

OIL AND GAS PRODUCTION TO VACCINE DISTRIBUTION



OIL AND GAS DRILLING/PRODUCTION VIA PIPELINE TO REFINERIES (FUEL AND BY-PRODUCTS, INCLUDING PLASTICS & POLYMERS)
RESULTING IN:

MEDICAL SUPPLIES AND EQUIPMENT

These glass products include:

- Medicine Vials
- Microscope Slides
- Laboratory glassware
- Laboratory storage containers
- Laboratory Flasks
- Laboratory Beakers



Electric Uses in Hospitals

- 63% of electricity nationwide used in hospitals, production facilities, cooling and sterile air handling, as well as, ventilators defibrulators, and by-pass machines

The bulk of energy consumed in glass manufacturing for medical uses comes from natural gas combustion used to heat furnaces to melt raw materials to form glass.

Hydrocarbons are necessary in refrigeration

- The coronavirus vaccines being developed are required to be refrigerated at various temperatures ranging from minus 70 degrees Celsius to minus 20 degrees Celsius
- Typical refrigerators are made out of several different types of plastic and hydrocarbons are also used as refrigerants in the cooling system
- Hydrocarbons Also Needed for Transporting the Vaccine and other Medical Supplies
- Vaccines, medical equipment, and personnel must be distributed to hospitals, clinics and doctors offices via the use of transportation fuels of which 95% is either gasoline, diesel, or jet fuel

- Syringes
- Surgical Instruments
- Test Tubes
- Petri Dishes
- Dialysis Filters
- Housing for Test Kits
- Elastic Bandages
- Tape Adhesives
- IV Bags
- IV Tubing
- Single Use Medical Tubing
- Blood Bags
- Masks
- Gowns
- Goggle
- Cleanroom Suit
- Blood Pressure Cuffs
- Sterilization of Medical Devices and Bandages
- Hydrocarbons used in Glass Making Vaccine Vials and Other Medical Uses

