Performance Report for:

http://enzyquest.com/

Report generated:	Sun, Mar 10, 2024 6:48 PM -0700
Test Server Location:	🇬🇧 London, UK
Using:	Chrome 117.0.0.0, Lighthouse 11.0.0

E	Performance	Structure		L. Contentful Paint	T. Blocking Time	C. Layout Shift
	43%	**78%**		**20.5s**	**403ms**	**0.07**

Top Issues

High	**Reduce initial server response time** FCP LCP	Root document took 702ms
Med-High	**Avoid enormous network payloads** LCP	Total size was 4.13MB
Med	**Serve static assets with an efficient cache policy**	Potential savings of 3.92MB
Med-Low	**Avoid chaining critical requests** FCP LCP	16 chains found
Med-Low	**Avoid document.write()**	1 instance found

Page Details

20.5s
Fully Loaded Time

Total Page Size - 4.12MB

IMG 3.03MB	JS 426KB	Font 412KB	CSS 250KB

Total Page Requests - 89

JS 34.8%	IMG 30.3%	Font 16.9%	CSS 13.5%	
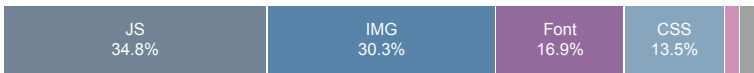
🟪 HTML 🟦 JS 🟦 CSS 🟦 IMG ⬛ Video 🟪 Font ⬜ Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**
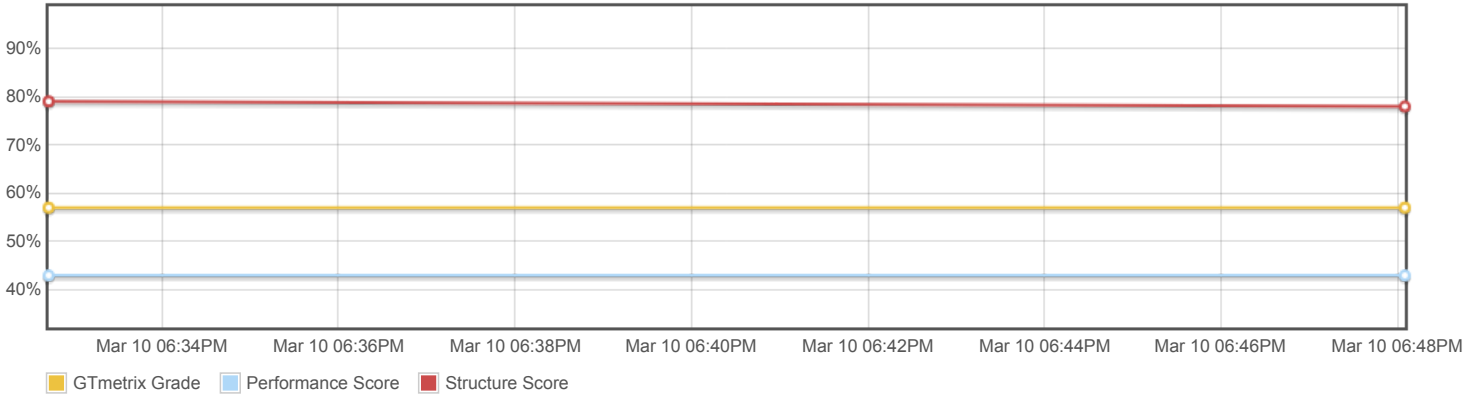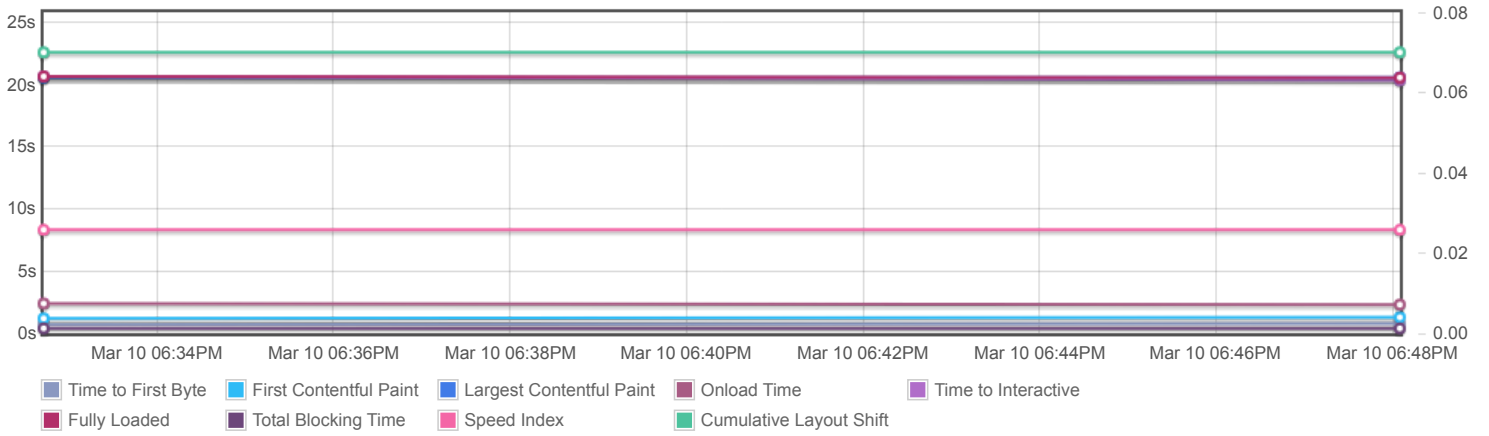
About GTmetrix

CARBON 60
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

https://carbon60.com/
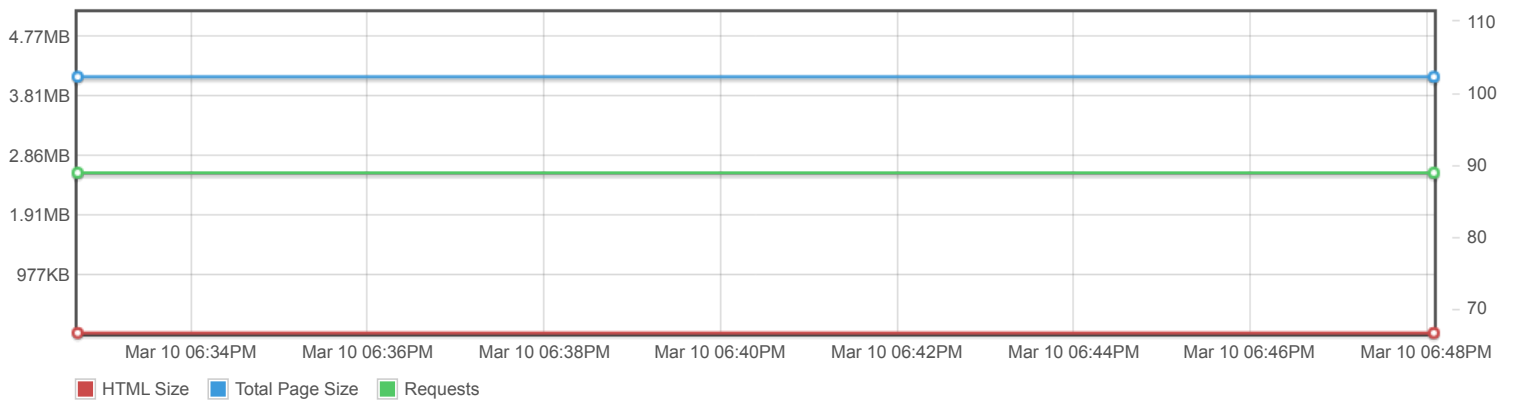
Page scores

- GTmetrix Grade
- Performance Score
- Structure Score

Page metrics

- Time to First Byte
- First Contentful Paint
- Largest Contentful Paint
- Onload Time
- Time to Interactive
- Fully Loaded
- Total Blocking Time
- Speed Index
- Cumulative Layout Shift

Page sizes and request counts

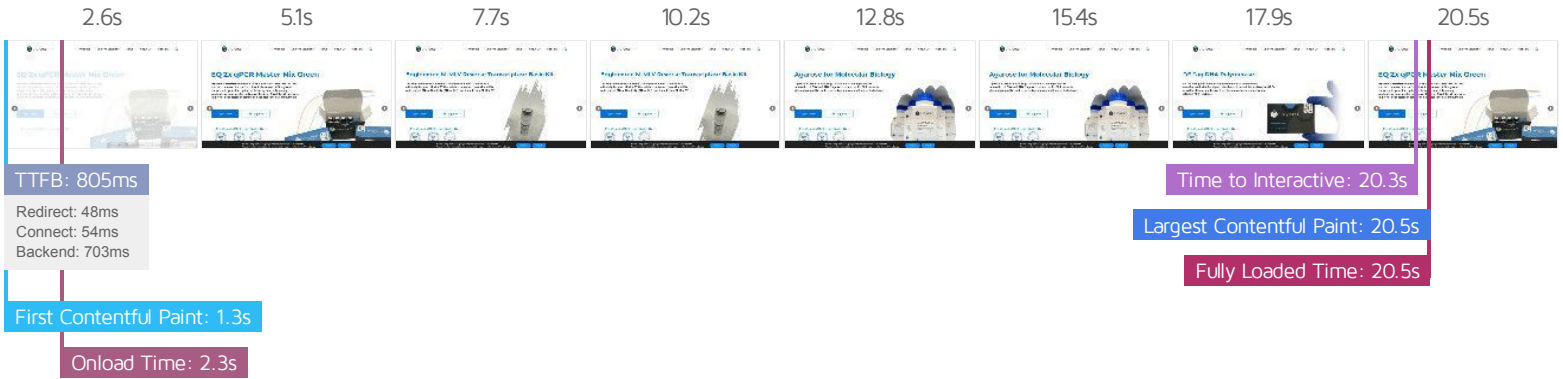- HTML Size
- Total Page Size
- Requests

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.

EnzyQuest - Biotech Company - Quality Reagents - Quality Reagents

/	301	enzyquest.com	162B	47ms	
/	200	enzyquest.com	27.9KB	758ms	
split-front.css?ver=6.4.3	200	enzyquest.com	249B	43ms	
front.css?ver=1.30.1	200	enzyquest.com	9.17KB	57ms	
woocommerce-product-at...	200	enzyquest.com	2.10KB	44ms	
frontend.min.css?ver=17...	200	enzyquest.com	4.29KB	44ms	
frontend.min.css?ver=2.3...	200	enzyquest.com	125B	45ms	
gdpr-main.css?ver=4.13.1	200	enzyquest.com	7.95KB	55ms	
431a05829df27ac75a3f05...	200	enzyquest.com	188KB	98ms	
split-front.js?ver=6.4.3	200	enzyquest.com	890B	231ms	
jquery.min.js?ver=3.7.1	200	enzyquest.com	29.1KB	99ms	
jquery-migrate.min.js?ver...	200	enzyquest.com	4.72KB	233ms	
jquery.blockUI.min.js?ver...	200	enzyquest.com	3.35KB	233ms	
js.cookie.min.js?ver=2.1....	200	enzyquest.com	1.03KB	231ms	
woocommerce.min.js?ver=...	200	enzyquest.com	842B	231ms	
woocommerce-product-at...	200	enzyquest.com	566B	232ms	
underscore.min.js?ver=1....	200	enzyquest.com	7.14KB	235ms	
wp-util.min.js?ver=6.4.3	200	enzyquest.com	847B	236ms	
add-to-cart-variation.min.j...	200	enzyquest.com	3.54KB	244ms	
awb-icons.woff	200	enzyquest.com	20.4KB	95ms	
fa-brands-400.woff2	200	enzyquest.com	74.9KB	96ms	
fa-regular-400.woff2	200	enzyquest.com	13.0KB	96ms	
fa-solid-900.woff2	200	enzyquest.com	76.4KB	125ms	
icomoon.ttf?ft1uia	200	enzyquest.com	1.88KB	123ms	
logo_main_150x44.png	200	enzyquest.com	7.40KB	244ms	
dummy.png	200	enzyquest.com	68B	244ms	
Asset-6@3x.png	200	enzyquest.com	10.1KB	122ms	
icon2.png	200	enzyquest.com	9.30KB	247ms	
Asset-2@3x.png	200	enzyquest.com	12.8KB	248ms	
Asset-1@3x.png	200	enzyquest.com	13.8KB	249ms	
logo_whole_300x40-e158...	200	enzyquest.com	3.10KB	250ms	
css?family=Roboto:400%...	200	fonts.googleapis.com	1.20KB	234ms	
revicons.woff?5510888	200	enzyquest.com	7.36KB	122ms	
style.min.css?ver=6.4.3	200	enzyquest.com	13.1KB	195ms	
rs6.css?ver=6.6.20	200	enzyquest.com	11.8KB	222ms	
index.js?ver=5.8.7	200	enzyquest.com	3.16KB	250ms	
index.js?ver=5.8.7	200	enzyquest.com	3.99KB	251ms	
rbtools.min.js?ver=6.6.20	200	enzyquest.com	58.1KB	259ms	
rs6.min.js?ver=6.6.20	200	enzyquest.com	97.5KB	294ms	
sourcebuster.min.js?ver=...	200	enzyquest.com	4.40KB	261ms	
order-attribution.min.js?v...	200	enzyquest.com	840B	262ms	
caxton-utils.min.js?ver=1....	200	enzyquest.com	2.09KB	263ms	
api-request.min.js?ver=6....	200	enzyquest.com	689B	268ms	
wp-polyfill-inert.min.js?ve...	200	enzyquest.com	2.41KB	269ms	
regenerator-runtime.min.j...	200	enzyquest.com	2.49KB	269ms	
wp-polyfill.min.js?ver=3.1...	200	enzyquest.com	33.6KB	291ms	
hooks.min.js?ver=c6aec9...	200	enzyquest.com	1.61KB	272ms	
i18n.min.js?ver=7701b0c...	200	enzyquest.com	3.63KB	273ms	
url.min.js?ver=b49799790...	200	enzyquest.com	3.59KB	274ms	
api-fetch.min.js?ver=0fa4...	200	enzyquest.com	2.27KB	276ms	
frontend.min.js?ver=1705...	200	enzyquest.com	3.96KB	277ms	
new-tab.js?ver=3.3.6	200	enzyquest.com	8.48KB	278ms	
main.js?ver=4.13.1	200	enzyquest.com	13.4KB	279ms	

8473707af9c3bdf1ab7885…	200	enzyquest.com	122KB	298ms	
logo_main_300x88.png	200	enzyquest.com	11.1KB	292ms	
qkB9XvYC6trAT55ZBi1ue…	200	fonts.gstatic.com	23.8KB	115ms	
workbox-window.prod.js	200	enzyquest.com	1.35KB	25ms	
KFOlCnqEu92Fr1MmEU9f…	200	fonts.gstatic.com	15.5KB	93ms	
KFOmCnqEu92Fr1Mu4mx…	200	fonts.gstatic.com	15.4KB	97ms	
JTUSjIg1_i6t8kCHKm459…	200	fonts.gstatic.com	32.3KB	97ms	
img12.png	200	enzyquest.com	290KB	27ms	
pxiByp8kv8JHgFVrLEj6Z1…	200	fonts.gstatic.com	7.81KB	84ms	
loader.gif	200	enzyquest.com	2.49KB	25ms	
css?family=Roboto%7CM…	200	fonts.googleapis.com	798B	26ms	
font-awesome.css	200	enzyquest.com	11.5KB	36ms	
wp-emoji-release.min.js?…	200	enzyquest.com	4.66KB	33ms	
transparent.png	200	enzyquest.com	122B	36ms	
qpcr-curves2_3-1024x576…	200	enzyquest.com	32.8KB	37ms	
image00013_4.png	200	enzyquest.com	88.3KB	40ms	
EKAPTY_ISO_13485_EN.…	200	enzyquest.com	105KB	40ms	
e-bannersEUERDF730X90…	200	enzyquest.com	16.6KB	39ms	
JTUHjIg1_i6t8kCHKm453…	200	fonts.gstatic.com	14.6KB	32ms	
fa-solid-900.woff2	200	use.fontawesome.com	72.1KB	233ms	
EKAPTY_ISO_9001_EN.png	200	enzyquest.com	103KB	47ms	
EKAPTY_DY8_EN.png	200	enzyquest.com	90.9KB	46ms	
e-bannersEUERDF180X90…	200	enzyquest.com	5.48KB	36ms	
1-Picture1-ww.png	200	enzyquest.com	1.05MB	59ms	
MMLV-RT.png	200	enzyquest.com	539KB	89ms	
web-app-manifest	200	enzyquest.com	639B	684ms	
favicon-32x32-1.png	200	enzyquest.com	1.13KB	29ms	
nunito-v8-latin-700.woff2	200	enzyquest.com	18.5KB	30ms	
nunito-v8-latin-regular.wo…	200	enzyquest.com	18.4KB	30ms	
agarose.png	200	enzyquest.com	79.1KB	72ms	
EKAPTY_ISO_13485_EN.…	200	enzyquest.com	0	12ms	
e-bannersEUERDF730X90…	200	enzyquest.com	0	9ms	
EKAPTY_ISO_9001_EN.png	200	enzyquest.com	0	12ms	
EKAPTY_DY8_EN.png	200	enzyquest.com	0	11ms	
e-bannersEUERDF180X90…	200	enzyquest.com	0	11ms	
DF_Taq_fading2.png	200	enzyquest.com	612KB	148ms	

89 Requests   4.12MB (7.37MB Uncompressed)   Fully Loaded 20.5s (Onload 2.3s)

2.6s   **5.1s**   **7.7s**   **10.2s**   **12.8s**   **15.4s**   **17.9s**   **20.5s**

TTFB: 805ms
- Redirect: 48ms
- Connect: 54ms
- Backend: 703ms

Time to Interactive: 20.3s

Largest Contentful Paint: 20.5s

Fully Loaded Time: 20.5s

First Contentful Paint: 1.3s

Onload Time: 2.3s

Performance Metrics

First Contentful Paint

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

Longer than recommended

1.3s

Time to Interactive

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

Much longer than recommended

20.3s

Speed Index

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

Much longer than recommended

8.3s

Total Blocking Time

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

Much longer than recommended

403ms

Largest Contentful Paint

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

Much longer than recommended

20.5s

Cumulative Layout Shift

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

Good - Nothing to do here

0.07

Browser Timings

Redirect	48ms	Connect	54ms	Backend	703ms
TTFB	805ms	First Paint	1.3s	DOM Int.	1.5s
DOM Loaded	1.8s	Onload	2.3s	Fully Loaded	20.5s

IMPACT	AUDIT

Med-Low	**Avoid long main-thread tasks** TBT	17 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
• https://enzyquest.com/wp-content/plugins/contact-form-7/includes/swv/js/index.js?ver=5.8.7	1.7s	149ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	11.2s	129ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	2.1s	128ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	6.6s	83ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	20.3s	81ms
• Unattributable	1.0s	77ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	15.7s	73ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	1.6s	69ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rs6.min.js?ver=6.6.20	2.3s	65ms
• https://enzyquest.com/wp-content/uploads/fusion-styles/431a05829df27ac75a3f053bd06a087e.min.css?ver=3.11.5	917ms	63ms
• https://enzyquest.com/	1.3s	58ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rs6.min.js?ver=6.6.20	1.5s	57ms
• https://enzyquest.com/	1.1s	54ms
• https://enzyquest.com/	1.2s	53ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	2.2s	53ms
• https://enzyquest.com/	1.4s	52ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	15.8s	50ms

Low	**Reduce JavaScript execution time** TBT	1.6s spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	3.4s	783ms	4ms
• https://enzyquest.com/	2.9s	13ms	4ms
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rs6.min.js?ver=6.6.20	885ms	610ms	7ms
• Unattributable	440ms	44ms	0ms
• https://enzyquest.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	211ms	126ms	1ms
• https://enzyquest.com/wp-content/uploads/fusion-scripts/8473707af9c3bdf1ab78851acb7d4b5e.min.js?ver=3.11.5	76ms	35ms	8ms
• https://enzyquest.com/wp-content/uploads/fusion-styles/431a05829df27ac75a3f053bd06a087e.min.css?ver=3.11.5	63ms	0ms	0ms

Low	**Avoid an excessive DOM size** TBT	720 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		720
Maximum DOM Depth	rs-sbg-px > rs-sbg-wrap > rs-sbg > canvas `<canvas style="width: 100%; height: 100%; background-color: transparent; opacity: 1;" width="1366" height="900">`	22
Maximum Child Elements	We are using cookies to give you the best experience on our website. You can f… `<div class="avada-footer-scripts">`	45

Low	Avoid large layout shifts `CLS`	4 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
Agarose for Molecular Biology is suitable for the rapid routine separation of D… `<rs-slides style="overflow: hidden; position: absolute; visibility: visible;">`	0.07
We are using cookies to give you the best experience on our website. You can f… `<div class="moove-gdpr-info-bar-container">`	0.00
Products Custom Solutions News About Us Contact `<nav class="fusion-main-menu" aria-label="Main Menu">`	0.00
Reject `<button class="mgbutton moove-gdpr-infobar-reject-btn gdpr-fbo-1 " aria-label="Reject">`	0.00

Low	Eliminate render-blocking resources `FCP` `LCP`	Potential savings of 24ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
• https://enzyquest.com/wp-content/plugins/woo-variation-swatches/assets/css/frontend.min.css?ver=1705771475	4.29KB	172ms
• https://enzyquest.com/wp-content/uploads/fusion-styles/431a05829df27ac75a3f053bd06a087e.min.css?ver=3.11.5	188KB	1.0s
• https://enzyquest.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	29.1KB	172ms

Low	Ensure text remains visible during webfont load `FCP` `LCP`	4 fonts found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
• https://fonts.gstatic.com/s/karla/v31/qkB9XvYC6trAT55ZBi1ueQVIjQTD-JrIH2G7nytkHRyQ8p4wUje6bg.woff2	49ms
• https://fonts.gstatic.com/s/roboto/v30/KFOmCnqEu92Fr1Mu4mxK.woff2	26ms
• https://fonts.gstatic.com/s/poppins/v20/pxiByp8kv8JHgFVrLEj6Z1xlFQ.woff2	22ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUHjIg1_i6t8kCHKm4532VJOt5-QNFgpCtr6Hw5aXo.woff2	5ms

Low	**Avoid multiple page redirects** FCP LCP	Potential savings of 47ms

Redirects introduce additional delays before the page can be loaded.

URL	TIME SPENT
• http://enzyquest.com/	47ms
• https://enzyquest.com/	0ms

Low	**Reduce unused CSS** FCP LCP	Potential savings of 216KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://enzyquest.com/wp-content/uploads/fusion-styles/431a05829df27ac75a3f053bd06a087e.min.css?ver=3.11.5	188KB	180KB
• https://enzyquest.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	13.1KB	13.1KB
• https://enzyquest.com/wp-content/plugins/caxton/assets/font-awesome.css	11.5KB	11.5KB
• https://enzyquest.com/wp-content/plugins/revslider/public/assets/css/rs6.css?ver=6.6.20	11.8KB	10.9KB

Low	**Reduce unused JavaScript** LCP	Potential savings of 163KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://enzyquest.com/wp-content/uploads/fusion-scripts/8473707af9c3bdf1ab78851acb7d4b5e.min.js?ver=3.11.5	122KB	89.3KB
https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rs6.min.js?ver=6.6.20	97.5KB	39.6KB
https://enzyquest.com/wp-content/plugins/revslider/public/assets/js/rbtools.min.js?ver=6.6.20	58.1KB	33.8KB

N/A	**Largest Contentful Paint element** LCP	20,490 ms

This is the largest contentful element painted within the viewport.

ELEMENT

rs-slide > rs-layer-wrap.rs-parallax-wrap > rs-layer#slider-6-slide-25-layer-12 > img.tp-rs-img

```
<img decoding="async" src="//enzyquest.com/wp-content/uploads/2024/02/1-Picture1-ww.png" alt="" class="tp-rs-img
rs-lazyload" width="3995" height="3289" data-lazyload="//enzyquest.com/wp-content/uploads/2024/02/1-Picture1-
ww.png" data-no-retina="" data-src-rs-ref="//enzyquest.com/wp-content/uploads/2024/02/1-Picture1-ww.png"
style="position: relative; height: 100%; width: 100%;">
```

PHASE	% OF LCP	TIMING
TTFB	4%	805ms
Load Delay	6%	1.3s
Load Time	0%	56ms
Render Delay	90%	18.3s

N/A	**Avoid serving legacy JavaScript to modern browsers** TBT	Potential savings of 7.26KB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://enzyquest.com/wp-content/uploads/fusion-scripts/8473707af9c3bdf1ab78851acb7d4b5e.min.js?ver=3.11.5	7.12KB
Line:12 Column:81696	`Array.prototype.filter`
Line:28 Column:9272	`@babel/plugin-transform-classes`
https://enzyquest.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	50B
Line:0 Column:452	`@babel/plugin-transform-classes`
https://enzyquest.com/wp-content/plugins/woo-variation-swatches/assets/js/frontend.min.js?ver=1705771475	48B
Line:0 Column:2856	`@babel/plugin-transform-classes`
https://enzyquest.com/wp-content/plugins/gdpr-cookie-compliance/dist/scripts/main.js?ver=4.13.1	45B
Line:0 Column:2492	`@babel/plugin-transform-classes`

N/A	**Minimize main-thread work** TBT	Main-thread busy for 8.1s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Other	2.7s
Rendering	2.5s
Script Evaluation	1.7s
Style & Layout	966ms
Parse HTML & CSS	90ms
Garbage Collection	39ms
Script Parsing & Compilation	34ms

N/A	**Reduce the impact of third-party code** TBT	Total size was 185KB

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE FONTS	112KB	0ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUSjIg1_i6t8kCHKm459Wlhyw.woff2	32.4KB	0ms
• https://fonts.gstatic.com/s/karla/v31/qkB9XvYC6trAT55ZBi1ueQVIjQTD-JrIH2G7nytkHRyQ8p4wUje6bg.woff2	24.3KB	0ms
• https://fonts.gstatic.com/s/roboto/v30/KFOlCnqEu92Fr1MmEU9fBBc4.woff2	15.7KB	0ms
• https://fonts.gstatic.com/s/roboto/v30/KFOmCnqEu92Fr1Mu4mxK.woff2	15.5KB	0ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUHjIg1_i6t8kCHKm4532VJOt5-QNFgpCtr6Hw5aXo.woff2	14.6KB	0ms
• Other resources	9.9KB	0ms
FONTAWESOME CDN	72.7KB	0ms
• https://use.fontawesome.com/releases/v5.5.0/webfonts/fa-solid-900.woff2	72.7KB	0ms

N/A	**User Timing marks and measures**

No user timings and/or marks found.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
	112KB	0ms
	32.4KB	