

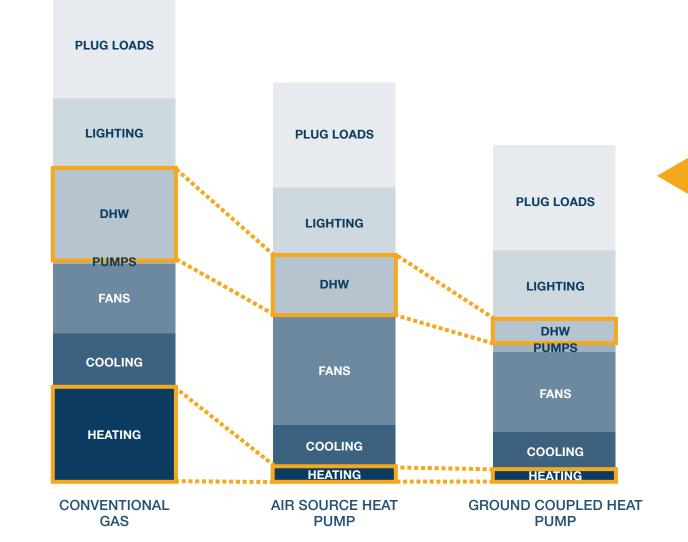
K-12 CARBON FOOTPRINT



2026 carbon emissions by building system end uses for an education facility in Northern California

> Electrification of heating and service water end uses can promote a reduction in carbon emissions. Reduction of plug loads and electric light usage are also important carbon reduction strategies for an education facility.

The California Energy Design Assistance Program can help you decarbonize your education facility.



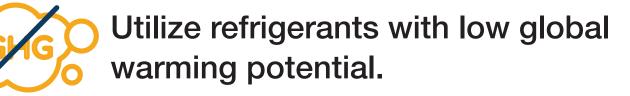
Key electrification systems for education facilities



Electrify heating systems using heat pumps or variable refrigerant flow systems. Consider ground coupling where viable.

Increase envelope performance to minimize conditioning loads.

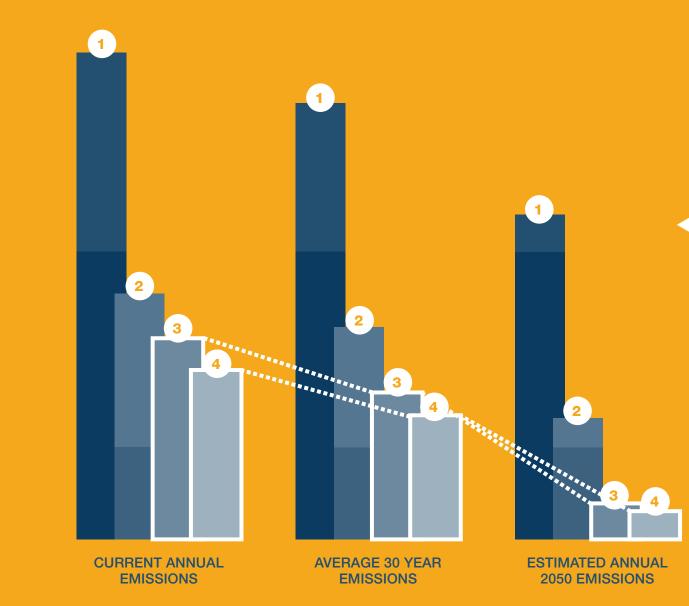




Electrify water heating systems heat pump



Carbon emissions for an education facility in Northern California



As time goes on and the grid gets cleaner it is apparent that higher carbon reduction strategies (like the air source heat pump and heat pump water heaters) provide the greatest carbon emissions over time and will become more efficient as the grid becomes cleaner.

Without adopting any carbon reduction strategies
 Convential gas systems.

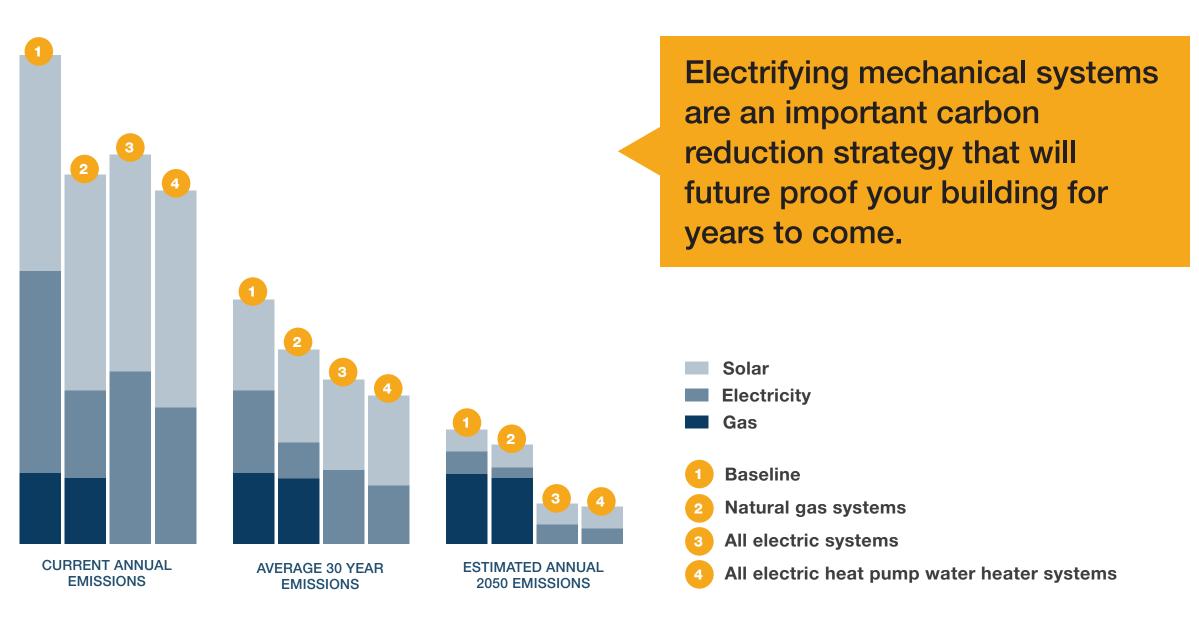
water heaters.

3 Air source heat pumps (ASHPs)
4 Ground coupled heat pumps (GCHPs)

Contact us today to enroll and build resiliency into your project.

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Carbon emissions with the addition of solar for an education facility in Northern California





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