



Performance Report for: <https://www.greyrigge.com/>

Report generated: Wed, Mar 13, 2024 12:00 AM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

B	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	95%	78%	1.4s	0ms	0

Top Issues

High	Avoid enormous network payloads <small>LCP</small>	Total size was 5.58MB
Med	Use explicit width and height on image elements <small>CLS</small>	1 image found
Med	Serve static assets with an efficient cache policy	Potential savings of 5.46MB
Med	Use a Content Delivery Network (CDN)	58 resources found
Med-Low	Avoid CSS @import <small>FCP LCP</small>	1 resource found

Page Details



Total Page Size - 5.54MB



Total Page Requests - 76



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

GTmetrix is developed by the good folks at **CARBON60**, a Canadian hosting company with over 28 years experience in web technology.



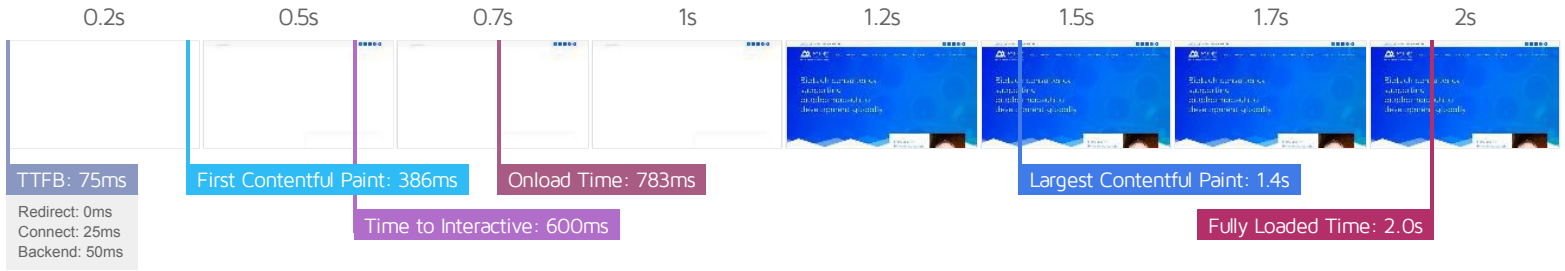
<https://carbon60.com/>

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.

GreyRigge Associates | The Biotech Consultancy

Resource	Size	Source	Load Time
/	200	greyrigge.com	45.2KB
modernizr.js	200	greyrigge.com	11.5KB
style.css?v=2	200	greyrigge.com	366B
style.min.css?ver=6.4.3	200	greyrigge.com	108KB
blocks.style.build.css?ve...	200	greyrigge.com	31.2KB
styles.css?ver=5.9.2	200	greyrigge.com	3.06KB
embedpress.css?ver=6.4.3	200	greyrigge.com	37.8KB
encyclopedia.css?ver=6.4.3	200	greyrigge.com	1.64KB
tooltips.css?ver=6.4.3	200	greyrigge.com	9.48KB
wp-mcm-styles.css?ver=...	200	greyrigge.com	1.23KB
dashicons.min.css?ver=6...	200	greyrigge.com	57.9KB
plyr.css?ver=6.4.3	200	greyrigge.com	32.0KB
jquery.min.js?ver=3.7.1	200	greyrigge.com	85.8KB
jquery-migrate.min.js?ver...	200	greyrigge.com	13.5KB
plyr.polyfilled.js?ver=1	200	greyrigge.com	117KB
white-logo-3.svg	200	greyrigge.com	28.1KB
colour-logo-svg-2.svg	200	greyrigge.com	28.6KB
3x3-sizing.png	200	greyrigge.com	3.02KB
index.js?ver=5.9.2	200	greyrigge.com	11.5KB
index.js?ver=5.9.2	200	greyrigge.com	13.0KB
pdfobject.min.js?ver=3.9.12	200	greyrigge.com	13.5KB
initplyr.js?ver=3.9.12	200	greyrigge.com	9.10KB
front.js?ver=3.9.12	200	greyrigge.com	21.5KB
vimeo-player.js?ver=3.9.12	200	greyrigge.com	37.0KB
wp-polyfill-inert.min.js?ve...	200	greyrigge.com	8.23KB
regenerator-runtime.min.j...	200	greyrigge.com	6.72KB
wp-polyfill.min.js?ver=3.1...	200	greyrigge.com	113KB
react.min.js?ver=18.2.0	200	greyrigge.com	10.6KB
hooks.min.js?ver=c6aec9...	200	greyrigge.com	4.77KB
deprecated.min.js?ver=73...	200	greyrigge.com	983B
dom.min.js?ver=49ff2869...	200	greyrigge.com	13.0KB
react-dom.min.js?ver=18...	200	greyrigge.com	127KB
escape-html.min.js?ver=0...	200	greyrigge.com	1.36KB
element.min.js?ver=ed1c...	200	greyrigge.com	12.6KB
is-shallow-equal.min.js?v...	200	greyrigge.com	1.32KB
i18n.min.js?ver=7701b0c...	200	greyrigge.com	9.47KB
keycodes.min.js?ver=346...	200	greyrigge.com	4.19KB
priority-queue.min.js?ver...	200	greyrigge.com	3.61KB
compose.min.js?ver=318...	200	greyrigge.com	36.9KB
private-apis.min.js?ver=1...	200	greyrigge.com	2.88KB
redux-routine.min.js?ver=...	200	greyrigge.com	9.04KB
data.min.js?ver=dc5f2556...	200	greyrigge.com	27.0KB
ads.js?ver=3.9.12	200	greyrigge.com	8.88KB
documents-viewer-script...	200	greyrigge.com	10.7KB
tooltipster.bundle.min.js?...	200	greyrigge.com	39.2KB
tooltips.js	200	greyrigge.com	815B
styles.css	200	greyrigge.com	76.0KB
sprite-s4e655f17da.png	200	greyrigge.com	22.7KB
home-cells.png	200	greyrigge.com	749KB
LS-4404-1.jpg	200	greyrigge.com	2.68MB
cell-image.png	200	greyrigge.com	271KB
cell-image-2.png	200	greyrigge.com	143KB
averta-bold-webfont.ttf	200	greyrigge.com	70.9KB

averta-regular-webfont.ttf	200	greyrigge.com	70.8KB		129ms			
averta-light-webfont.ttf	200	greyrigge.com	71.3KB		133ms			
averta-lightitalic-webfont.ttf	200	greyrigge.com	79.5KB		129ms			
averta-semibold-webfont.ttf	200	greyrigge.com	70.2KB		128ms			
www-widgetapi.js	200	youtube.com	66.7KB			71ms		
analytics.js	200	google-analytics.com	20.5KB			57ms		
jquery.js	200	greyrigge.com	4.00KB			19ms		
dist.js	200	greyrigge.com	4.00KB			17ms		
simple.js	200	greyrigge.com	4.00KB			17ms		
html5.js	200	greyrigge.com	2.62KB			18ms		
selectivizr.js	200	greyrigge.com	4.00KB			19ms		
respond.js	200	greyrigge.com	4.00KB			17ms		
wp-emoji-release.min.js?...	200	greyrigge.com	18.5KB			59ms		
schema	200	greyrigge.com	882B					1.4s
jquery.js	200	greyrigge.com	306B			47ms		
dist.js	200	greyrigge.com	0			3ms		
simple.js	200	greyrigge.com	0			3ms		
html5.js	200	greyrigge.com	0			2ms		
selectivizr.js	200	greyrigge.com	304B			12ms		
respond.js	200	greyrigge.com	0			3ms		
refill	200	greyrigge.com	576B				692ms	
favicon.ico	200	greyrigge.com	1.36KB			5ms		
favicon.ico	200	greyrigge.com	0			2ms		
76 Requests		5.54MB (5.83MB Uncompressed)			2s (Onload 783ms)			



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p>385ms</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p>600ms</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Good - Nothing to do here</p> <p>1.0s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>0ms</p>
<p>Largest Contentful Paint</p> <p>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.</p>	<p>OK, but consider improvement</p> <p>1.4s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	0ms	Connect	25ms	Backend	50ms
TTFB	75ms	First Paint	386ms	DOM Int.	596ms
DOM Loaded	600ms	Onload	783ms	Fully Loaded	2.0s

IMPACT AUDIT

Low

Eliminate render-blocking resources FCP LCP

Potential savings of 68ms

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://www.greyrigge.com/wp-content/themes/hinge_client_theme/style.css?v=2	366B	153ms
https://www.greyrigge.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	108KB	3.5s
https://www.greyrigge.com/wp-content/plugins/embedpress/Gutenberg/dist/blocks.style.build.css?ver=1710306253	31.2KB	1.5s
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.9.2	3.06KB	453ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/embedpress.css?ver=6.4.3	37.8KB	1.7s
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/encyclopedia.css?ver=6.4.3	1.64KB	453ms
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/tooltips.css?ver=6.4.3	9.48KB	453ms
https://www.greyrigge.com/wp-content/plugins/wp-media-category-management/css/wp-mcm-styles.css?ver=2.2.1.1	1.23KB	153ms
https://www.greyrigge.com/wp-includes/css/dashicons.min.css?ver=6.4.3	57.9KB	2.1s
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/plyr.css?ver=6.4.3	32.0KB	1.2s
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/modernizr.js	11.5KB	453ms
https://www.greyrigge.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	85.8KB	2.0s
https://www.greyrigge.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1	13.5KB	603ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/plyr.polyfilled.js?ver=1	117KB	2.0s

Low

Enable text compression FCP LCP

Potential savings of 863KB

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.greyrigge.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	108KB	93.4KB
https://www.greyrigge.com/wp-includes/js/dist/vendor/react-dom.min.js?ver=18.2.0	126KB	85.3KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/plyr.polyfilled.js?ver=1	117KB	83.1KB
https://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	112KB	77.4KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/css/styles.css	75.8KB	66.8KB
https://www.greyrigge.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	85.5KB	55.8KB
https://www.greyrigge.com/	44.9KB	34.4KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/embedpress.css?ver=6.4.3	37.6KB	30.8KB
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/js/tooltipster.bundle.min.js?ver=4.2.6	39.0KB	29.0KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/plyr.css?ver=6.4.3	31.7KB	26.7KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/vimeo-player.js?ver=3.9.12	36.7KB	25.9KB
https://www.greyrigge.com/wp-content/plugins/embedpress/Gutenberg/dist/blocks.style.build.css?ver=1710306253	31.0KB	25.6KB
https://www.greyrigge.com/wp-includes/js/dist/compose.min.js?ver=3189b344ff39fef940b7	36.7KB	24.2KB
https://www.greyrigge.com/wp-includes/css/dashicons.min.css?ver=6.4.3	57.6KB	22.7KB
https://www.greyrigge.com/wp-includes/js/dist/data.min.js?ver=dc5f255634f3da29c8d5	26.7KB	17.9KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/front.js?ver=3.9.12	21.2KB	16.3KB
https://www.greyrigge.com/wp-includes/js/wp-emoji-release.min.js?ver=6.4.3	18.3KB	13.3KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/selectivizr.js	18.6KB	12.4KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/pdfobject.min.js?ver=3.9.12	13.2KB	8.93KB
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/js/index.js?ver=5.9.2	12.7KB	8.68KB
https://www.greyrigge.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1	13.3KB	8.50KB
https://www.greyrigge.com/wp-includes/js/dist/dom.min.js?ver=49ff2869626fbaecc23	12.8KB	8.16KB
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/swf/js/index.js?ver=5.9.2	11.2KB	7.97KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/documents-viewer-script.js?ver=3.9.12	10.4KB	7.93KB
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/tooltips.css?ver=6.4.3	9.25KB	7.60KB
https://www.greyrigge.com/wp-includes/js/dist/element.min.js?ver=ed1c7604880e8b574b40	12.4KB	7.47KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/modernizr.js	11.3KB	6.46KB
https://www.greyrigge.com/wp-includes/js/dist/vendor/react.min.js?ver=18.2.0	10.4KB	6.30KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/initplyr.js?ver=3.9.12	8.85KB	6.13KB
https://www.greyrigge.com/wp-includes/js/dist/redux-routine.min.js?ver=0be1b2a6a79703e28531	8.79KB	6.03KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/ads.js?ver=3.9.12	8.63KB	6.01KB
https://www.greyrigge.com/wp-includes/js/dist/i18n.min.js?ver=7701b0c3857f914212ef	9.22KB	5.62KB
https://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	7.98KB	5.55KB
https://www.greyrigge.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.14.0	6.47KB	4.03KB
https://www.greyrigge.com/wp-includes/js/dist/hooks.min.js?ver=c6aec9a8d4e5a5d543a1	4.52KB	2.99KB
https://www.greyrigge.com/wp-includes/js/dist/keycodes.min.js?ver=3460bd0fac9859d6886c	3.94KB	2.15KB
https://www.greyrigge.com/wp-includes/js/dist/priority-queue.min.js?ver=422e19e9d48b269c5219	3.36KB	1.87KB
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.9.2	2.83KB	1.83KB
https://www.greyrigge.com/wp-includes/js/dist/private-apis.min.js?ver=11cb2ebaa70a9f1f0ab5	2.63KB	1.67KB

Low

Serve images in next-gen formats

Potential savings of 1.83MB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.greyrigge.com/biotech-pharmaceutical-consultants/2016/04/LS-4404-1.jpg	2.68MB	783KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/src/images/backgrounds/home-cells.png	749KB	726KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/cell-image.png	270KB	228KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/cell-image-2.png	143KB	121KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/src/images/sprite-s4e655f17da.png	22.5KB	12.0KB

Low

Avoid an excessive DOM size TBT

302 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		302
Maximum DOM Depth	Who are GRA? 	12
Maximum Child Elements	body.no-padding <body class="no-padding">	37

Low

Ensure text remains visible during webfont load FCP LCP

5 fonts found

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

URL	POTENTIAL SAVINGS
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-bold-webfont.ttf	11ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-regular-webfont.ttf	11ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-light-webfont.ttf	15ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-lightitalic-webfont.ttf	10ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-semibold-webfont.ttf	10ms

Low

Avoid long main-thread tasks TBT

1 long task found

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

URL	START TIME	DURATION
https://www.greyrigge.com/	258ms	87ms

Low

Reduce unused CSS FCP LCP

Potential savings of 322KB

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://www.greyrigge.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	108KB	108KB
https://www.greyrigge.com/wp-includes/css/dashicons.min.css?ver=6.4.3	57.9KB	57.9KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/css/styles.css	76.0KB	56.1KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/embedpress.css?ver=6.4.3	37.8KB	37.4KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/plyr.css?ver=6.4.3	32.0KB	32.0KB
https://www.greyrigge.com/wp-content/plugins/embedpress/Gutenberg/dist/blocks.style.build.css?ver=1710306253	31.2KB	31.1KB

Low **Defer offscreen images** Potential savings of 31.1KB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/logos/colour-logo-svg-2.svg	28.3KB	28.3KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/3x3-sizing.png	2.78KB	2.78KB

Low **Minify CSS** FCP LCP Potential savings of 10.1KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/embedpress.css?ver=6.4.3	37.8KB	8.02KB
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/tooltips.css?ver=6.4.3	9.48KB	2.06KB

Low **Minify JavaScript** FCP LCP Potential savings of 39.6KB

Minifying JavaScript files can reduce payload sizes and script parse time.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/selectivizr.js	18.6KB	8.89KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/front.js?ver=3.9.12	21.5KB	7.93KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/pdfobject.min.js?ver=3.9.12	13.5KB	7.24KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/respond.js	9.9KB	4.17KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/simple.js	7.21KB	3.32KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/initplyr.js?ver=3.9.12	9.10KB	2.69KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/ads.js?ver=3.9.12	8.88KB	2.69KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/documents-viewer-script.js?ver=3.9.12	10.7KB	2.65KB

Low **Avoid chaining critical requests** FCP LCP 46 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: **399ms**

INITIAL NAVIGATION

https://www.greyrigge.com/ 45.2KB, 81ms
https://www.greyrigge.com/wp-includes/js/dist/i18n.min.js?ver=7701b0c3857f914212ef 9.47KB, 13ms
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/js/index.js?ver=5.9.2 13.0KB, 7ms

https://www.greyrigge.com/wp-includes/js/dist/is-shallow-equal.min.js?ver=20c2b06ecf04afb14fee	1.32KB, 10ms
https://www.greyrigge.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	108KB, 31ms
https://www.greyrigge.com/wp-includes/js/dist/priority-queue.min.js?ver=422e19e9d48b269c5219	3.61KB, 10ms
https://www.greyrigge.com/wp-includes/js/dist/dom.min.js?ver=49ff2869626fbaacc23	13.0KB, 19ms
https://www.greyrigge.com/wp-includes/js/dist/redux-routine.min.js?ver=0be1b2a6a79703e28531	9.04KB, 6ms
https://www.greyrigge.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	85.8KB, 52ms
https://www.greyrigge.com/wp-includes/js/dist/keycodes.min.js?ver=3460bd0fac9859d6886c	4.19KB, 16ms
https://www.greyrigge.com/wp-includes/js/dist/element.min.js?ver=ed1c7604880e8b574b40	12.6KB, 17ms
https://www.greyrigge.com/wp-includes/js/dist/hooks.min.js?ver=c6aec9a8d4e5a5d543a1	4.77KB, 9ms
https://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	8.23KB, 14ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/vimeo-player.js?ver=3.9.12	37.0KB, 14ms
https://www.greyrigge.com/wp-includes/js/dist/vendor/react-dom.min.js?ver=18.2.0	127KB, 21ms
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/tooltips.css?ver=6.4.3	9.48KB, 30ms
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/encyclopedia.css?ver=6.4.3	1.64KB, 29ms
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/js/tooltips.js	815B, 9ms
https://www.greyrigge.com/wp-includes/js/dist/compose.min.js?ver=3189b344ff39fef940b7	36.9KB, 15ms
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/swf/index.js?ver=5.9.2	11.5KB, 7ms
https://www.greyrigge.com/wp-includes/js/dist/escape-html.min.js?ver=03e27a7b6ae14f7afaa6	1.36KB, 11ms
https://www.greyrigge.com/wp-includes/js/dist/deprecated.min.js?ver=73ad3591e7bc95f4777a	983B, 9ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/plyr.css?ver=6.4.3	32.0KB, 52ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/modernizr.js	11.5KB, 17ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/ads.js?ver=3.9.12	8.88KB, 5ms
https://www.greyrigge.com/wp-includes/js/dist/data.min.js?ver=dc5f255634f3da29c8d5	27.0KB, 7ms
https://www.greyrigge.com/wp-content/plugins/embedpress/Gutenberg/dist/blocks.style.build.css?ver=1710306253	31.2KB, 30ms
https://www.greyrigge.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1	13.5KB, 51ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/pdfobject.min.js?ver=3.9.12	13.5KB, 14ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/plyr.polyfilled.js?ver=1	117KB, 51ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/front.js?ver=3.9.12	21.5KB, 13ms
https://www.greyrigge.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.14.0	6.72KB, 19ms
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.9.2	3.06KB, 29ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/documents-viewer-script.js?ver=3.9.12	10.7KB, 10ms
https://www.greyrigge.com/wp-content/plugins/wp-media-category-management/css/wp-mcm-styles.css?ver=2.2.1.1	1.23KB, 51ms
https://www.greyrigge.com/wp-includes/js/dist/private-apis.min.js?ver=11cb2ebaa70a9f1f0ab5	2.88KB, 6ms
https://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	113KB, 26ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/initplyr.js?ver=3.9.12	9.10KB, 14ms
https://www.greyrigge.com/wp-includes/css/dashicons.min.css?ver=6.4.3	57.9KB, 52ms
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/js/toolipster.bundle.min.js?ver=4.2.6	39.2KB, 10ms
https://www.greyrigge.com/wp-includes/js/dist/vendor/react.min.js?ver=18.2.0	10.6KB, 25ms
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/embedpress.css?ver=6.4.3	37.8KB, 30ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/style.css?v=2	366B, 16ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/css/styles.css	76.0KB, 6ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-bold-webfont.ttf	70.9KB, 11ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-light-webfont.ttf	71.3KB, 15ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-lightitalic-webfont.ttf	79.5KB, 10ms
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-regular-webfont.ttf	70.8KB, 11ms

Low

Reduce unused JavaScript LCP

Potential savings of 553KB

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

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.greyrigge.com/wp-includes/js/dist/vendor/react-dom.min.js?ver=18.2.0	127KB	110KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/plyr.polyfilled.js?ver=1	117KB	107KB
https://www.greyrigge.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	85.8KB	59.0KB
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/jquery.js	89.2KB	57.1KB
https://www.youtube.com/s/player/9d15588c/www-widgetapi.vflset/www-widgetapi.js	67.1KB	52.5KB
https://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	113KB	52.2KB
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/js/tooltipster.bundle.min.js?ver=4.2.6	39.2KB	35.5KB
https://www.greyrigge.com/wp-includes/js/dist/compose.min.js?ver=3189b344ff39fef940b7	36.9KB	30.5KB
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/vimeo-player.js?ver=3.9.12	37.0KB	28.6KB
https://www.greyrigge.com/wp-includes/js/dist/data.min.js?ver=dc5f255634f3da29c8d5	27.0KB	21.3KB

Low

Use HTTP/2 for all resources

67 requests not served via HTTP/2

HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing.

URL	PROTOCOL
https://www.greyrigge.com/	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/modernizr.js	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/style.css?v=2	http/1.1
https://www.greyrigge.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/Gutenberg/dist/blocks.style.build.css?ver=1710306253	http/1.1
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/css/styles.css?ver=5.9.2	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/embedpress.css?ver=6.4.3	http/1.1
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/encyclopedia.css?ver=6.4.3	http/1.1
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/css/tooltips.css?ver=6.4.3	http/1.1
https://www.greyrigge.com/wp-content/plugins/wp-media-category-management/css/wp-mcm-styles.css?ver=2.2.1.1	http/1.1
https://www.greyrigge.com/wp-includes/css/dashicons.min.css?ver=6.4.3	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/css/plyr.css?ver=6.4.3	http/1.1
https://www.greyrigge.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	http/1.1
https://www.greyrigge.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/plyr.polyfilled.js?ver=1	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/logos/white-logo-3.svg	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/logos/colour-logo-svg-2.svg	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/3x3-sizing.png	http/1.1
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/swf/js/index.js?ver=5.9.2	http/1.1
https://www.greyrigge.com/wp-content/plugins/contact-form-7/includes/js/index.js?ver=5.9.2	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/pdfobject.min.js?ver=3.9.12	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/initplyr.js?ver=3.9.12	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/front.js?ver=3.9.12	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/vimeo-player.js?ver=3.9.12	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.14.0	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill.min.js?ver=3.15.0	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/vendor/react.min.js?ver=18.2.0	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/hooks.min.js?ver=c6aec9a8d4e5a5d543a1	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/deprecated.min.js?ver=73ad3591e7bc95f4777a	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/dom.min.js?ver=49ff2869626fbaeacc23	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/vendor/react-dom.min.js?ver=18.2.0	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/escape-html.min.js?ver=03e27a7b6ae14f7afaa6	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/element.min.js?ver=ed1c7604880e8b574b40	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/is-shallow-equal.min.js?ver=20c2b06ecf04afb14fee	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/i18n.min.js?ver=7701b0c3857f914212ef	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/keycodes.min.js?ver=3460bd0fac9859d6886c	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/priority-queue.min.js?ver=422e19e9d48b269c5219	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/compose.min.js?ver=3189b344ff39fef940b7	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/private-apis.min.js?ver=11cb2ebaa70a9f1f0ab5	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/redux-routine.min.js?ver=0be1b2a6a79703e28531	http/1.1
https://www.greyrigge.com/wp-includes/js/dist/data.min.js?ver=dc5f255634f3da29c8d5	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/ads.js?ver=3.9.12	http/1.1
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/documents-viewer-script.js?ver=3.9.12	http/1.1
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/js/tooltipster.bundle.min.js?ver=4.2.6	http/1.1
https://www.greyrigge.com/wp-content/plugins/encyclopedia-lexicon-glossary-wiki-dictionary/assets/js/tooltips.js	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/css/styles.css	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/src/images/sprite-s4e655f17da.png	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/src/images/backgrounds/home-cells.png	http/1.1
https://www.greyrigge.com/biotech-pharmaceutical-consultants/2016/04/LS-4404-1.jpg	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/cell-image.png	http/1.1
https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/images/cell-image-2.png	http/1.1

URL	PROTOCOL
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-bold-webfont.ttf	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-regular-webfont.ttf	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-light-webfont.ttf	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-lightitalic-webfont.ttf	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/fonts/Averta/averta-semibold-webfont.ttf	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/jquery.js	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/dist.js	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/simple.js	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/html5.js	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/selectivizr.js	http/1.1
• https://www.greyrigge.com/wp-content/themes/hinge_client_theme/dist/js/respond.js	http/1.1
• https://www.greyrigge.com/wp-includes/js/wp-emoji-release.min.js?ver=6.4.3	http/1.1
• https://www.greyrigge.com/wp-json/contact-form-7/v1/contact-forms/42/feedback/schema	http/1.1
• https://www.greyrigge.com/wp-json/contact-form-7/v1/contact-forms/42/refill	http/1.1
• https://www.greyrigge.com/favicon.ico	http/1.1

N/A **Largest Contentful Paint element** LCP 1,450 ms

This is the largest contentful element painted within the viewport.

ELEMENT

Biotech consultancy supporting biopharmaceutical development globally

```
<div class="left-text-with-background-image" style="background-image: url(&quot;wp-content/themes/hinge_client_theme/src/images/back...&quot;);">
```

PHASE	% OF LCP	TIMING
TTFB	5%	75ms
Load Delay	15%	217ms
Load Time	2%	27ms
Render Delay	78%	1.1s

N/A **Reduce JavaScript execution time** TBT 25ms 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://www.greyrigge.com/	223ms	22ms	2ms
• Unattributable	214ms	0ms	0ms

N/A **Reduce initial server response time** FCP LCP Root document took 50ms

Keep the server response time for the main document short because all other requests depend on it.

URL TIME SPENT

- <https://www.greyrigge.com/>

50ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT

Potential savings of 926B

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://www.greyrigge.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2 Line:0 Column:452	172B @babel/plugin-transform-classes
https://www.greyrigge.com/wp-includes/js/dist/data.min.js?ver=dc5f255634f3da29c8d5 Line:1 Column:2448	169B @babel/plugin-transform-classes
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/vimeo-player.js?ver=3.9.12 Line:1 Column:7732	168B @babel/plugin-transform-classes
https://www.greyrigge.com/wp-includes/js/dist/compose.min.js?ver=3189b344ff39fef940b7 Line:8 Column:3724	168B @babel/plugin-transform-classes
https://www.greyrigge.com/wp-content/plugins/embedpress/assets/js/plyr.polyfilled.js?ver=1 Line:0 Column:9451	167B @babel/plugin-transform-classes
https://www.greyrigge.com/wp-includes/js/dist/redux-routine.min.js?ver=0be1b2a6a79703e28531 Line:1 Column:3687	82B @babel/plugin-transform-regenerator

N/A **Avoid large layout shifts** CLS

5 elements found

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

ELEMENT	CLS CONTRIBUTION
ABOUT SERVICES BLOG CONTACT US CASE STUDIES RESOURCES SEARCH CLIENT L... <div class="nav-container">	0.00
ABOUT <li class="has-child ">	0.00
div.nav-wrap > ul.navigation > li.has-child > ::after <::after>	0.00
div.nav-wrap > ul.navigation > li.has-child > ::after <::after>	0.00
div.nav-wrap > ul.navigation > li.has-child > ::after <::after>	0.00

N/A **Minimize main-thread work** TBT

Main-thread busy for 655ms

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

CATEGORY	TIME SPENT
Other	253ms
Script Evaluation	157ms
Style & Layout	152ms
Parse HTML & CSS	45ms
Script Parsing & Compilation	35ms
Rendering	11ms

N/A

Reduce the impact of third-party code TBT

Total size was 87.9KB

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
YOUTUBE	67.1KB	0ms
• https://www.youtube.com/s/player/9d15588c/www-widgetapi.vflset/www-widgetapi.js	67.1KB	0ms
GOOGLE ANALYTICS	20.8KB	0ms
• https://www.google-analytics.com/analytics.js	20.8KB	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.