

Farming Efficiently Near Williams Pipelines



Know what's below.
Call before you dig.

CALL 811 BEFORE YOU DIG

You are required by law to contact 811, "Call Before You Dig," at least 48 to 72 hours (varies by state) prior to excavating. Excavating includes any activity which requires moving dirt or the operation of heavy equipment.



WE MAKE CLEAN ENERGY HAPPEN®



WILLIAMS EMERGENCY NUMBER: 855-945-5762



This is a federally and state-regulated pipeline safety message.

You've received this brochure because you've been identified as someone who farms, ranches and/or owns farmland near Williams' pipelines.

This brochure contains information about farming safely around pipelines, including:

- How to farm efficiently around Williams' pipelines
- Recognizing a right-of-way and pipeline markers
- Damaging or disturbing a pipeline
- Recognizing a pipeline leak
- Responding to a pipeline leak
- General information about Williams' pipeline operations

FARMING EFFICIENTLY AROUND WILLIAMS PIPELINES

Using the information contained in this brochure as a part of your farming or ranching operation will help keep your farm or ranch operating efficiently and keep you and your family safe.

For more information about digging safely around our pipelines, or anything else mentioned in this brochure, you can contact us at:

- Non-emergency phone number: **1-800-WILLIAMS (1-800-945-5426)**
- For more information about pipeline safety, visit www.williams.com/safety
- You can also contact us at PublicSafety@Williams.com

Para ver la información en este folleto en un idioma que no sea inglés, visite <https://wmb.link/PAR> o escanee el código QR.



SEE SOMETHING! SAY SOMETHING!

- Be aware of people acting suspiciously near pipelines or pipeline facilities. Report unusual or suspicious activity, including:
 - People taking photos, video or showing other unusual interest in pipelines and facilities
- People or vehicles loitering in the vicinity of pipelines or facilities
 - A strong odor or fluid leaking from a vehicle located near a pipeline facility

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CALL 811

You are required by law to contact 811, your state's One-Call agency, at least 48 to 72 hours (varies by state) prior to farming excavation activities.

Please visit <https://call811.com/811-In-Your-State> for state-specific One-Call information.

If Williams operates a pipeline in the vicinity, we will be notified and will locate and mark our pipeline with temporary flags or spray paint before you dig.

Damage from excavation-related activities is the leading cause of pipeline incidents, so always call 811 before you dig.

Although many farming activities may appear routine, **state regulations require that you must contact 811 prior to starting farming activities.** The following activities, frequently considered routine farming activities, are, in fact, activities that require 811 notification:

Dirt Work and Excavation

- Drain tiling
- Grading
- Plowing
- Soil sampling
- Tilling
- Trenching

Maintenance and Repair

- Fence installation and maintenance
- Pivot installation and maintenance

Land Management

- Tree or stump removal
- Clearing or grubbing
- Ripping

Calling 811 prior to any farming activities will ensure that your farm is running efficiently. Damaging Williams' pipelines will create costly delays in your farming operations.

To indicate the precise position of Williams' pipelines, a representative will use **yellow paint and flags to mark the exact location of Williams pipelines.**

It is crucial to exercise caution while working in close proximity to these marked lines.

Mechanical equipment should not be used within a distance of 50 inches on either side of the pipeline.

If your **farming excavation activity is in the vicinity of Williams' right-of-way or easement**, a Williams representative will be present on the site during your project. Do not remove the paint marks, flags or stakes until the digging is complete. If you happen to uncover a pipeline, a Williams representative will inspect the area before you backfill that area.

In the event that a **pipeline is exposed during farming operations**, a Williams representative will request to examine the pipeline before being backfilled.



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RECOGNIZING A RIGHT-OF-WAY AND PIPELINE MARKER

A pipeline right-of-way is a strip of land over and around a pipeline where some of the property owner's legal rights have been granted to a pipeline company. Pipeline rights-of-way must be kept free from structures and other obstructions for your safety and to provide access for maintenance and in the event of an emergency.

If a pipeline crosses your property, do not plant trees, high shrubs or any vegetation that would impede access to the right-of-way. Likewise, do not dig, excavate, operate heavy equipment, build, store or place anything on the right-of-way.

Pipeline markers are found within the pipeline right-of-way.



Permanent pipeline marker examples



PIPELINE MARKERS

- Indicate **approximate** location. They cannot be used to determine exact location or depth.
- Can be found where lines meet at public access points, aboveground facilities, streets, highways, waterways and railway intersections
- Display the pipeline operator's name, emergency number and product transported

FARMING EQUIPMENT & RIGHT-OF-WAY CROSSINGS

Machinery and vehicles exceeding 10,000 lbs., such as grain trucks, livestock trailers, tractors, etc., pose a particular threat to buried pipelines. If you plan to traverse a Williams pipeline with heavy vehicles or equipment of any kind, please **call 811** first. Our representatives will work with you to establish a safe crossing and prevent accidental pipeline damage and unnecessary risk to public safety.

RIGHT-OF-WAY ENCROACHMENTS

If a pipeline crosses your property, refrain from constructing any structures such as barns, sheds, grain bins, or planting trees or shrubs on the right-of-way or a place that would obstruct access to the right-of-way. Additionally avoid any tilling, digging or operation of heavy equipment and do not place or store any items on the right-of-way.

DAMAGING OR DISTURBING A PIPELINE

Williams maintains a Damage Prevention Program in accordance with state and federal guidelines. If you cause or witness even minor damage to a pipeline or its protective coating, please immediately notify Williams. Even a small disturbance to a pipeline may cause a future leak. **A gouge, scrape, dent or crease is cause enough for Williams to inspect the damage and make repairs.** Do not cover a pipeline that has been damaged.

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RECOGNIZING A PIPELINE LEAK

USE YOUR SENSES

Although pipeline leaks are uncommon, it is important to be able to recognize the warning signs using sight, sound and smell. Leaks could be in a liquid or gaseous state.

Note: All of these signs may not be evident at the same time.

SIGHT

- Discolored or dead vegetation
- Flames coming from the ground
- A cloud of vapor, fog or mist
- A pool of liquid on the ground or bubbling in a wet, flooded area
- Dirt blowing in the air
- A rainbow or sheen on the water

SOUND

- An unusual hissing or roaring noise coming from a pipeline

SMELL

- An unusual odor or scent of gas, petroleum liquids or a slight hydrocarbon smell
- The products in Williams pipelines are primarily odorless, but may contain a rotten-egg smell from the odorant, mercaptan
- Hydrogen sulfide will carry a pungent, rotten-egg odor



RESPONDING TO A PIPELINE LEAK

Follow these basic Do's and Do Not's to remain safe during a pipeline leak:

DO

1. **Leave the immediate area on foot!** Move in a crosswind direction away from the leak or vapor cloud and maintain a safe distance. Abandon any equipment being used in or near the area.
2. **Go directly to a safe location**, and then **call 911** and Williams' emergency number at **855-945-5762**.
3. **Warn others to stay away from the leak.**

DO NOT

1. Cause any open flame or other potential source of ignition such as an electrical switch, vehicle ignition, lighting a match, ringing a doorbell, etc.
2. Come into direct contact with any escaping liquids or gas.
3. Drive into a leak or vapor cloud while leaving the area.
4. Attempt to operate any pipeline valves yourself. You may inadvertently route more product to the leak or cause a secondary incident.
5. Attempt to extinguish a natural gas fire.
6. Use telephones (including cell phones) or anything that could cause a spark.
7. Use email, text or the internet to contact the company about a leak, and never assume someone else has reported the leak.

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WILLIAMS RESPONSE TO A LEAK

Williams strives to build partnerships with the emergency response community to share resources and provide education for a safe response to a pipeline emergency.

In the unlikely event of a pipeline emergency, Williams will work with the response community to control the situation as quickly as possible. Our trained personnel will:

- Arrive at the site of the emergency and stop or reduce product flow to the area
- Notify and work with the appropriate emergency response officials
- Repair the facility and restore service as soon as possible
- Fully investigate the cause of the incident

POTENTIAL HAZARDS OF A PIPELINE RELEASE

Below is a list of products commonly transported via pipeline. For a list of specific commodities in your area, please contact Williams at **1-800-WILLIAMS (1-800-945-5426)** or **PublicSafety@Williams.com**.

Product	Leak Type	Vapors	Hazards
Natural Gas liquids: Ethane Propane Butane	Liquid/Gas	Initially heavier than air. Can spread along the ground and collect in low or confined areas. Vapors may travel to ignition sources and flash back.	All are extremely flammable. Vapors may cause dizziness or asphyxiation and may be toxic if inhaled at high concentrations. Contact with products may cause burns, severe injury and/or frostbite. Fire may be hazardous to environmental areas surrounding leak including, but not limited to, waterways.
Oil liquids: Gasoline Crude Oil	Liquid	Heavier than air	
Natural Gas	Gas	Lighter than air	Extremely high concentrations may cause irritation or asphyxiation. Extremely flammable and easily ignited by heat, sparks or flames.
Hydrogen Sulfide (H ₂ S)	Gas	Heavier than air and will settle, particularly in low-lying areas	High concentrations may paralyze sense of smell and be fatal. Extremely flammable.

MAINTAINING SAFETY AND INTEGRITY OF PIPELINES NEAR YOU

An Integrity Management Plan (IMP) provides a process of assessing and mitigating risks along transmission pipelines. Williams has developed and implemented an IMP that provides a process for monitoring, managing and mitigating risks along transmission pipelines. For a copy of Williams' IMP, visit www.williams.com/safety.

High Consequence Areas (HCAs) are part of Williams' IMP and apply to transmission piping only. This provides enhanced protection for highly populated areas, an outside area or open structure, or a facility occupied by persons who are confined, are of impaired mobility, or would be difficult to evacuate. Examples of HCAs include beaches, playgrounds, recreational facilities, camping grounds, outdoor theaters, stadiums, recreational areas near a body of water, etc.

Unusually Sensitive Areas (USAs) are similar to HCAs and are also part of Williams' IMP, but rather than a focus on high population or other populated areas, USAs focus on liquid pipelines near commercially navigable waterways, primary or alternative drinking water sources, ecological resources, wetlands or areas inhabited by threatened and endangered species.

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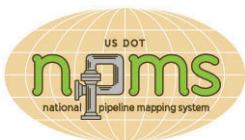
PIPELINE PURPOSE AND RELIABILITY

Williams operates pipelines near you. Williams' pipelines and facilities are part of a vast national network of underground pipelines. This system is our country's lifeline for a variety of daily activities. From natural gas to heating oil, from water to jet fuel, pipelines reliably deliver products many of us take for granted, but which are essential to our nation's economy and standard of living.

Some pipelines transport potentially hazardous and flammable substances under high pressure. Yet, according to statistics from the National Transportation Safety Board and the U.S. Department of Transportation (DOT), pipelines are one of the safest modes of transportation in the United States.

PIPELINES/SYSTEMS OPERATED BY WILLIAMS

Pipeline/Systems	State
Arcadia Gas Storage LLC	LA
Black Marlin Pipeline Company	TX
Blue Racer Midstream LLC	OH & WV
Bluestem Pipeline LLC	KS & OK
Cadeville Gas Storage LLC	LA
Cardinal Operating Company LLC	NC
Discovery Gas Transmission LLC	LA
Discovery Producer Services LLC	LA
Gemini Carthage Pipeline LLC	LA & TX
Gulfstream Management & Operating Services LLC	AL, FL & MS
Hill Lake Gas Storage	TX
Louisiana Midstream Gas Services LLC	LA
Magnolia Midstream Gas Services LLC	LA
Mid-Continent Fractionation and Storage LLC	KS
Monroe Gas Storage Company LLC	AL & MS
MountainWest Pipeline LLC	CO, UT & WY
Northwest Pipeline LLC	CO, ID, OR, UT, WA & WY
Perryville Gas Storage LLC	LA
Pine Needle Operating Company LLC	NC
Pine Prairie Energy Center LLC	LA
Rocky Mountain Midstream LLC	CO
Rocky Mountain Midstream Pipeline LLC	CO
SG Resources Mississippi LLC	MS & AL
Transcontinental Gas Pipe Line Company LLC (Transco)	AL, DE, GA, LA, MD, MS, NC, NJ, NY, PA, SC, TX & VA
Utica East Ohio Midstream LLC	OH
Williams Field Services - Gulf Coast Company LP	AL, LA & TX
Williams Field Services LLC	AL, CO, KS, WY, OH, PA, WV & NY
Williams Front Range LLC	CO
Williams Gilcrest LLC	CO
Williams MLP Operating LLC	OH, OK, PA, TX & WV
Williams Oil Gathering LLC	LA & TX
Williams Olefins Feedstock Pipelines LLC	LA & TX
Williams Partners Operating LLC	WA
Worsham-Steed Gas Storage LLC	TX



NATIONAL PIPELINE MAPPING SYSTEM

The National Pipeline Mapping System (NPMS) includes information on hazardous liquid pipelines and natural gas transmission pipelines. To view the transmission pipelines in your area, visit www.npms.phmsa.dot.gov.

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**Know what's below.
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Remember to always call 811 prior to farming activities to ensure your farm continues to run efficiently! This **free** service will notify all utilities in the area of your planned dig.

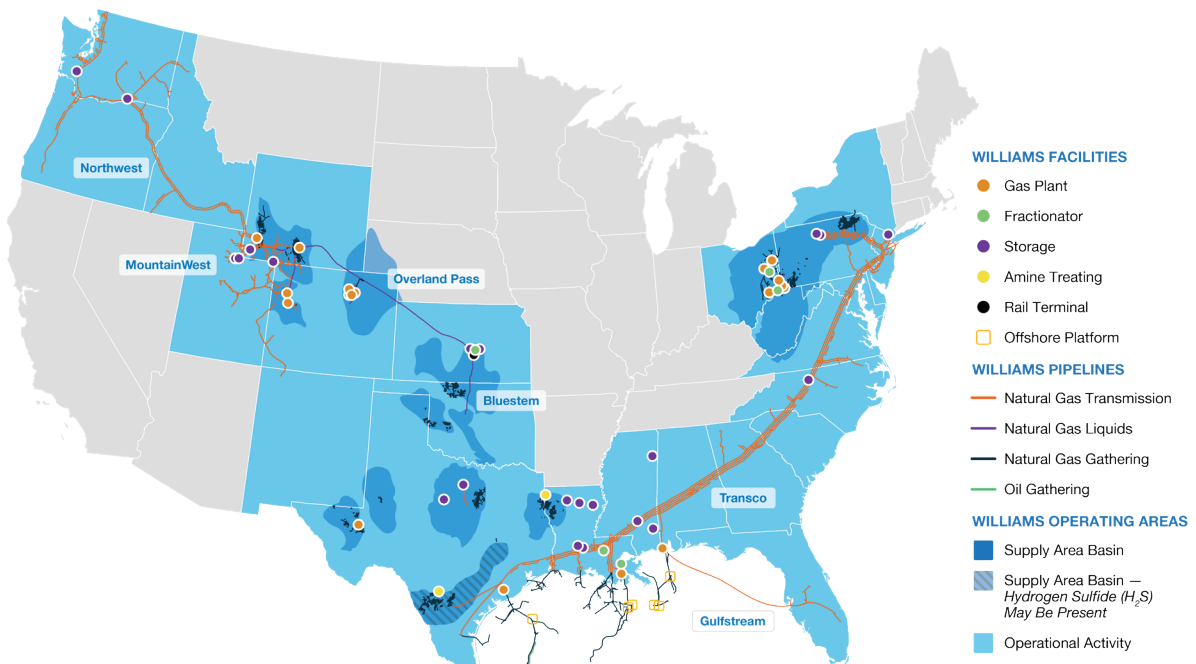
- Calling **811** will help prevent you from damaging Williams' pipelines and causing significant delays to farming operations
- In addition to injury, pipeline damages can result in loss of time and crops, as well as equipment and other property damage
- **A reminder** – farming activities that require you to **call 811** prior to performing include, but are not limited to, drain tiling, plowing, fence installation, tree or stump removal, etc.
- Wait for the lines to be marked and always use caution while working in close proximity to marked lines

For the most current and up-to-date state-specific One-Call laws, please visit this website: <https://call811.com/811-In-Your-State>

For your state-specific One-Call laws, see chart below:

State	Notice Required
Alabama	2 full working days not counting day of notification
Colorado	2 days not to include the day of notice
Delaware	2 business days
Florida	2 full business days
Georgia	3 days
Idaho	2 business days
Kansas	2 full working days
Louisiana	2 full working days, excluding weekends and specified holidays
Maryland	2 business days
Mississippi	2 working days
New Jersey	3 full business days
New York	2 full working days, excluding day of call

State	Notice Required
North Carolina	Within 3-12 full working days
Ohio	48 hours
Oklahoma	No less than 48 hours, excluding the date of notification, Saturdays, Sundays, and legal holidays
Oregon	2 days
Pennsylvania	Construction phase: 3-10 business days; Design phase: 10-90 business days
South Carolina	No less than 3 working days and no more than 10 working days
Texas	2 working days, not more than 14 days
Utah	48 hours, 2 business days
Virginia	48 hours beginning after 7 a.m. the next working day following notice
Washington	2 business days
West Virginia	2 days; not more than 10 days
Wyoming	2 full business days



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