

## EXPLORATION GROUND SYSTEMS Rocket Propellant Loading

Ground support crews will load the agency's most powerful rocket, the Space Launch System (SLS), to launch from historic Pad 39B at NASA's Kennedy Space Center.



More than **730,000 gallons** of liquid propellants travel through complex umbilical systems from the mobile launcher into the tanks of the SLS.







## Interim Cryogenic Propulsion Stage Umbilical

Provides fuel, oxidizer, enviromental control systems, pneumatics, and electrical connections to the interim cryogenic propulsion stage.

## Tail Service Mast Umbilical

Provides liquid oxygen and liquid hydrogen fluid lines to the SLS core stage propellant tanks.



Liquid Oxygen

Liquid Hydrogen

