SUPER SANKEY SCENARIOS

With powerful tools and comprehensive data we make it simple to model and imagine new energy economy scenarios and the impacts of deployment of one or more existing or emerging technologies.

EXAMPLE SCENARIO: Massive Decarbonization by electrification.

This scenario looks at how to deliver all of the existing services of the US economy. This requires no behavior change, just the shift to electric technology. This eliminates the approximately 10% of the energy economy that currently exists to find, produce, and deliver fossil fuels, and replace it with nuclear and widely distributed renewables. Thermoelectric losses go to almost zero; we see a huge decrease in energy requirements in the transportation sector; heat pumps and improved compressors help enormously in commercial and residential buildings. Surprisingly we only need about 40% of the "primary energy" we use today to deliver the same lifestyle Americans enjoy today, but with far less air polution, noise polution, and close to zero carbon dioxide emissions - improving the lifestyles of all.