Attachment D

DNR NHIS Query and USFWS IPaC Species List

DEPARTMENT OF NATURAL RESOURCES

Formal Natural Heritage Review - Cover Page

See next page for results of review. A draft watermark means the project details have not been finalized and the results are not official.

Project Name: Farmington Compressor Station Improvements

Project Proposer: Northern Natural Gas

Project Type: Utilities, Pipelines (gas, petroleum)

Project Type Activities: Groundwater Impacts (e.g., groundwater appropriation, change in recharge, contamination);Structure Removal or Bridge Removal

TRS: T114 R20 S36

County(s): Dakota

DNR Admin Region(s): Central

Reason Requested: State EAW

Project Description: The Farmington Compressor Station Improvements Project includes several maintenance and equipment improvements. Improvements would be constructed in phases ...

Existing Land Uses: The existing Facility has been in operation since 1961. The Facility is located in near other industrial uses. Recreational and institutional uses are present, east of Akin Road.

Landcover / Habitat Impacted: Disturbance would be limited to the existing industrial site that has been previously disturbed.

Waterbodies Affected: An unnamed stream is located north of the site and the Vermillion River is south of the site, which are designated trout streams. Wetlands are present ...

Groundwater Resources Affected: Due to the water level at the site, past construction has required temporary dewatering which has required a Water Appropriation Permit and developing ...

Previous Natural Heritage Review: No

Previous Habitat Assessments / Surveys: No

SUMMARY OF AUTOMATED RESULTS

Category	Results	Response By Category
Project Details	No Comments	No Further Review Required
Ecologically Significant Area	No Comments	No Further Review Required
State-Listed Endangered or Threatened Species	No Comments	No Further Review Required
State-Listed Species of Special Concern	No Comments	No Further Review Required
Federally Listed Species	No Records	Visit IPaC For Federal Review

DEPARTMENT OF NATURAL RESOURCES

Minnesota Department of Natural Resources
Division of Ecological & Water Resources
500 Lafayette Road, Box 25
St. Paul, MN 55155-4025

October 30, 2022

Project ID: MCE #2022-00736

Erin Sejkora
Stantec
7500 olson memorial hwy
golden valley, MN 55427

RE: Automated Natural Heritage Review of the proposed Farmington Compressor Station Improvements
See Cover Page for location and project details.

Dear Erin Sejkora,

As requested, the above project has been reviewed for potential effects to rare features. Given the project details provided on the cover page, I do not believe the proposed project will negatively affect any known occurrences of rare features. To ensure compliance with federal law, conduct a federal regulatory review using the U.S. Fish and Wildlife Service's (USFWS) online Information for Planning and Consultation (IPaC) tool.

The Natural Heritage Information System (NHIS), a collection of databases that contains information about Minnesota's rare natural features, is maintained by the Division of Ecological and Water Resources, Department of Natural Resources. The NHIS is continually updated as new information becomes available, and is the most complete source of data on Minnesota's rare or otherwise significant species, native plant communities, and other natural features. However, the NHIS is not an exhaustive inventory and thus does not represent all of the occurrences of rare features within the state. Therefore, ecologically significant features for which we have no records may exist within the project area. If additional information becomes available regarding rare features in the vicinity of the project, further review may be necessary.

For environmental review purposes, the results of this Natural Heritage Review are valid for one year; the results are only valid for the project location and the project description provided on the cover page. If project details change or construction has not occurred within one year, please resubmit the project for review.

The Natural Heritage Review does not constitute project approval by the Department of Natural Resources. Instead, it identifies issues regarding known occurrences of rare features and potential effects to these rare features. For information on the environmental review process or other natural resource concerns, you may contact your DNR Regional Environmental Assessment Ecologist.

Thank you for consulting us on this matter, and for your interest in preserving Minnesota's rare natural resources.

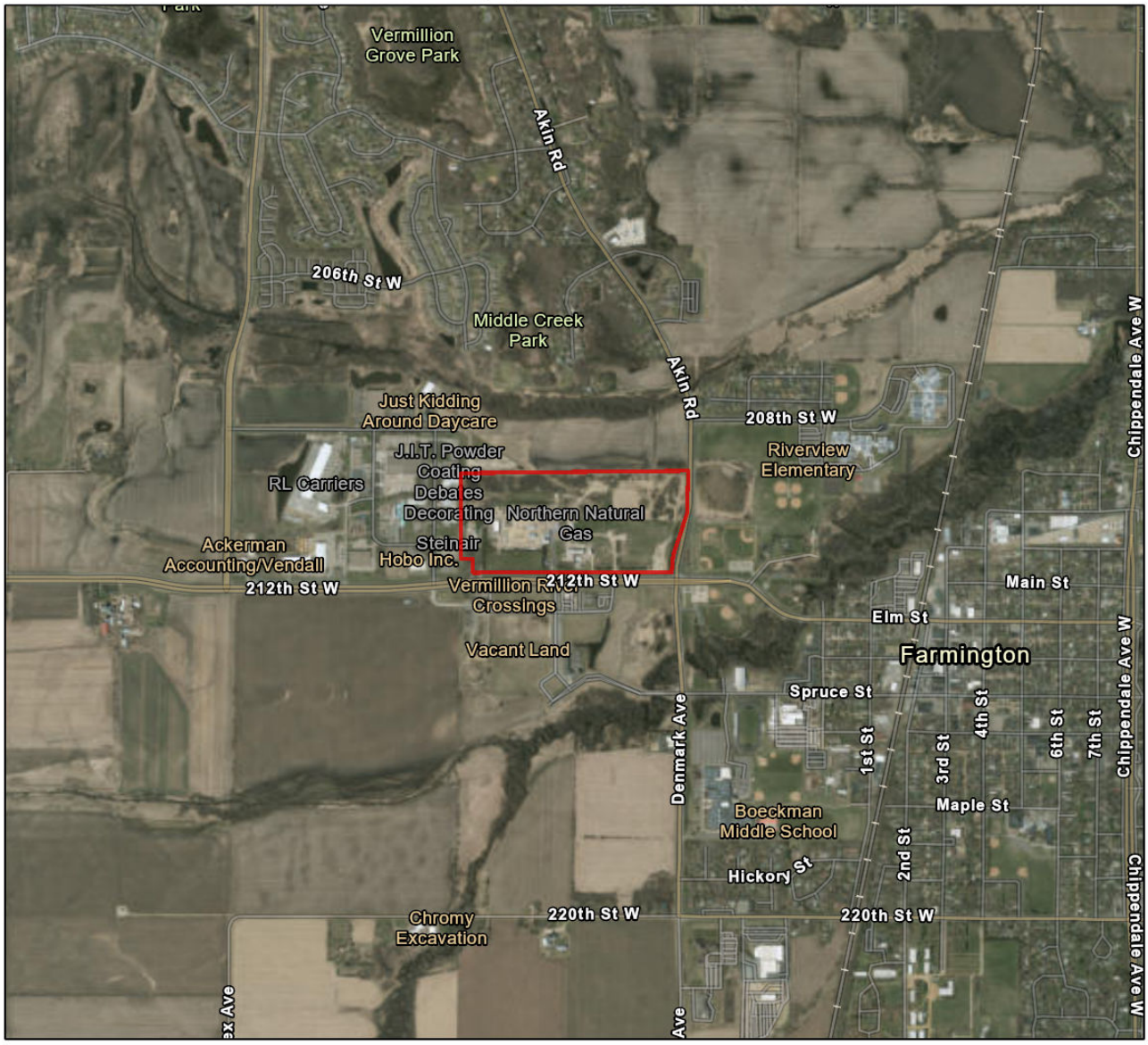
Sincerely,

Samantha Bump
Natural Heritage Review Specialist
Samantha.Bump@state.mn.us

Links: USFWS Information for Planning and Consultation (IPaC) tool
Information for Planning and Consultation (IPaC) tool
DNR Regional Environmental Assessment Ecologist Contact Info
https://www.dnr.state.mn.us/eco/ereview/erp_regioncontacts.html

Farmington Compressor Station Improvements

Aerial Imagery With Locator Map



N
W E
S

0 0.130.25 0.5 0.75 1 Miles

Project Boundary

Project Type: Utilities, Pipelines (gas, petroleum)

Project Size (acres): 69.83

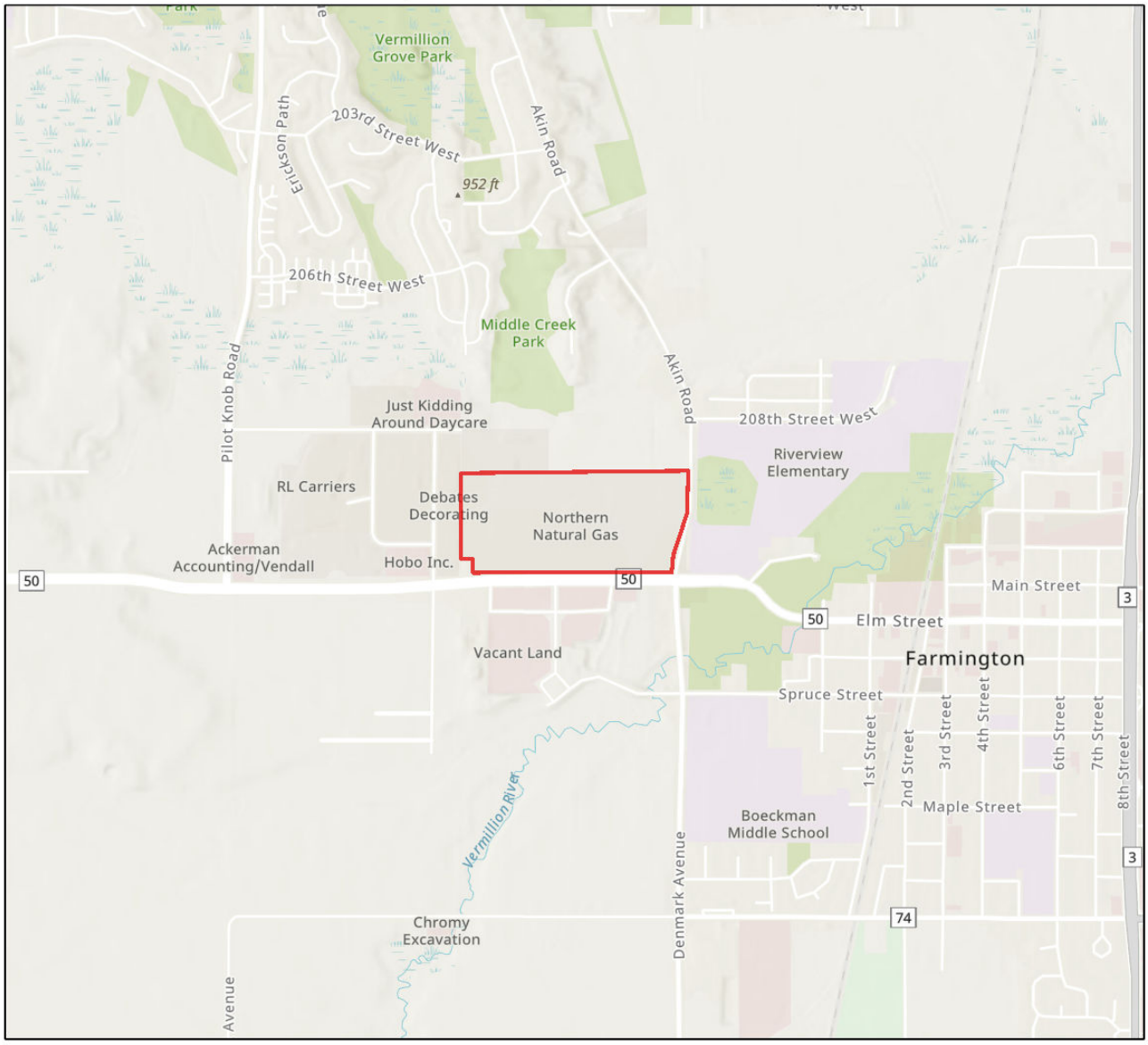
County(s): Dakota

TRS: T114 R20 S36

Dakota County, Maxar
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA
County of Dakota, Metropolitan Council, MetroGIS, Esri, HERE, Garmin,

Farmington Compressor Station Improvements

USA Topo Basemap With Locator Map



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Esri, NASA, NGA, USGS, FEMA
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA
County of Dakota, Metropolitan Council, MetroGIS, Esri, HERE, Garmin,

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Dakota County, Minnesota

Local office

Minnesota-Wisconsin Ecological Services Field Office

(952) 252-0092
(952) 646-2873

4101 American Blvd E
Bloomington, MN 55425-1665

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Oct 15 to Aug 31
Chimney Swift Chaetura pelagica This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Prothonotary Warbler Protonotaria citrea This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31

Red-headed Woodpecker Melanerpes erythrocephalus — Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Rusty Blackbird Euphagus carolinus — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

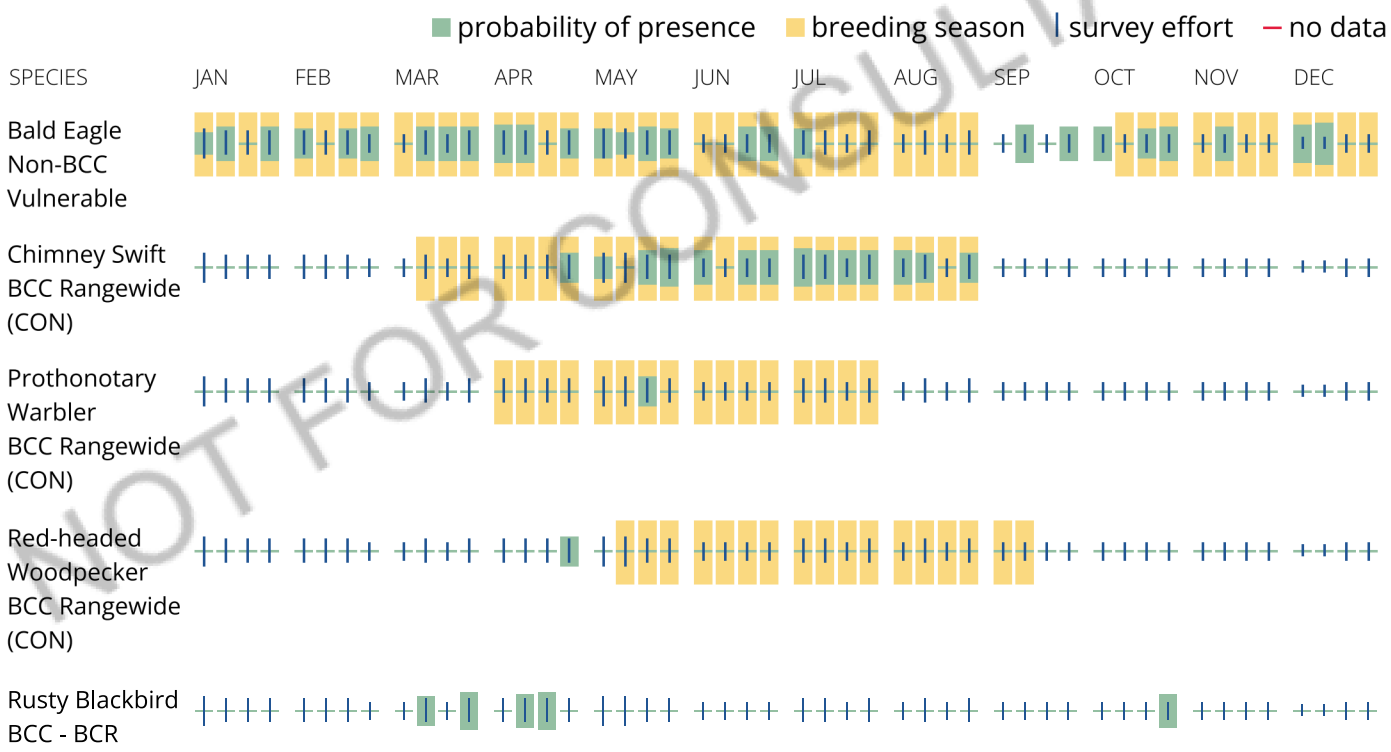
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Coastal Barrier Resources System

Projects within the John H. Chafee Coastal Barrier Resources System (CBRS) may be subject to the restrictions on federal expenditures and financial assistance and the consultation requirements of the Coastal Barrier Resources Act (CBRA) (16 U.S.C. 3501 et seq.). For more information, please contact the local Ecological Services Field Office or visit the CBRA Consultations website. The CBRA website provides tools such as a flow chart to help determine whether consultation is required and a template to facilitate the consultation process.

There are no known coastal barriers at this location.

Data limitations

The CBRS boundaries used in IPaC are representations of the controlling boundaries, which are depicted on the official CBRS maps. The boundaries depicted in this layer are not to be considered authoritative for in/out determinations close to a CBRS boundary (i.e., within the "CBRS Buffer Zone" that appears as a hatched area on either side of the boundary). For projects that are very close to a CBRS boundary but do not clearly intersect a unit, you may contact the Service for an official determination by following the instructions here: https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation

Data exclusions

CBRS units extend seaward out to either the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS data, therefore projects in the offshore areas of units (e.g., dredging, breakwaters, offshore wind energy or oil and gas projects) may be subject to CBRA even if they do not intersect the CBRS data. For additional information, please contact CBRA@fws.gov.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Attachment E

SHPO Query

Sejkora, Erin

From: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Sent: Wednesday, November 2, 2022 4:22 PM
To: Sejkora, Erin
Subject: RE: Farmington Compressor Station EAW - Database Query
Attachments: History.xls

Hello Erin,

Please see attached. Our database has no archaeological records for the given project area.

Jim

SHPO Data Requests
Minnesota State Historic Preservation Office
50 Sherburne Avenue, Suite 203
Saint Paul, MN 55155
(651) 201-3299
datarequestshpo@state.mn.us

Notice: This email message simply reports the results of the cultural resources database search you requested. The database search is only for previously known archaeological sites and historic properties. **IN NO CASE DOES THIS DATABASE SEARCH OR EMAIL MESSAGE CONSTITUTE A PROJECT REVIEW UNDER STATE OR FEDERAL PRESERVATION LAWS –** please see our website at https://mn.gov/admin/shpo/protection/ for further information regarding our Environmental Review Process.
Because the majority of archaeological sites in the state and many historic/architectural properties have not been recorded, important sites or properties may exist within the search area and may be affected by development projects within that area. Additional research, including field surveys, may be necessary to adequately assess the area's potential to contain historic properties or archaeological sites.
Properties that are listed in the National Register of Historic Places (NRHP) or have been determined eligible for listing in the NRHP are indicated on the reports you have received, if any. The following codes may be on those reports:
NR – National Register listed. The properties may be individually listed or may be within the boundaries of a National Register District.
CEF – Considered Eligible Findings are made when a federal agency has recommended that a property is eligible for listing in the National Register and MN SHPO has accepted the recommendation for the purposes of the Environmental Review Process. These properties need to be further assessed before they are officially listed in the National Register.
SEF – Staff eligible Findings are those properties the MN SHPO staff considers eligible for listing in the National Register, in circumstances other than the Environmental Review Process.
DOE – Determination of Eligibility is made by the National Park Service and are those properties that are eligible for listing in the National Register, but have not been officially listed.
CNEF – Considered Not Eligible Findings are made during the course of the Environmental Review Process. For the purposes of the review a property is considered not eligible for listing in the National Register. These properties may need to be reassessed for eligibility under additional or alternate contexts.
Properties without NR, CEF, SEF, DOE, or CNEF designations in the reports may not have been evaluated and therefore no assumption to their eligibility can be made. Integrity and contexts change over time, therefore any eligibility determination made ten (10) or more years from the date of the current survey are considered out of date and the property will need to be reassessed.
If you require a comprehensive assessment of a project's potential to impact archaeological sites or historic/architectural properties, you may need to hire a qualified archaeologist and/or historian. If you need assistance with a project review, please contact Kelly Gragg-Johnson, Environmental Review Specialist @ 651-201-3285 or by email at kelly.graggjohnson@state.mn.us.

The Minnesota SHPO Archaeology and Historic/Architectural Survey Manuals can be found at https://mn.gov/admin/shpo/identification-evaluation/.

Please subscribe to receive SHPO notices for the most current updates regarding office hours, accessing research files, or changes in submitting materials to the SHPO.

To access historic resource information please visit our webpage on Using SHPO's Files.

From: Sejkora, Erin <Erin.Sejkora@stantec.com>
Sent: Thursday, October 27, 2022 3:29 PM
To: MN_MNIT_Data Request SHPO <DataRequestSHPO@state.mn.us>
Subject: Farmington Compressor Station EAW - Database Query

Good afternoon,

On behalf of Northern Natural Gas, Stantec is preparing an Environmental Assessment Worksheet (EAW) for proposed building removal and maintenance projects planned for the existing Farmington Compressor Station in the City of Farmington in Dakota County, Minnesota. The Project would occur within the previously disturbed, developed site.

Construction of the proposed building removal and equipment maintenance projects would require temporary dewatering. It is anticipated that groundwater dewatering may exceed the 30,000,000 gallon per month threshold established per Minnesota Rules 4410.4300, Subpart 24(A). The Department of Natural Resources (DNR) is the designated Responsible Governmental Unit (RGU) for the EAW.

The Project Area includes **Township 114N, Range 20W, Section 36**. Attached, please also find project location figures.

Could you please provide information regarding any known historic properties and/or other cultural resources on or near the Project Area from the state database of cultural resources and historic properties? Information received will be used in preparation of the EAW.

Please do not hesitate to contact me if you have any questions or require additional information to complete this database review request.

Thank you!

Erin Sejkora, AICP
Project Manager,
Senior Environmental Planner
She/Her

Direct: 763.252.6802
Mobile: 612.258.6937
Erin.Sejkora@stantec.com

Stantec
7500 Olson Memorial Highway Suite 300
Golden Valley MN 55427-4886

DEPARTMENT OF ADMINISTRATION
STATE HISTORIC PRESERVATION OFFICE

April 26, 2022

VIA EMAIL ONLY

Kelly Henry
Division Environmental Specialist
Northern Natural Gas
1120 Centre Pointe Dr, Suite 400
Mendota Heights, MN 55120

RE: Northern Natural Gas Company - M450B Farmington-to-North Branch ILI Mods and M500B Ventura-to-Faribault Pipe Replacement MP 106.76
T114 R20 S36 NE, Dakota County
SHPO Number: 2022-1286

Dear Ms. Henry:

Thank you for the opportunity to comment on the above project. It has been reviewed pursuant to the responsibilities given the State Historic Preservation Officer by Section 106 of the National Historic Preservation Act (54 U.S.C. § 306108) and its implementing federal regulations, "Protection of Historic Properties" (36 CFR Part 800).

Based on available information, we conclude that **no properties** listed in or eligible for listing in the National Register of Historic Places will be affected by this project.

If you have any questions regarding our review of this project, please contact Leslie Coburn, Environmental Review Coordinator, at (651) 201-3286 or leslie.coburn@state.mn.us.

Sincerely,

Sarah J. Beimers
Environmental Review Program Manager

Minnesota Historical Society

Using the Power of History to Transform Lives
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STATE HISTORIC PRESERVATION OFFICE

June 14, 2017

Kelly Henry
Division Environmental Specialist
Northern Natural Gas
1120 Centre Pointe Dr, Suite 400
Mendota Heights, MN 55120

RE: Northern Natural Gas Company – Farmington Unit No. 6 Discharge Project and M500B-26"-H-N17 Farmington Compressor Station Project
Dakota County
SHPO Number: 2017-2052

Dear Ms. Henry:

Thank you for the opportunity to comment on the above project. It has been reviewed pursuant to the responsibilities given the State Historic Preservation Officer by Section 106 of the National Historic Preservation Act of 1966 and implementing federal regulations at 36 CFR 800.

Based on available information, we conclude that **no properties** listed in or eligible for listing in the National Register of Historic Places will be affected by this project.

Please contact our Compliance Section at (651) 259-3455 if you have any questions regarding our review of this project.

Sincerely,

Sarah J. Beimers

Sarah J. Beimers, Manager
Government Programs and Compliance

Attachment F

Greenhouse Gas Calculations

Environmental Assessment Worksheet
Northern Natural Gas
Construction GHG Emission Calculations

Table I-1 Total Construction Emission Estimates

Project Name	Project Year	Pollutant			
		CO_2	Methane	Nitrogen Dioxide	CO_{2e}
Farmington Station Gas Cooler Addition (2023)	2023	434.4	0.0	0.0	438.4
Compressor Building #1 Removal (2023)	2023	3408.1	0.2	0.1	3439.2
Mainline Odorizer Replacement (2023)	2023	735.1	12.4	0.0	1051.0
M451B Farmington to Portland Mainline Replacement (2023)	2023	274.0	24.8	0.0	894.9
Farmington Compressor Drive through Parking for Building #2 (2028)	2028	274.0	0.0	0.0	276.5
Farmington C-Line Chromatograph Insertion Sampling Probe Replacement (2030)	2030	45.8	0.0	0.0	46.3
	TOTAL (tons)	5171.3	37.4	0.1	6146.2

Environmental Assessment Worksheet
Northern Natural Gas
Construction GHG Emission Calculations

Table I-2 Construction Equipment Schedule

Farmington Station Gas Cooler Addition (2023)

	Pipeline			Total Hours	Maximum	Load	Loaded
Equipment	Quantity	Hrs/Wk	Weeks Used	Equipment Usage	Power (HP)	Factor	Power (HP)
Backhoe	2	60	8	960	75	0.21	16
Compactor	2	60	8	960	300	0.55	165
Concrete Mixer Truck	1	40	8	320	150	0.43	65
Dump Truck	4	60	8	1920	325	0.59	192
Excavator	1	40	8	320	138	0.59	81
Pickup Trucks	12	40	8	3,840	250	0.59	148

Assumes two month project schedule, four weeks per month
EPA 420-P-04-009, Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition , USEPA, April 2004 - Tier 2 Engines
Load Factors from Appendix A of *EPA 420_P-04-005, Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling* , USEPA, April 2004

Compressor Building #1 Removal (2023)

	Pipeline			Total Hours	Maximum	Load	Loaded
Equipment	Quantity	Hrs/Wk	Weeks Used	Equipment Usage	Power (HP)	Factor	Power (HP)
Compactor	1	40	8	320	300	0.55	165
Concrete Mixer Truck	1	40	8	320	150	0.43	65
Grader	2	60	8	960	140	0.64	90
Pickup Trucks	12	40	8	3,840	250	0.59	148
Sweeper	1	40	8	320	12	0.43	5

Assumes two month project schedule, four weeks per month
EPA 420-P-04-009, Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition , USEPA, April 2004 - Tier 2 Engines
Load Factors from Appendix A of *EPA 420_P-04-005, Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling* , USEPA, April 2004

Mainline Odorizer Replacement (2023)

	Pipeline			Total Hours	Maximum	Load	Loaded
Equipment	Quantity	Hrs/Wk	Weeks Used	Equipment Usage	Power (HP)	Factor	Power (HP)
Air Compressor	2	60	7.1	857	310	0.56	174
Backhoe	2	60	7.1	857	75	0.21	16
Cuttings Cleaner System	2	60	7.1	857	300	0.59	177
Dozers	2	60	7.1	857	410	0.59	242
Dump Truck	4	60	7.1	1714	325	0.59	192
Grader	2	60	7.1	857	140	0.64	90
Pickup Trucks	12	40	7.1	3429	250	0.59	148
Scrapper	2	60	7.1	857	488	0.59	288
SideBoom	4	60	7.1	1714	240	0.59	142
Water / Fuel Truck	2	40	7.1	571	250	0.59	148

Assumes 50 day project schedule
EPA 420-P-04-009, Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition , USEPA, April 2004 - Tier 2 Engines
Load Factors from Appendix A of *EPA 420_P-04-005, Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling* , USEPA, April 2004

M451B Farmington to Portland Mainline Replacement (2023)

	Pipeline			Total Hours	Maximum	Load	Loaded
Equipment	Quantity	Hrs/Wk	Weeks Used	Equipment Usage	Power (HP)	Factor	Power (HP)
Air Compressor	2	60	4.6	549	310	0.56	174
Backhoe	2	60	4.6	549	75	0.21	16
Cuttings Cleaner System	2	60	4.6	549	300	0.59	177
Dozers	2	60	4.6	549	410	0.59	242
Dump Truck	4	60	4.6	1097	325	0.59	192
Grader	2	60	4.6	549	140	0.64	90
Pickup Trucks	12	40	4.6	2194	250	0.59	148
Scrapper	2	60	4.6	549	488	0.59	288
SideBoom	4	60	4.6	1097	240	0.59	142
Water / Fuel Truck	2	40	4.6	366	250	0.59	148

Assumes 32 day project schedule
EPA 420-P-04-009, Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition , USEPA, April 2004 - Tier 2 Engines
Load Factors from Appendix A of *EPA 420_P-04-005, Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling* , USEPA, April 2004

Farmington Compressor Drive through Parking for Building #2 (2028)

	Pipeline			Total Hours	Maximum	Load	Loaded
Equipment	Quantity	Hrs/Wk	Weeks Used	Equipment Usage	Power (HP)	Factor	Power (HP)
Compactor	1	40	8	320	300	0.55	165
Concrete Mixer Truck	1	40	8	320	150	0.43	65
Grader	2	60	8	960	140	0.64	90
Pickup Trucks	12	40	8	3,840	250	0.59	148
Sweeper	1	40	8	320	12	0.43	5

Assumes two month project schedule, four weeks per month
EPA 420-P-04-009, Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition , USEPA, April 2004 - Tier 2 Engines
Load Factors from Appendix A of *EPA 420_P-04-005, Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling* , USEPA, April 2004

Farmington C-Line Chromatograph Insertion Sampling Probe Replacement (2030)

	Pipeline			Total Hours	Maximum	Load	Loaded
Equipment	Quantity	Hrs/Wk	Weeks Used	Equipment Usage	Power (HP)	Factor	Power (HP)
Excavator	1	40	8	320	138	0.59	81
Pickup Trucks	4	40	8	1,280	250	0.59	148

Assumes two month project schedule, four weeks per month
EPA 420-P-04-009, Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition , USEPA, April 2004 - Tier 2 Engines
Load Factors from Appendix A of *EPA 420_P-04-005, Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling* , USEPA, April 2004

Environmental Assessment Worksheet
Northern Natural Gas
Construction GHG Emission Calculations

Table I-3 Construction Equipment Engine Emissions

	Total Hours	Loaded	GHG Emission Factors (g/hp-hr)			GHG Emissions (tons)			
Equipment	**Equipment Usage**	**Power (HP)**	**CO_2**	**Methane**	**N_2O**	**CO_2**	**Methane**	**N_2O**	**CO_{2e}**
Farmington Station Gas Cooler Addition (2023)									
Backhoe	960	75	194	0.011	0.005	15	0.001	0.000	16
Compactor	960	300	194	0.011	0.005	61	0.003	0.002	62
Concrete Mixer Truck	320	150	194	0.011	0.005	10	0.001	0.000	10
Dump Truck	1,920	325	194	0.011	0.005	133	0.008	0.003	134
Excavator	320	138	194	0.011	0.005	9	0.001	0.000	10
Pickup Trucks	3,840	250	194	0.011	0.005	205	0.01	0.01	207
Compressor Building #1 Removal (2023)						434	0.02	0.01	438
Compactor	320	320	194	0.011	0.005	22	0.001	0.001	22
Concrete Mixer Truck	320	320	194	0.011	0.005	22	0.001	0.001	22
Grader	960	960	194	0.011	0.005	197	0.011	0.005	198
Pickup Trucks	3,840	3,840	194	0.011	0.005	3146	0.179	0.081	3175
Sweeper	320	320	194	0.011	0.005	22	0.001	0.001	22
Mainline Odorizer Replacement (2023)						3408	0.19	0.09	3439
Air Compressor	857	310	194	0.011	0.005	57	0.003	0.001	57
Backhoe	857	75	194	0.011	0.005	14	0.001	0.000	14
Cuttings Cleaner System	857	300	194	0.011	0.005	55	0.003	0.001	55
Dozers	857	410	194	0.011	0.005	75	0.004	0.002	76
Dump Truck	1,714	325	194	0.011	0.005	119	0.007	0.003	120
Grader	857	140	194	0.011	0.005	26	0.001	0.001	26
Pickup Trucks	3,429	250	194	0.011	0.005	183	0.010	0.005	185
Scrapper	857	488	194	0.011	0.005	89	0.005	0.002	90
SideBoom	1,714	240	194	0.011	0.005	88	0.005	0.002	89
Water / Fuel Truck	571	250	194	0.011	0.005	30	0.002	0.001	31
M451B Farmington to Portland Mainline Replacement (2023)						735	0.04	0.02	742
Air Compressor	549	174	194	0.011	0.005	20	0.001	0.001	21
Backhoe	549	16	194	0.011	0.005	2	0.000	0.000	2
Cuttings Cleaner System	549	177	194	0.011	0.005	21	0.001	0.001	21
Dozers	549	242	194	0.011	0.005	28	0.002	0.001	29
Dump Truck	1,097	192	194	0.011	0.005	45	0.003	0.001	45
Grader	549	90	194	0.011	0.005	10	0.001	0.000	11
Pickup Trucks	2,194	148	194	0.011	0.005	69	0.004	0.002	70
Scrapper	549	288	194	0.011	0.005	34	0.002	0.001	34
SideBoom	1,097	142	194	0.011	0.005	33	0.002	0.001	33
Water / Fuel Truck	366	148	194	0.011	0.005	12	0.001	0.000	12
Farmington Compressor Drive through Parking for Building #2 (2028)						274	0.02	0.01	276
Compactor	320	165	194	0.011	0.005	11	0.001	0.000	11
Concrete Mixer Truck	320	65	194	0.011	0.005	4	0.000	0.000	4
Grader	960	90	194	0.011	0.005	18	0.001	0.000	19
Pickup Trucks	3,840	148	194	0.011	0.005	121	0.007	0.003	122
Sweeper	320	5	194	0.011	0.005	0	0.000	0.000	0
Farmington C-Line Chromatograph Insertion Sampling Probe Replacement (2030)						155	0.01	0.004	157
Excavator	320	81	194	0.011	0.005	6	0.000	0.000	6
Pickup Trucks	1,280	148	194	0.011	0.005	40	0.002	0.001	41
						46	0.003	0.001	46

TOTALS	**5,053**	**0.29**	**0.13**	**5,099**

EPA 420-P-04-009, *Exhaust and Crankcase Emission Factors for Nonroad Engine Modeling - Compression Ignition* , USEPA, April 2004 - Tier 2 Engines
Load Factors from Appendix A of EPA 420_P-04-005, *Median Life, Annual Activity, and Load Factor Values for Nonroad Engine Emissions Modeling* , USEPA,

Environmental Assessment Worksheet
Northern Natural Gas
Construction GHG Emission Calculations

Table I-4 Project Purge Emission Estimates

Operation	Blowdown Type	Blowdown loss per Type (scf)	Density of Natural Gas (lb/scf)	% VOC in Nautral Gas	VOC Emissions (ton)	Methane Emissions (ton)	Methane Emissions (ton CO2e)
Mainline Odorizer Replacement (2023)	One-time Purge	500,000	0.050	1.05%	0.1	12.4	309
M451B Farmington to Portland Mainline Replacement (2023)	One-time Purge	1,000,000	0.050	1.05%	0.3	24.7	618