

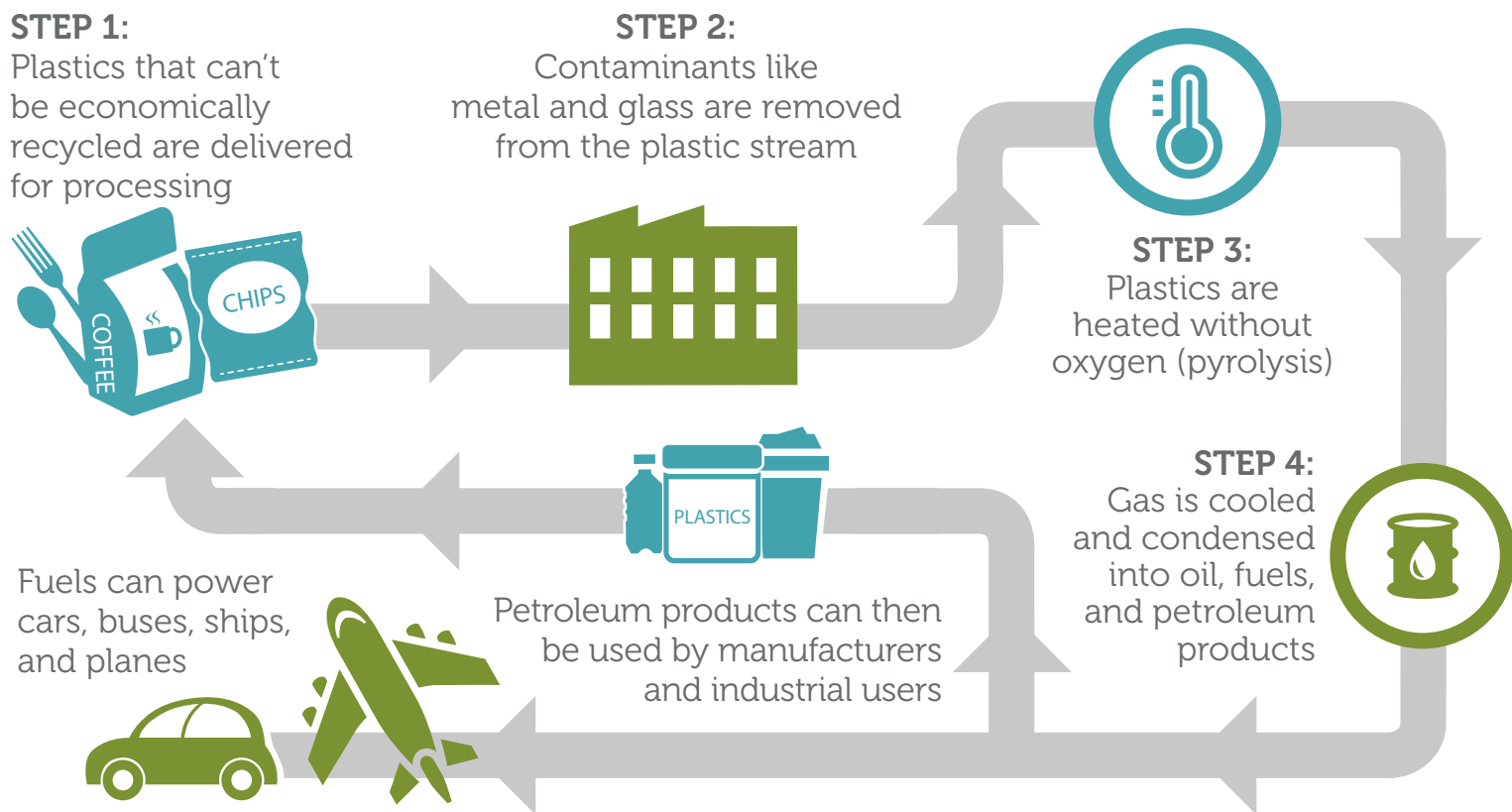
# WHAT ARE PLASTICS-TO-FUEL TECHNOLOGIES?



Plastics-to-Fuel & Petrochemistry Alliance

Innovative companies are using chemistry to convert non-recycled plastics into valuable fuels and feedstocks.

Companies are transforming used, non-recycled plastics into fuel and petroleum-based products. These plastics-to-fuel technologies, which complement ongoing recycling efforts, are being embraced as a way to recover clean energy from plastics that cannot be economically recycled. Growing interest and investments in plastics-to-fuel technologies can reduce the amount of waste sent to landfills and generate fuel and other useful products to help power America's transportation system and local economies.



## STATES AND LOCAL GOVERNMENTS SHOULD ENSURE THEIR LAWS ARE UPDATED TO SUPPORT THE POTENTIAL OF PLASTICS-TO-FUEL TECHNOLOGIES:



Plastics-to-fuel technologies should be recognized as complementary to recycling and an important part of a community's integrated solid waste management.



Laws and regulations should identify plastics-to-fuel companies as producers of an alternative energy source. Rather than a form of disposal, this process should qualify as utilizing raw materials for a manufacturing process under existing state and local regulations.



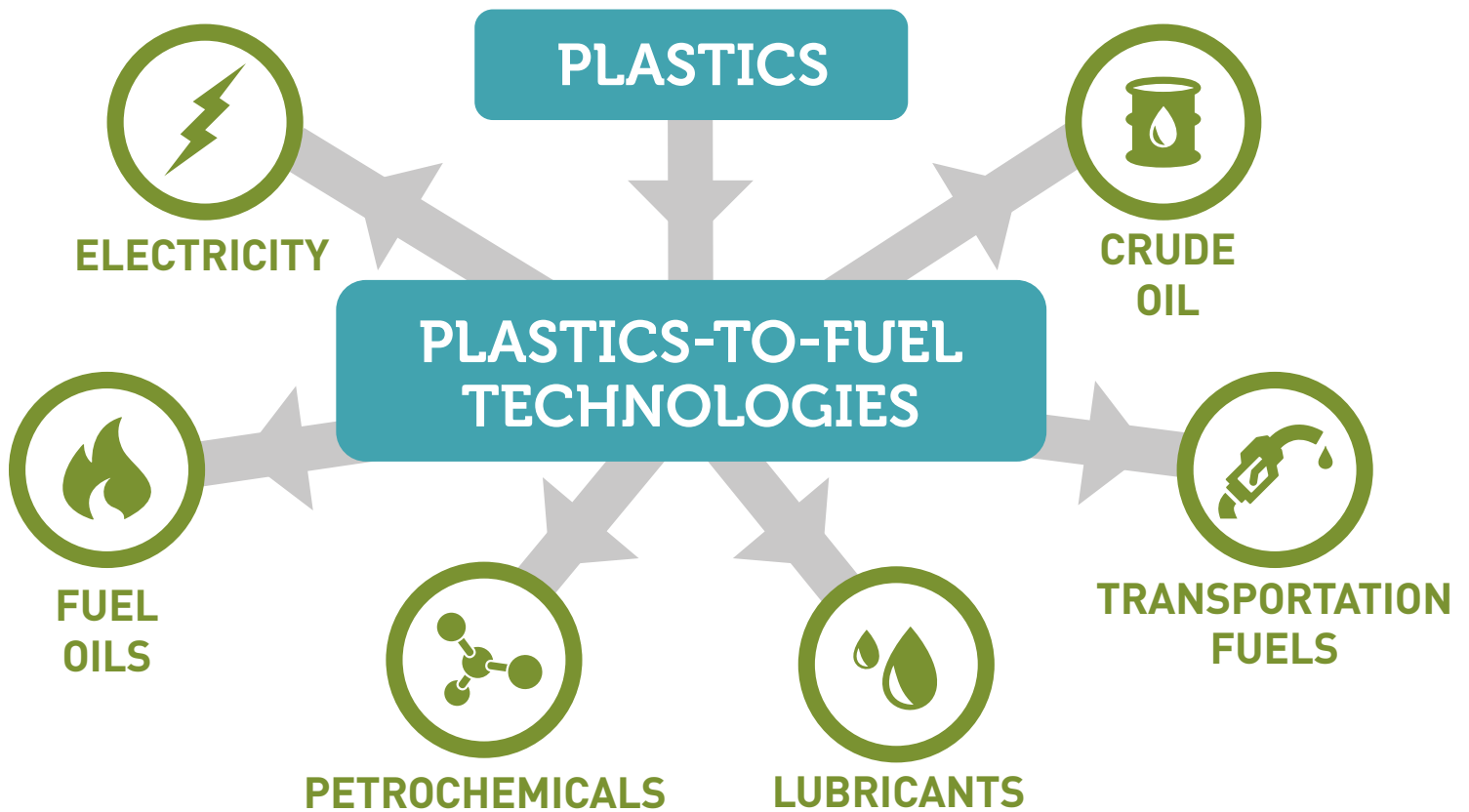
States should ensure their permitting frameworks and regulations for plastics-to-fuel and conversion technologies reflect 21<sup>st</sup> century innovations.

# THE BENEFITS AND VERSATILITY OF PLASTICS-TO-FUEL TECHNOLOGIES



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Today's versatile plastics-to-fuel technologies can convert non-recycled used plastics into a range of useful outputs, such as oil, fuels, and other petroleum-based products, to help power communities and other key parts of our economy, including transportation and manufacturing. These technologies also offer important environmental benefits, such as diverting valuable materials from landfill, transforming waste into an abundant source of alternative energy, and helping to reduce greenhouse gas emissions.



## BENEFITS OF EXPANDING PLASTICS-TO-FUEL TECHNOLOGIES



Plastics-to-fuel technologies complement plastics recycling by converting non-recycled plastics into valuable products.



If all the non-recycled plastics in municipal solid waste were converted to fuel instead of landfilled, these plastics could power up to 9 million cars per year.



Plastics-to-fuel technologies offer the opportunity to reduce greenhouse gas emissions by up to 60%-70% over new forms of crude oil extraction.