FROM RAW NATURAL GAS TO ELECTRICITY

1. **OIL/GAS RIG**
   - Sand and Rock Formations
   - Gas and Oil
   - Distribution to Power Station via Pipeline

2. **NATURAL GAS REFINING AT THE WELL HEAD / RIG**
   - Raw Natural Gas from Well Head
   - Oil/Water
   - Gas, Oil, Water
   - Gas Liquid Separator
   - Gas Sweetening
   - Dehydration
   - Separation of Methane from Other Hydrocarbons
   - Cleaned Methane to be Liquified (LNG)
   - To be piped to the pipeline

3. **DISTRIBUTION TO POWER STATION VIA PIPELINE**

4. **GAS FIRED POWER STATION**
   - Turbines
   - Generating Facility
   - Condenser
   - Filter Removes Toxic Fumes and Dangerous Particles

For detailed information and worksheets on energy, go to:
http://www.technologystudent.com/energy1/engex.htm

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