

## NWGA Members:

**Avista Utilities**

**Cascade Natural Gas Corp.**

**FortisBC Energy**

**Intermountain Gas Co.**

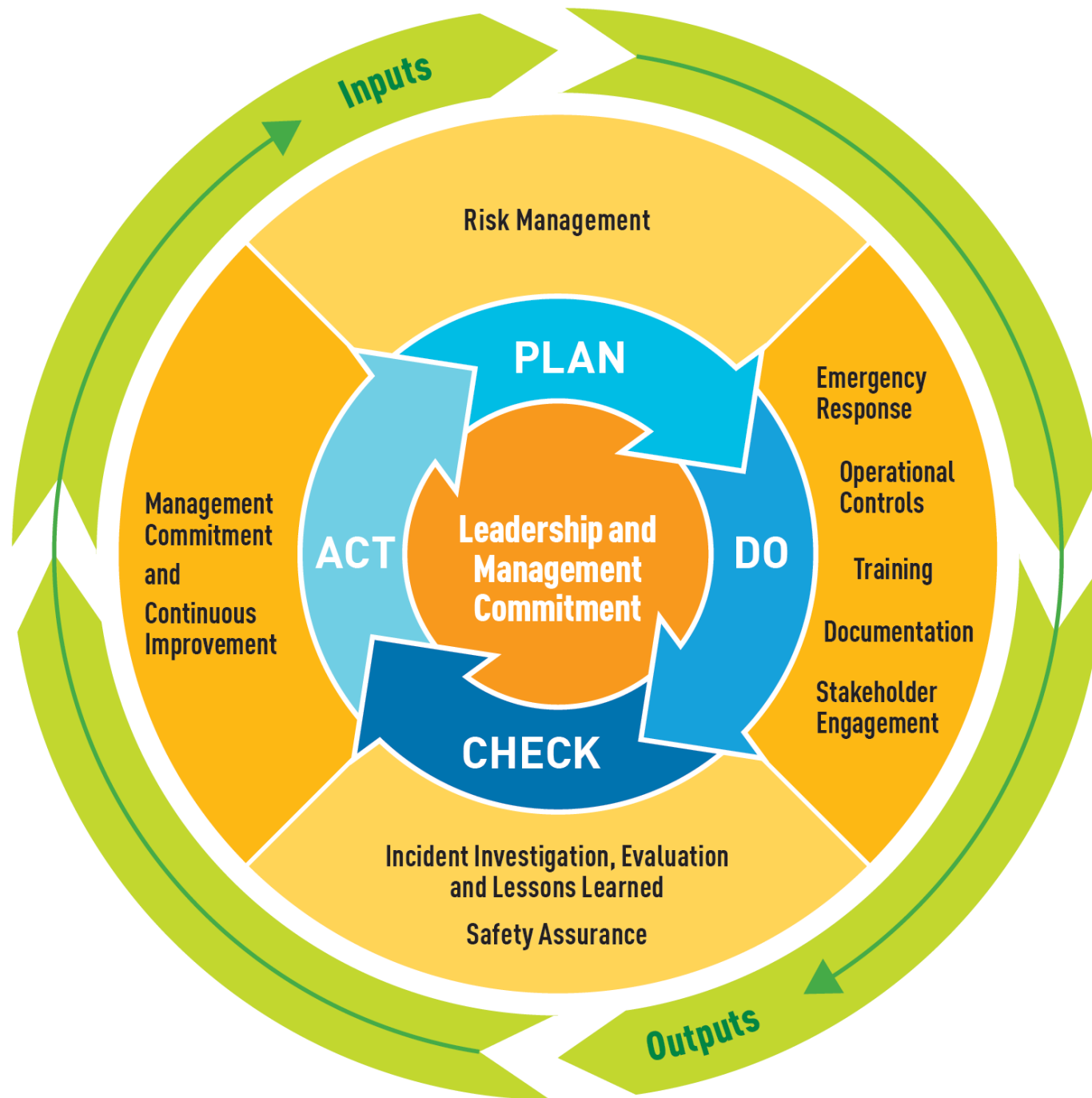
**NW Natural**

**Puget Sound Energy**

**Enbridge BC Pipeline**

**TC Energy GTN System**

**Williams NW Pipeline**



# Pipeline Security

## System Types

- Interstate
- Intrastate
- Distribution

## Mostly Underground

## Above Ground Facilities

- Valves, Sensors, Compressor Stations, Meter Stations, Meters
- Often remote

## Risks/Threats

- Cyber
- Physical
  - vandalism
  - excavation damage

## Mitigation

- Assess/prioritize
- Harden
- Educate
- Monitor

