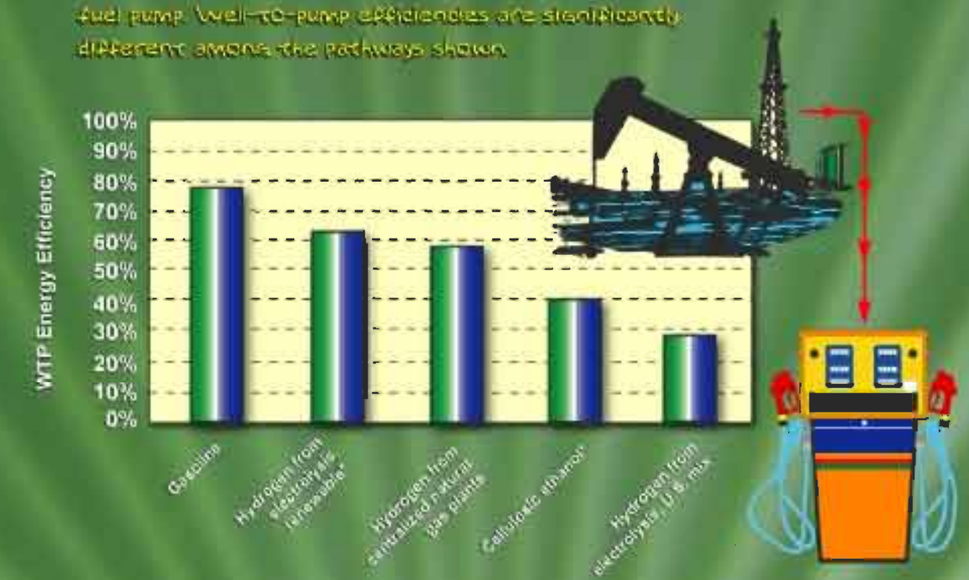
GREET in Action

Both Government and industry rely on GREET to evaluate efficiencies and emissions of vehicle and fuel pathways.

Well-to-wheels analysis examines fuels and vehicles

Calculating well-to-pump efficiencies

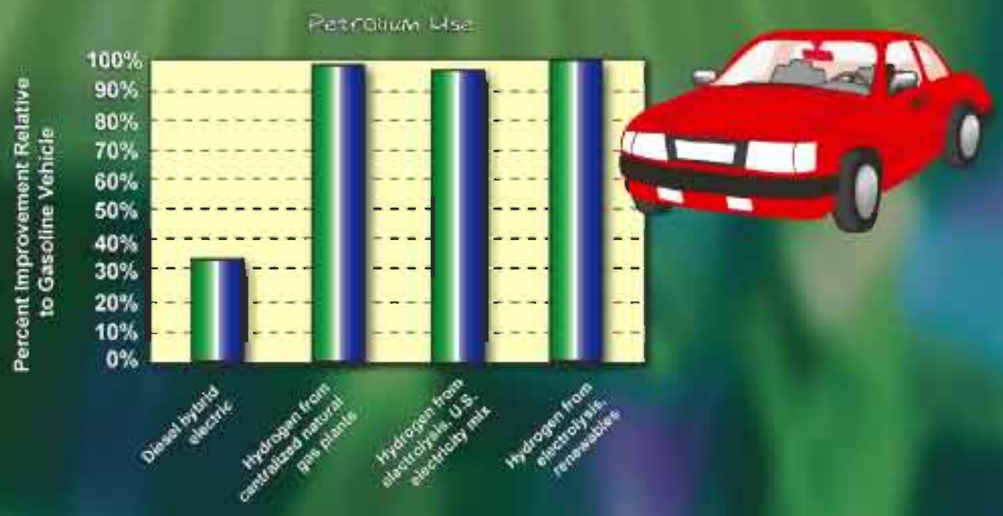
In this example, GREET has calculated the energy efficiencies required to make fuels available at the fuel pump. Well-to-pump efficiencies are significantly different among the pathways shown.



*Most of the energy consumed is renewable.

Calculating well-to-wheels per-mile petroleum use

In this example, GREET has calculated the well-to-wheels petroleum use for vehicle/fuel systems, relative to internal combustion engine vehicles using gasoline. All hydrogen pathways can virtually eliminate the use of petroleum.



Calculating well-to-wheels per-mile greenhouse gas emissions

In this example, GREET has calculated well-to-wheels greenhouse gas emissions for vehicle/fuel systems, relative to internal combustion engine vehicles using gasoline. Hydrogen pathways can have varied impacts on greenhouse gas emissions.