



# Performance Report for: <https://www.hydrogenenergysupplychain.com/>

Report generated: Tue, Jan 4, 2022 3:49 AM -0800  
 Test Server Location: Sydney, Australia  
 Using: Chrome (Desktop) 90.0.4430.212, Lighthouse 8.3.0



## Top Issues

IMPACT	AUDIT	
High	Avoid enormous network payloads	Total size was 16.8MB
Med-Low	Lazy load third-party resources with facades	1 facade alternative available
Low	Eliminate render-blocking resources	Potential savings of 53ms
Low	Use a Content Delivery Network (CDN)	1 resource found
Low	Serve static assets with an efficient cache policy	Potential savings of 30.4KB

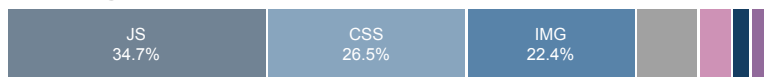
## Page Details



Total Page Size - 16.8MB



Total Page Requests - 49



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

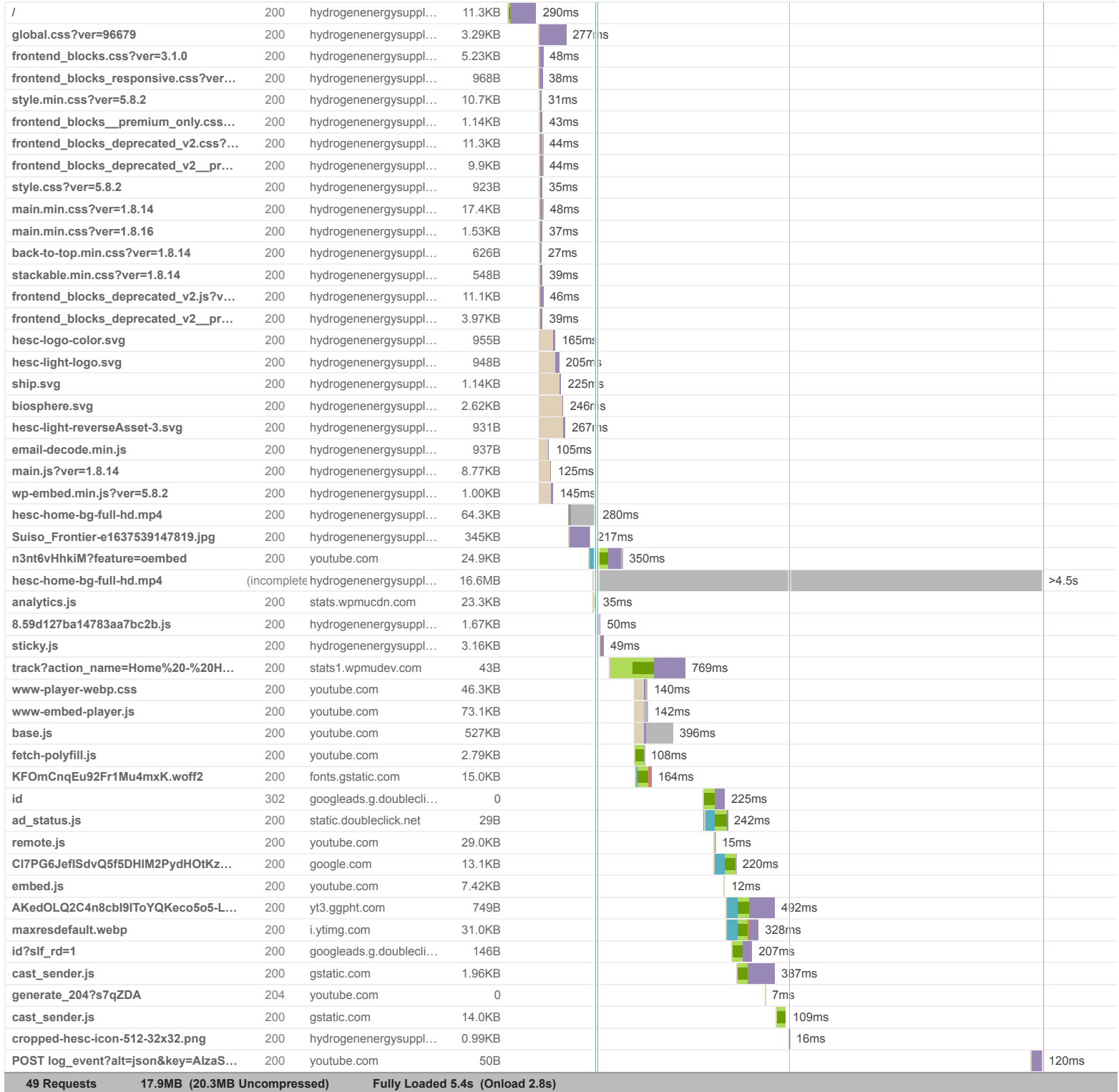
**CARBON60**  
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at Carbon60, a Canadian hosting company with over 26 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.

Home - HESC





### Performance Metrics

<p><b>First Contentful Paint</b></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><b>860ms</b></p>	<p><b>Time to Interactive</b></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><b>887ms</b></p>
<p><b>Speed Index</b></p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Much longer than recommended</p> <p><b>4.6s</b></p>	<p><b>Total Blocking Time</b></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><b>0ms</b></p>
<p><b>Largest Contentful Paint</b></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>Good - Nothing to do here</p> <p><b>860ms</b></p>	<p><b>Cumulative Layout Shift</b></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><b>0</b></p>

### Browser Timings

Redirect	0ms	Connect	18ms	Backend	271ms
TTFB	289ms	First Paint	861ms	DOM Int.	864ms
DOM Loaded	888ms	Onload	2.8s	Fully Loaded	5.4s

IMPACT	AUDIT	
High	<b>Avoid enormous network payloads</b>	Total size was 16.8MB
Med-Low	<b>Lazy load third-party resources with facades</b>	1 facade alternative available
Low	<b>Eliminate render-blocking resources</b>	Potential savings of 53ms
Low	<b>Use a Content Delivery Network (CDN)</b>	1 resource found
Low	<b>Serve static assets with an efficient cache policy</b>	Potential savings of 30.4KB
Low	<b>Serve images in next-gen formats</b>	Potential savings of 136KB
Low	<b>Avoid an excessive DOM size</b>	373 elements
Low	<b>Avoid long main-thread tasks</b>	2 long tasks found
Low	<b>Reduce JavaScript execution time</b>	152ms spent executing JavaScript
Low	<b>Reduce unused CSS</b>	Potential savings of 34.0KB
Low	<b>Reduce initial server response time</b>	Root document took 271ms
Low	<b>Avoid chaining critical requests</b>	17 chains found
N/A	<b>Largest Contentful Paint element</b>	1 element found
N/A	<b>Minimize main-thread work</b>	Main-thread busy for 1.2s
N/A	<b>Reduce the impact of third-party code</b>	Total size was 791KB
N/A	<b>User Timing marks and measures</b>	