



California ISO

Decarbonizing the Electric Grid: Tracking the GHGs in our Electrons

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Informational Hearing

Joint Committees on Climate Change Policies

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Background Slides

CAISO Increased Transparency of GHG Tracking

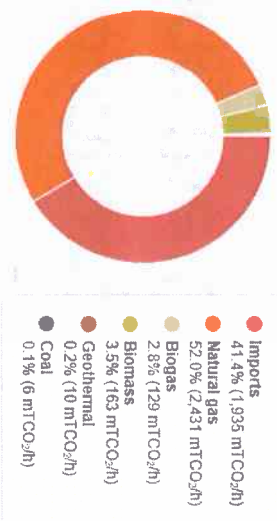
Current CO₂ emissions (serving ISO load) AS OF 03:35

	26,899 MW	4,674 mTCO₂/h		0.174 mTCO₂/MWh	
Current demand	Current CO ₂ emissions	Current CO ₂ emissions rate	Reduction in CO ₂ emissions	24%	

The California ISO supports the state's clean air policies by integrating clean, zero carbon resources such as wind and solar. This page shows the success in reducing power plant emissions. CO₂ emissions data is an approximation. View how CO₂ is calculated.

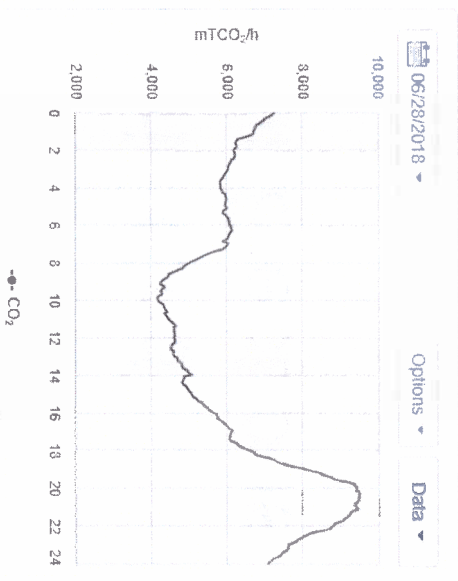
Current CO₂ per resource

CO₂ is produced when a fuel is combusted to turn generator turbines. Wind, solar, batteries, hydro and nuclear operate without emissions.



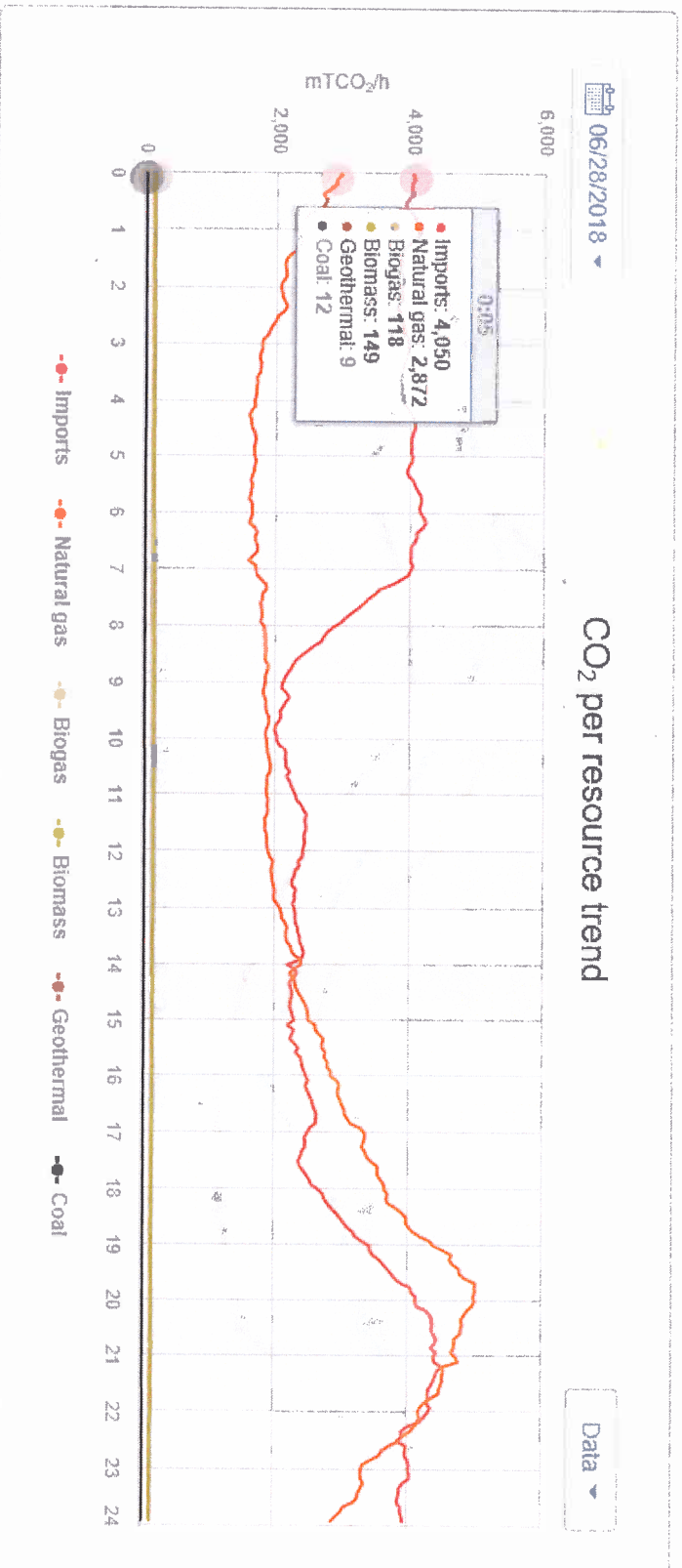
CO₂ trend

Emissions typically rise when traditional resources are needed, such as during periods of reduced production of solar and wind resources.



<http://www.caiso.com/TodaysOutlook/Pages/emissions.aspx>

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CAISO GHG monthly emission report: emissions reduced by 24% since 2014

YTD (January - May) million mTCO2	2015	2016	2017	2018
GHG Emission to serve ISO load	24.39	21.40	18.16	18.81

