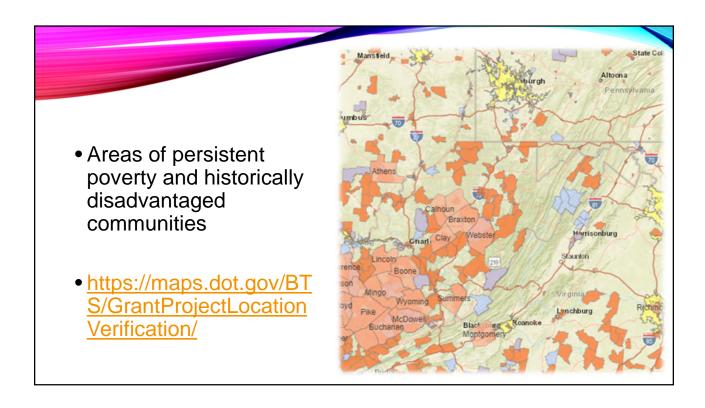
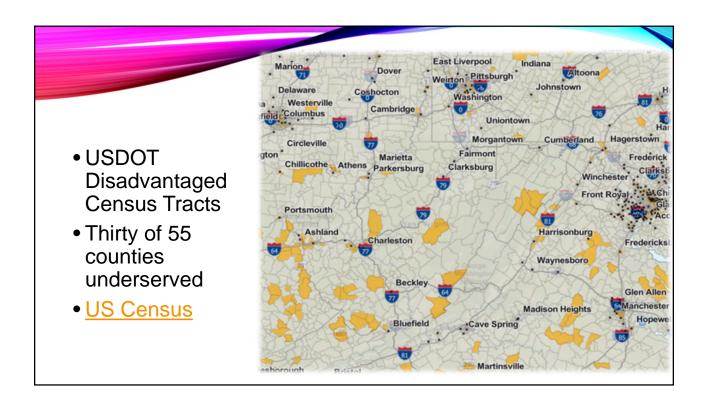
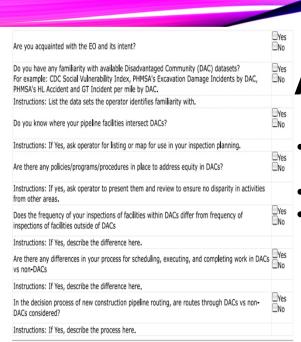


DISADVANTAGED AND UNDERSERVED

- Executive Order 13985 Advancing Racial Equity and Support for Underserved Communities
 - Underserved systematically denied full opportunity to participate in aspects of economic, social and civil life
 - Disadvantaged marginalized and overburdened by pollution and underinvestment in housing, transportation, water and wastewater infrastructure and health care.







DISADVANTAGED AND UNDERSERVED

- PHMSA has created new questions to address issue
- Used for integrated inspection
- States are NOT currently required to use the form

PIPES ACT 2020 SECTION 114

- Section 114 of Act required PHMSA to determine adequacy of an inspection and maintenance plan in "eliminating hazardous leaks and minimizing releases of natural gas from pipeline facilities"
- "Self Executing" and required changes to operator O&M Plans
- Leak Detection ADB 21-01published 6/10/2021
- Issues with Type B and Type C lines that are not required to have O&M plans

(RIN 2137- AF-51)

- Two efforts required by the PIPES 2020 Act
- Rulemaking to address Section 113 Leak Detection and Repair
- Rulemaking will be considered based on the results of the studies and reports required by Section 114 (Study based on Inspection and Maintenance Plan Oversight and Best Technology/Practices Report to minimize NG releases)

LEAK DETECTION (RIN 2137- AF-51)

- Two efforts required by the PIPES 2020 Act
- Major topics under consideration include leak survey frequency, repairs of leaks, use of advanced technology, etc.
- Transmitted to OMB 2/13/23
- 2023 NPRM

LEAK DETECTION (RIN 2137- AF-51)

- Rulemaking to address Section 113 Leak Detection and Repair
- Rulemaking will be considered based on the results of the studies and reports required by Section 114
- Leak survey frequency, repairs of leaks, reporting, use of advanced technology (leak vs emission), and vented emissions
- Section 114 is "Self Executing" and required changes to operator O&M Plans

CARBON DIOXIDE (CO₂)

- Added to Part 195 with Amdt 195-45 in 1991
 - Lake Nyos in Cameroon Africa killed >1700 persons
- Carbon Dioxide transported as supercritical liquid
 - §195.2 as >90% CO₂
 - Enhanced oil recovery
- Carbon Sequestration
 - WV passed several bills allowing for injecting into abandoned field

CARBON DIOXIDE (CO₂)

- Major incident in Satartia MS in February 2020
 - Evacuation of ~ 200 people
 - Forty-five sought medical attention
- Resulted in ADB 22-01
 - Geotechnical hazards



CARBON DIOXIDE (CO₂)

- NPRM Stage for Parts 192 and 195
- Proposal due in 2023
- May include
 - Emergency preparedness
 - Dispersion and plume modeling
 - Leak detection
 - Facture propagation

HYDROGEN BLENDING INDUSTRY EFFORTS

- Use of blended hydrogen fuel is undergoing research by several major R&D organizations (GTI, Southwest Research, etc.)
- With the methane emissions focus by Congress and PHMSA, this will continue to be looked at with the goal of reducing greenhouse gas emissions
- Several pilot programs in process to assess how hydrogen will work with existing pipeline distribution systems, effects on materials, leak detection processes, etc.

HYDROGEN BLENDING INDUSTRY EFFORTS

- In harmony with Section 113/114 of the PIPES Act, operators should be looking at ways to reduce emissions, including use of hydrogen (depending on results of the pilot programs)
- Potential issues
 - Leak detection and odorization
 - Affect on materials
 - Lower BTUs
 - Emergency response and training

RENEWABLE NATURAL GAS (RNG)

- Includes biogas, landfill gas
- Installations have been completed in some states
- Gas quality and ability to be blended with existing natural gas supplies can be a critical issue and addressed in several ways



RENEWABLE NATURAL GAS (RNG)

- Biogas facilities may serve one plant (powerplants, etc.) or are blended into a gas distribution system
- Some biogas facilities may have pipelines that may fall under the Gas Gathering Line regulations
- Building all over Midwest
- Issues with the building facilities outside of regulatory requirements



RENEWABLE NATURAL GAS (RNG)

- PHMSA continues to work with NASPR on looking at biogas issues and may issue or make available some guidance for those wishing to install biogas systems
- NAPSR created a RNG resources for operators
 - http://www.napsr.org/resources.html
 - Look for Biogas/RNG Resource Spreadsheet for Operators
- More information at
 - https://www.rngcoalition.com/

REAUTHORIZATION

- PHMSA reauthorized every 4 years
 - Already working on next reauthorization
 - Every new rule affects regulators
 - NAPSR and ex parte rule
 - Money and support
 - USC 60107 up to 80% funding

HOW TO BLOW UP A PIPELINE

Videos of How to Blow Up A Pipeline Trailer

- Based on 2021 book of same title
- Release date of April 7, 2023
- How to blow up a pipeline

HOW TO OFFICIAL TROPA BLOW

How To Blow Up A Pipeline - Official Trailer - In Theaters April 7

1.5M views - 1 month ago

