | **Properly size images** | Potential savings of 1.85MB |
| Med | **Use explicit width and height on image elements** CLS | 20 images found |
| Med | **Serve static assets with an efficient cache policy** | Potential savings of 1.72MB |

### Focus on these audits first

These audits likely have the largest impact on your page performance.

Structure audits do not directly affect your Performance Score, but improving the audits seen here can help as a starting point for overall performance gains.

## Page Details

4.3s
**Fully Loaded Time**

### Total Page Size - 5.02MB


### Total Page Requests - 83


HTML JS CSS IMG Video Font Other

## How does this affect me?

Modern web users have a short attention span and expect a fast and seamless website experience. Delivering that fast experience can result in more traffic, more conversions, and more happiness.

As if you didn't need more incentive, **Google use Page Speed and Page Experience (including Web Vitals) signals in their ranking algorithm.**

## About GTmetrix

GTmetrix was developed as a tool for customers to easily test the performance of their webpages.

Learn more about us.

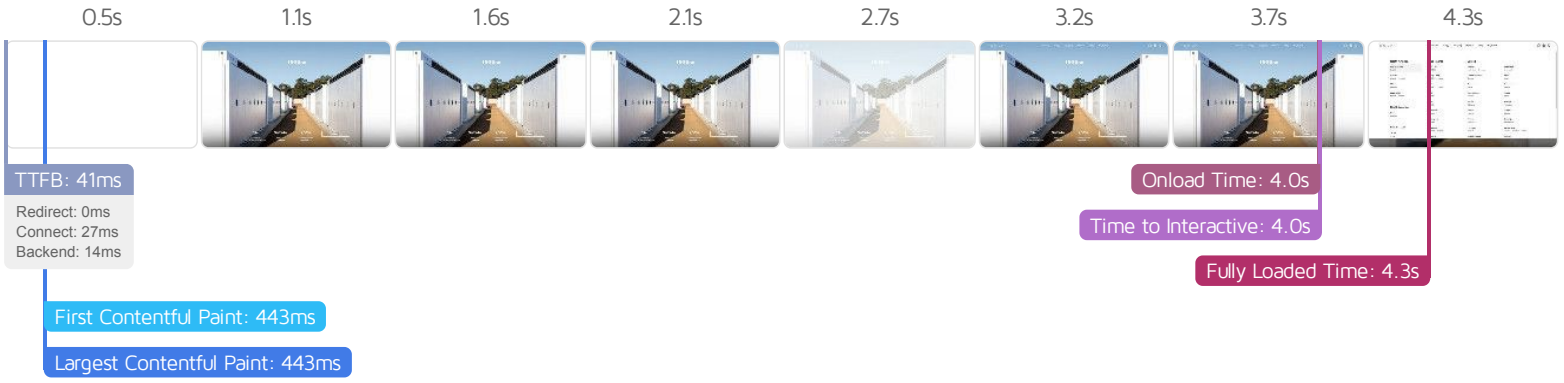
The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

**Utilities | Tesla**

| | | | | |
|---|---|---|---|---|
| utilities | 200 | tesla.com | 343KB | 181ms |
| css_JjbfTZBC6XCkzKtlHp… | 200 | tesla.com | 73.3KB | 221ms |
| css_QLi9xVJkTPpHygMU… | 200 | tesla.com | 6.50KB | 129ms |
| css_22dQ-ioW58ECQPvd… | 200 | tesla.com | 1.04KB | 129ms |
| js_ZgM0EYGlLgyR9lzjwO… | 200 | tesla.com | 1.32KB | 130ms |
| Utilities-Hero | 200 | digitalassets.tesla.com | 134KB | 353ms |
| Utilities-Scale | 200 | digitalassets.tesla.com | 225KB | 380ms |
| Utilities-NOC | 200 | digitalassets.tesla.com | 197KB | 169ms |
| Utilities_Slide1_D_Carou… | 200 | digitalassets.tesla.com | 61.4KB | 299ms |
| Utilities_Slide2_D_Carou… | 200 | digitalassets.tesla.com | 41.1KB | 352ms |
| Utilities_Slide3_D_Carou… | 200 | digitalassets.tesla.com | 28.5KB | 317ms |
| Utilities-Apps | 200 | digitalassets.tesla.com | 21.3KB | 169ms |
| Utilities-Case1 | 200 | digitalassets.tesla.com | 147KB | 342ms |
| Utilities-Case2 | 200 | digitalassets.tesla.com | 535KB | 393ms |
| Utilities-Case3 | 200 | digitalassets.tesla.com | 485KB | 397ms |
| js_g5Fzy8WZKVHYw2Wc… | 200 | tesla.com | 1.49MB | 1.6s |
| index.js?v=1.x | 200 | tesla.com | 53B | 181ms |
| js_lAYJbQ--vJ6rBcXhuU_… | 200 | tesla.com | 90.4KB | 513ms |
| Noto-Sans-KR.css | 200 | digitalassets.tesla.com | 21.3KB | 67ms |
| Universal-Sans-Text-Reg… | 200 | digitalassets.tesla.com | 37.4KB | 18ms |
| Universal-Sans-Text-Medi… | 200 | digitalassets.tesla.com | 38.0KB | 29ms |
| Universal-Sans-Display-M… | 200 | digitalassets.tesla.com | 37.1KB | 22ms |
| Universal-Sans-Display-R… | 200 | digitalassets.tesla.com | 37.6KB | 22ms |
| city | 200 | location-services-prd… | 1.19KB | 485ms |
| v1_2 | 200 | tesla.com | 4.32KB | 40ms |
| cookie-banner.js | 200 | digitalassets.tesla.com | 8.93KB | 4ms |
| 27160410180.js | 200 | cdn.optimizely.com | 95.1KB | 141ms |
| gtm.js?id=GTM-KMG5DM | 200 | googletagmanager.c… | 136KB | 65ms |
| ns.html?id=GTM-KMG5DM | 200 | googletagmanager.c… | 218B | 92ms |
| v1 | 200 | tesla.com | 455B | 31ms |
| utilities | 200 | tesla.com | 12.8KB | 282ms |
| Mega-Menu-Vehicles-Mod… | 200 | digitalassets.tesla.com | 30.2KB | 8ms |
| Mega-Menu-Vehicles-Mod… | 200 | digitalassets.tesla.com | 21.0KB | 18ms |
| Mega-Menu-Vehicles-Mod… | 200 | digitalassets.tesla.com | 24.2KB | 20ms |
| Mega-Menu-Vehicles-Mod… | 200 | digitalassets.tesla.com | 24.9KB | 22ms |
| Mega-Menu-Vehicles-Cyb… | 200 | digitalassets.tesla.com | 17.8KB | 19ms |
| Mega-Menu-Vehicles-HM… | 200 | digitalassets.tesla.com | 53.5KB | 23ms |
| Mega-Menu-Energy-Solar… | 200 | digitalassets.tesla.com | 19.0KB | 21ms |
| Mega-Menu-Energy-Solar… | 200 | digitalassets.tesla.com | 29.1KB | 22ms |
| Mega-Menu-Energy-Powe… | 200 | digitalassets.tesla.com | 4.37KB | 19ms |
| Mega-Menu-Energy-Mega… | 200 | digitalassets.tesla.com | 10.6KB | 15ms |
| Mega-Menu-Charging-Ch… | 200 | digitalassets.tesla.com | 11.4KB | 23ms |
| Mega-Menu-Charging-Ho… | 200 | digitalassets.tesla.com | 5.08KB | 22ms |
| Mega-Menu-Charging-Su… | 200 | digitalassets.tesla.com | 13.4KB | 19ms |
| Mega-Menu-Shop-Chargi… | 200 | digitalassets.tesla.com | 5.08KB | 23ms |
| Mega-Menu-Shop-Vehicle… | 200 | digitalassets.tesla.com | 52.1KB | 24ms |
| Mega-Menu-Shop-Appare… | 200 | digitalassets.tesla.com | 27.5KB | 38ms |
| Mega-Menu-Shop-Lifestyl… | 200 | digitalassets.tesla.com | 12.9KB | 15ms |
| Noto-Sans-Hebrew.woff2 | 200 | digitalassets.tesla.com | 16.2KB | 128ms |
| Noto-Sans-Arabic.woff2 | 200 | digitalassets.tesla.com | 67.5KB | 140ms |
| Noto-Sans-Thai.woff2 | 200 | digitalassets.tesla.com | 25.7KB | 100ms |
| 11395012419?url=https%… | 302 | googleadservices.com | 42B | 70ms |
| PbykFmXiEBPT4ITbgNA5… | 200 | fonts.gstatic.com | 14.2KB | 133ms |

| | | | | |
|---|---|---|---|---|
| PbykFmXiEBPT4lTbgNA5… | 200 | fonts.gstatic.com | 13.9KB | 131ms |
| PbykFmXiEBPT4lTbgNA5… | 200 | fonts.gstatic.com | 15.6KB | 129ms |
| 11395012419?url=https%… | 302 | googleads.g.doublec… | 42B | 70ms |
| Noto-Sans-Greek.woff2 | 200 | digitalassets.tesla.com | 23.0KB | 90ms |
| 11395012419?url=https%… | 302 | googleads.g.doublec… | 42B | 74ms |
| 11395012419?url=https%… | 302 | google.com | 42B | 74ms |
| 11395012419?url=https%… | 302 | google.com | 42B | 47ms |
| 11395012419?url=https%… | 302 | google.ca | 42B | 47ms |
| 11395012419?url=https%… | 200 | google.ca | 42B | 50ms |
| POST collect?en=page_vi… | 200 | google.com | 0 | 42ms |
| js?id=G-KFP8T9JWYJ&l=… | 200 | googletagmanager.c… | 129KB | 42ms |
| destination?id=AW-11140… | 200 | googletagmanager.c… | 98KB | 31ms |
| uwt.js | 200 | static.ads-twitter.com | 15.6KB | 47ms |
| geo4.js | 200 | cdn3.optimizely.com | 322B | 117ms |
| a27160410180.html | 200 | a27160410180.cdn.… | 769B | 98ms |
| sw_iframe.html?origin=ht… | 200 | googletagmanager.c… | 1.44KB | 23ms |
| manifest.json | 200 | tesla.com | 291B | 41ms |
| adsct?bci=4&dv=America… | 200 | t.co | 43B | 67ms |
| adsct?bci=4&dv=America… | 200 | analytics.twitter.com | 43B | 57ms |
| adsct?bci=4&dv=America… | 200 | t.co | 43B | 65ms |
| adsct?bci=4&dv=America… | 200 | analytics.twitter.com | 43B | 67ms |
| adsct?bci=4&dv=America… | 200 | t.co | 43B | 65ms |
| adsct?bci=4&dv=America… | 200 | analytics.twitter.com | 43B | 55ms |
| 11140901108?random=17… | 200 | googleadservices.com | 2.53KB | 51ms |
| 11140901108?random=24… | 302 | googleads.g.doublec… | 42B | 52ms |
| 11140901108?random=24… | 302 | google.com | 42B | 24ms |
| 11140901108?random=24… | 200 | google.ca | 42B | 57ms |
| apple-touch-icon-144x144… | 200 | tesla.com | 6.52KB | 15ms |
| favicon.ico | 200 | tesla.com | 902B | 29ms |
| POST events | 204 | logx.optimizely.com | 385B | 39ms |

**83 Requests** **5.02MB (11.9MB Uncompressed)** **Fully Loaded 4.3s (Onload 4s)**




## Performance Metrics

### First Contentful Paint

Good - Nothing to do here

How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.

442ms

### Time to Interactive

Longer than recommended

How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.

4.0s

### Speed Index

OK, but consider improvement

How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.

1.4s

### Total Blocking Time

Much longer than recommended

How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.

781ms

### Largest Contentful Paint

Good - Nothing to do here

How long it takes for the largest element of content (i.e., a hero image) to be painted on your page. A good user experience is 1.2s or less.

442ms

### Cumulative Layout Shift

Good - Nothing to do here

How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.

0.02

## Browser Timings

| | | | | | |
|---|---|---|---|---|---|
| Redirect | 0ms | Connect | 27ms | Backend | 14ms |
| TTFB | 41ms | First Paint | 443ms | DOM Int. | 2.2s |
| DOM Loaded | 2.3s | Onload | 4.0s | Fully Loaded | 4.3s |

| IMPACT | AUDIT | |
|---|---|---|
| High | **Avoid enormous network payloads** LCP | Total size was 5.06MB |
| Med-High | **Avoid an excessive DOM size** TBT | 5,263 elements |
| Med-High | **Properly size images** | Potential savings of 1.85MB |
| Med | **Use explicit width and height on image elements** CLS | 20 images found |
| Med | **Serve static assets with an efficient cache policy** | Potential savings of 1.72MB |
| Med-Low | **Use a Content Delivery Network (CDN)** | 32 resources found |
| Med-Low | **Defer offscreen images** | Potential savings of 1.64MB |
| Med-Low | **Avoid long main-thread tasks** TBT | 15 long tasks found |
| Med-Low | **Avoid chaining critical requests** FCP LCP | 18 chains found |
| Low | **Use passive listeners to improve scrolling performance** | 1 event listener not passive |
| Low | **Allow back/forward cache restoration** | 1 failure reason |
| Low | **Eliminate render-blocking resources** FCP LCP | Potential savings of 96ms |
| Low | **Reduce unused JavaScript** LCP | Potential savings of 484KB |
| Low | **Reduce JavaScript execution time** TBT | 1.0s spent executing JavaScript |
| Low | **Minify CSS** FCP LCP | Potential savings of 2.49KB |
| Low | **Enable text compression** FCP LCP | Potential savings of 9.15KB |
| Low | **Serve images in next-gen formats** | Potential savings of 9.37KB |
| Low | **Reduce unused CSS** FCP LCP | Potential savings of 81.3KB |
| Low | **Ensure text remains visible during webfont load** FCP LCP | 4 fonts found |
| Low | **Avoid non-composited animations** CLS | 14 animated elements found |
| N/A | **Avoid large layout shifts** CLS | 5 elements found |
| N/A | **Reduce the impact of third-party code** TBT | Third-party code blocked the main thread for 38ms |
| N/A | **Reduce initial server response time** FCP LCP | Root document took 12ms |

| | | |
|---|---|---|
| N/A | **Largest Contentful Paint element** LCP | 440 ms |
| N/A | **Minimize main-thread work** TBT | Main-thread busy for 2.7s |
| N/A | **Avoid serving legacy JavaScript to modern browsers** TBT | Potential savings of 96B |
| N/A | **User Timing marks and measures** | 2 user timings |