

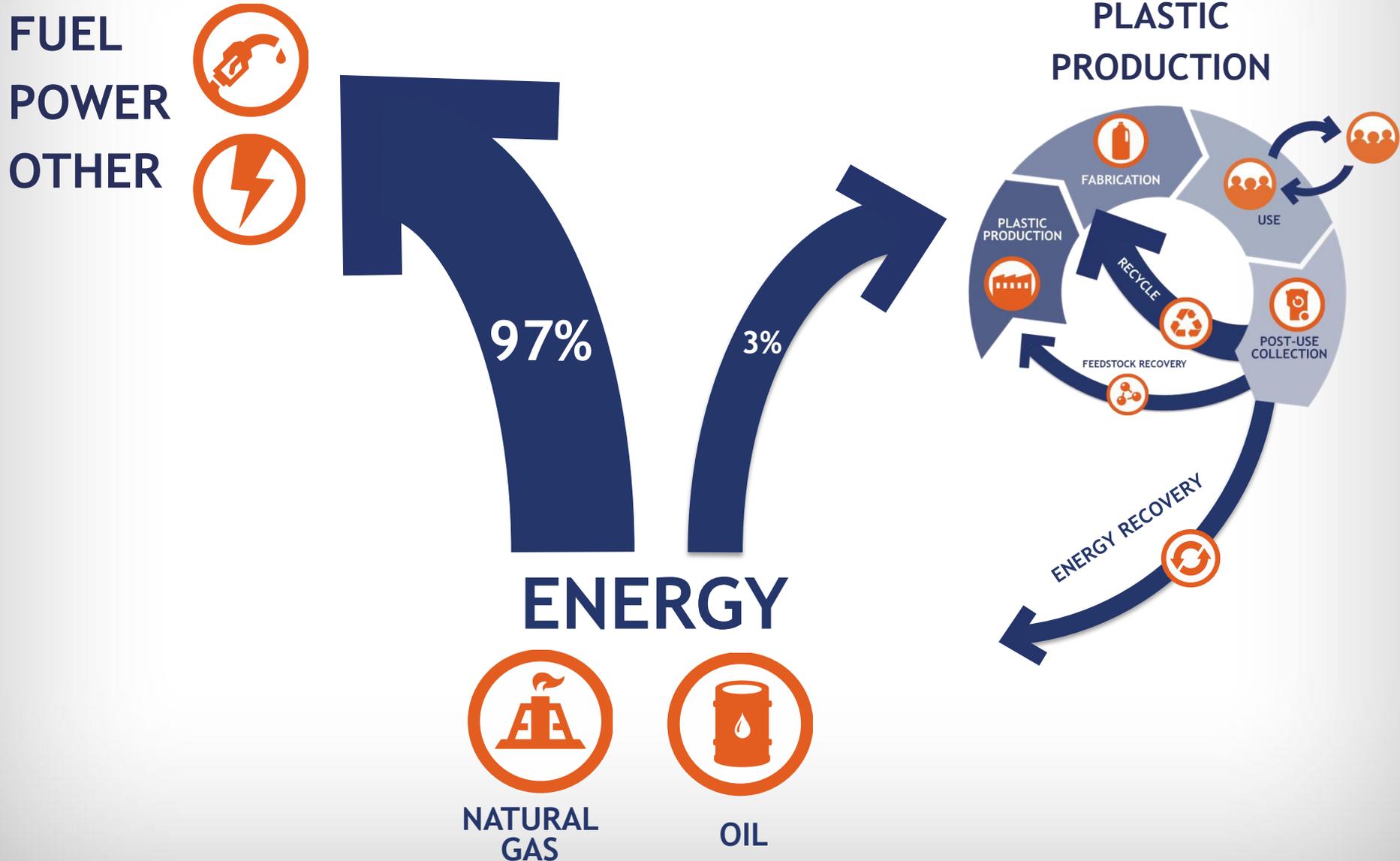
July 29, 2016

RECOVERY OF POST-USE PLASTICS

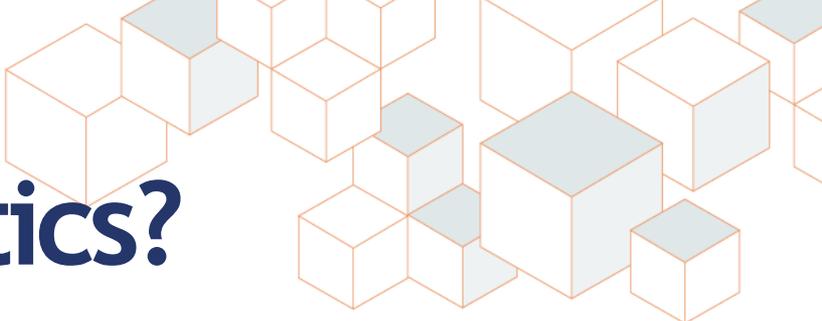
Southern California Conversion
Technology Conference



Plastic: A Nominal Energy User



Why do we use plastics?



- Reduce material use, weight
- Maintain freshness
- Reduce breakage
- Reduce transportation costs through light weighting
- Economical
- Reduce waste

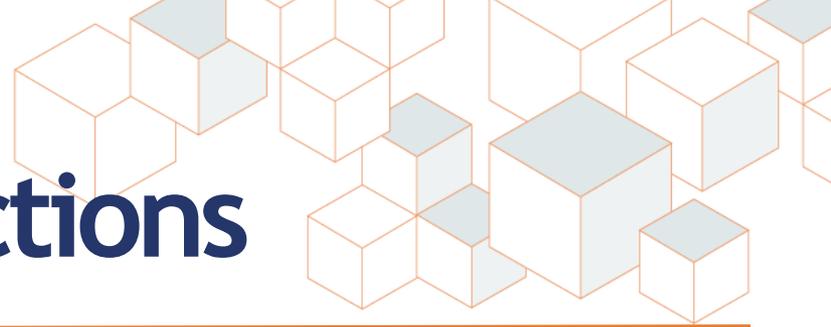
- Plastics reduce energy use by 80% and alternatives would increase GHG emissions by 130% across a variety of applications¹

Trends in Plastics Recycling

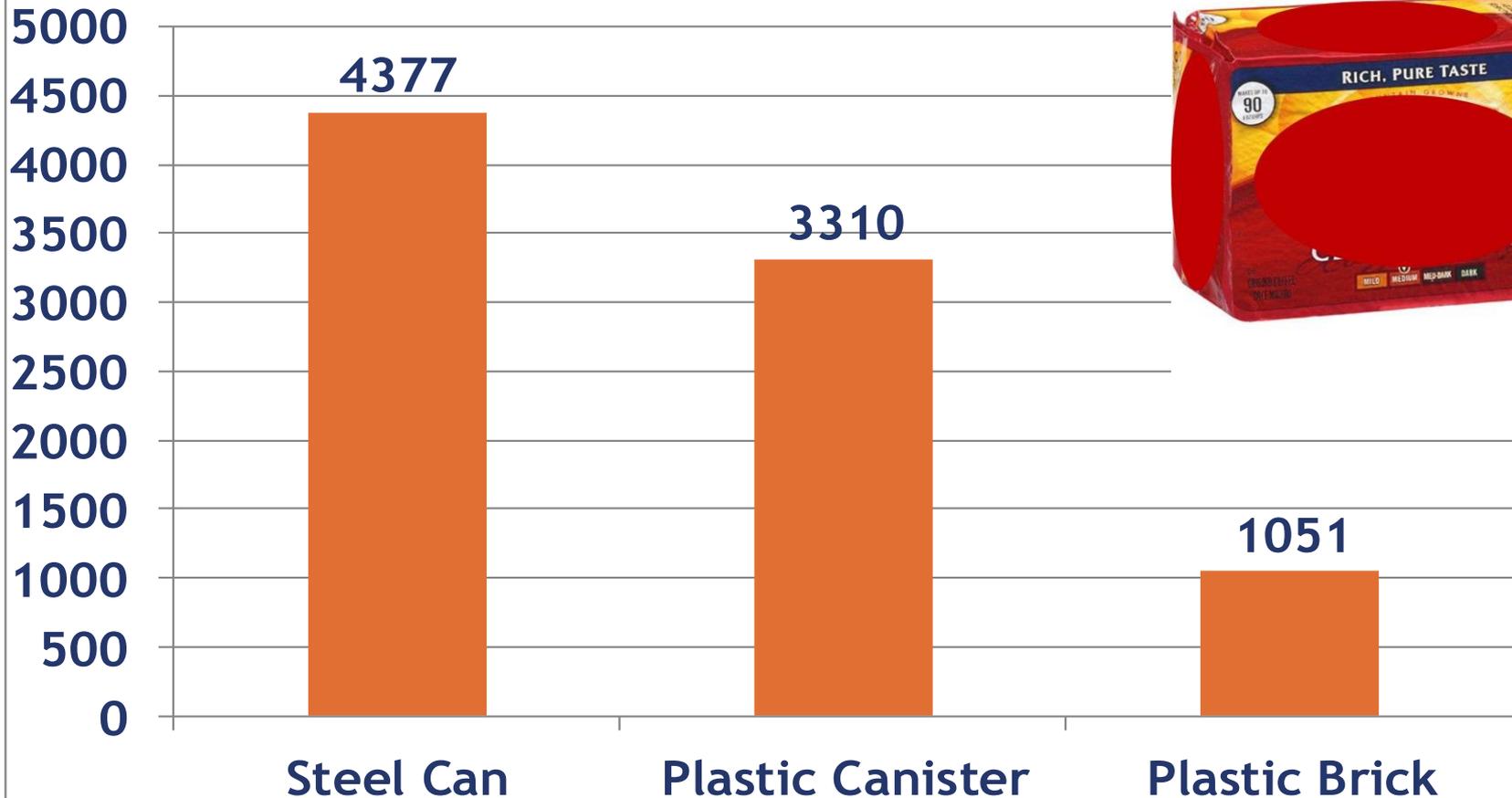
- Plastics recycling (tons) is UP
 - Bottles (3 billion lbs)
 - Bags, wraps and film (1.17 billion pounds)
 - Non-bottle rigids (1.3 billion pounds)
- Consumer access to recycling is UP
- Reasons to recycle plastics remain strong
- State, municipal adoption of best practices is UP
- Manufacturer, brand owner, retailer engagement is UP



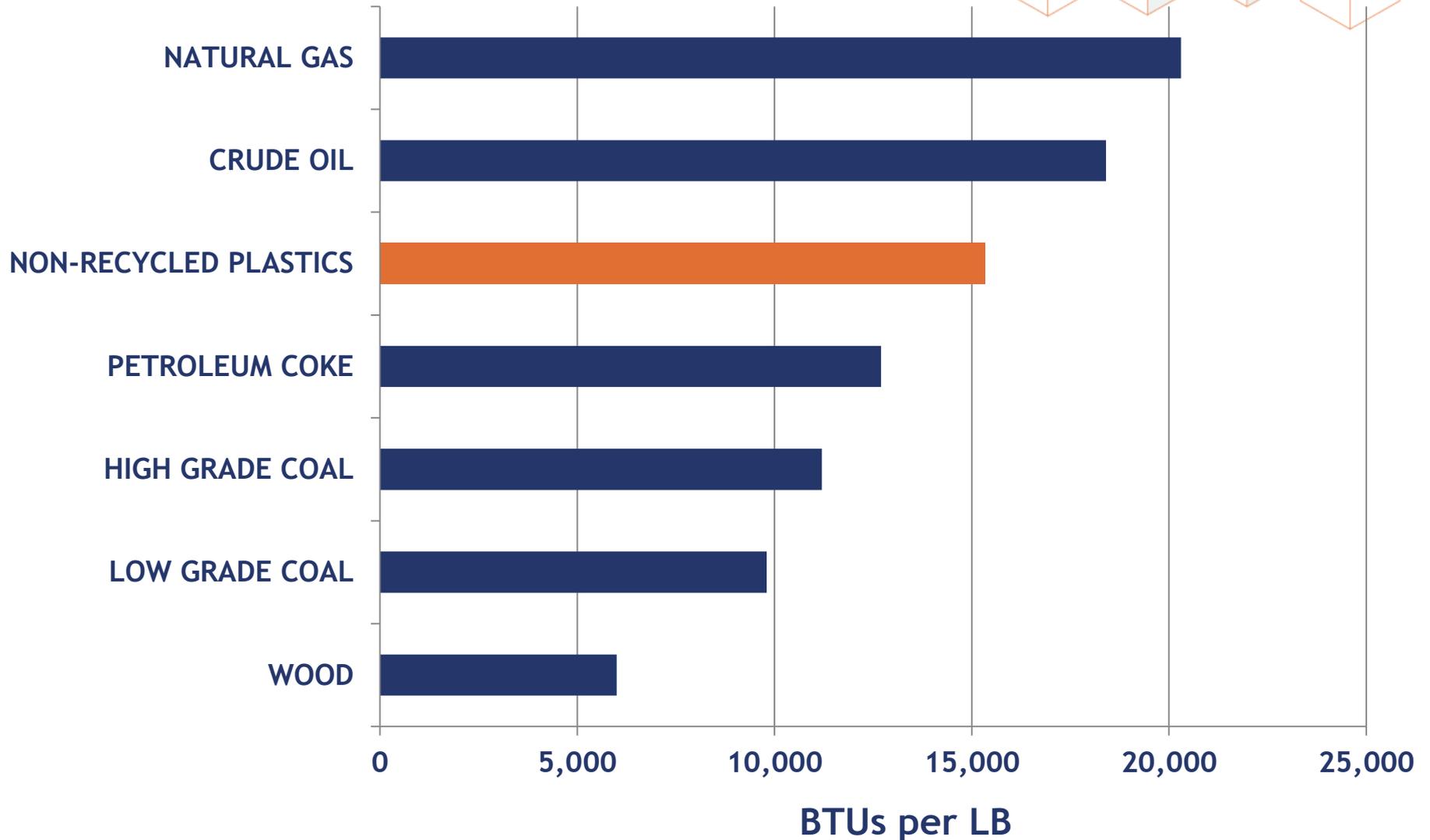
Energy & GHG Reductions



Greenhouse Gas



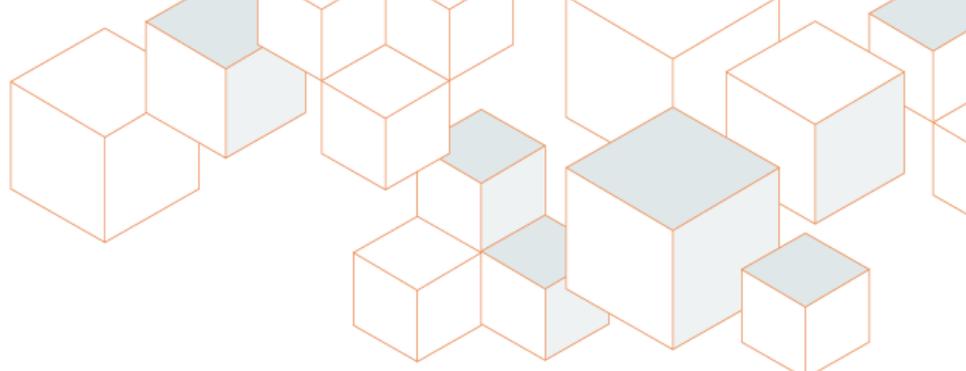
Plastics are Captured Energy



Vision for Plastics Recovery

Natural Gas & Oil





Thank You!

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