

Examples of voluntary actions undertaken by operators in the Utah basin to reduce emissions include:

- Conducting regular flyovers of their operations to identify emissions through remote sensing devices, and repair leaks identified.
- Installed hundreds of solar pumps to replace pneumatic powered pumps
- Installing LACT (Lease Automated Custody Transfer) units at new facilities, eliminating the need to open hatches on tanks when loading product out of the tank into trucks.
- Install central processing and tank facilities to facilitate capturing and controlling emissions.
- Converting some gas-operated pneumatic pumps and controllers to operation with compressed air with electrified air compressors and solar-powered compressors
- Converting some gas-operated pneumatic pumps and controllers to operation with nitrogen
- Capturing emissions from pneumatic devices to combustors
- Implementing Leak Detection and Repair (LDAR) at all sites including shut-in wells
- Adding remote sensors at well-heads and pipelines to be alerted of any leaks
- Conducting AVO (audio visual olfactory) observations at wells as often as weekly

Examples of recent and current regulatory actions that operators in the Uinta Basin comply with include:

- Implemented EPA's recently finalized Federal Implementation Plan for emission controls on oil and gas sites on Tribal lands – this rule is fully implemented now but some compliance dates occurred after the dates of the EDF flyovers
- Implementing EPA's recently finalized rules for new and modified oil and gas sites ("OOOOB" rules)
- Implementing BLM's rules for waste prevention – while this rule is not aimed at air emissions, it will result in reduced air emissions
- Preparing for EPA's Waste Emissions Charge (WEC) which applies a tax on methane emissions

Several UPA member companies belong to UPA's Latch the Hatch program aimed at reducing emissions. Participating companies signed a commitment statement to conduct certain emission-reducing actions. See separate metrics information.



# LATCH THE HATCH





# Latch the Hatch Metrics – Cumulative Through May 2023



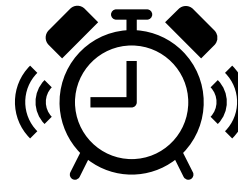
9 participating companies



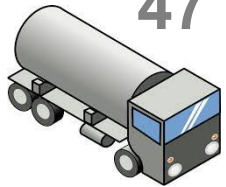
2022 signs



6854 gaskets



375 alarms for open hatches



47 hauling company participation requests



14 hauling company contract requirements



52 LACT units



625 tank isolation valves



9 flyovers



208 leaks detected by flyover - 10169 MCSFD

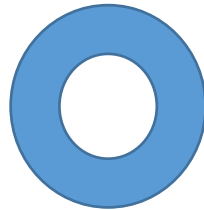
# Latch the Hatch Metrics – May 2023 Increase Over 2022 Metrics



29% increase -  
participating  
companies



64%  
increase -  
signs



75%  
increase -  
gaskets



971% increase –  
alarms for  
open hatches



81% increase –  
hauling company  
participation requests



40% increase –  
hauling company  
contract requirements



5100% increase –  
LACT  
units



2876% increase –  
tank  
isolation valves



350%  
increase –  
flyovers



940% increase - leaks  
detected by flyover –  
1096% increase in MCSFD

## **Additional Latch the Hatch Emission Reduction Activities Reported by Some Companies**

- Installed 45 solar pneumatic pumps to replace pumps with methane emissions. Planning to have 900 in service for winter 2023/2024.
- Replaced 12 microswitch valves, changed 960 valves and fittings plus 64 additional pneumatic devices to compressed air rather than dry gas.
- Installing tank isolation valves at all new facilities.
- Conducted additional emission reduction activities during ozone alert periods in early 2023 including but not limited to using a flare trailer to capture emissions during addition or replacement of combustors, checked thief hatches as often as daily, and postponed certain emissions-generating events.
- Some companies now plan to do 2 leak detection flyovers per year and one company signed a contract to do 6 per year.

# Thank You to Our Participating Companies!

