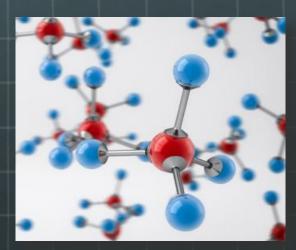


#### **Greenhouse Gas Emissions**

T4 Environmental Solutions, LLC

## The Causes of pollution

- Methane is a precursor to ground-level ozone, which can cause harmful effects on health and the environment and contributes to global warming.
  - Approximately 50 percent of the global annual ozone increase is believed to be due to methane.
- Methane emissions affect ozone concentrations globally and on decadal time scales given methane's relatively long atmospheric lifetime.
  - Projections of future emissions also indicate that methane is likely to be a key contributor to future ozone concentrations.



## The Size of the opportunity

- Natural gas and petroleum systems sources are the largest emitters of methane in the United States.
- The 2012 standards for Green House Gas Emissions apply only to the production and processing segments.
- Given the large number of pieces of equipment in the Transmission and Storage segments, the EPA is setting new GHG standards (by setting limitations on methane) for these pieces of equipment across the industry.





### The costs of Bleed Gasses

- Natural Gas emissions from Pneumatic Control Devices are one of the largest sources of methane emissions in the industry.
  - Bleed gas is the greatest source of emissions in pneumatically controlled systems.
- 2. The high cost of Green House Gas Fees, Citations and current service costs create a significant loss of profits.
- 3. The T4 Gas Recovery Box prevents bleed gas emissions and the loss of valuable product.



# Financial return from reducing gas-bleed losses

- Savings from reduced emissions can range from \$135 to \$780 or more per year, per device.
  - Using a natural gas price of \$3.00 per thousand cubic feet (Mcf)
- The T4 Gas Reccovery solution will rapidly lower costs and increase profits.



#### 1 Lower Methane Emissions

- Reductions in methane emissions can range from 45 to 260
  Mcf per device per year
  - depending on the device and the specific application.
- The T4 Gas Recovery solution will set new standards for environmental emissions.

