



Harmony Storage – Preliminary Emergency Response Plan

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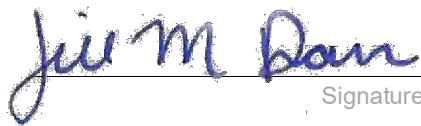
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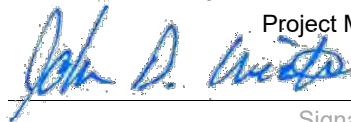
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Table of Contents

1	Introduction	1
1.1	Purpose	1
1.2	Site Information	1
1.3	Plan Review and Revision	2
2	Facility Information	2
2.1	Staffing	2
2.2	Emergency Contacts	2
2.3	Site Access	3
3	System Overview	4
3.1	Potential Hazards & Failure Modes	4
3.2	Electrical Hazards	4
3.3	Fire Incidents	4
	3.3.1 Vegetation	5
	3.3.2 Electrical Equipment	5
	3.3.3 BESS	5
4	Hazardous Materials	6
4.1	Hazardous Materials and Spill Prevention, Control and Countermeasures Plan	6
5	Emergency Response Procedures	7
5.1	Remote Site Monitoring	7
5.2	Site Evaluation	7
	5.2.1 Site Assessment and Notification	7
	5.2.2 Site Evacuation for Potential Evacuation	8
	5.2.3 Emergency Communication Strategies	8
5.3	Medical Emergency	9
6	Communication, Training and Exercise	9
6.1	Communication	9
6.2	Training/Orientation	9
6.3	Exercise	9

List of Tables

Table 1. Internal Emergency Contacts	2
Table 2. External Emergency Contacts.	3

List of Appendices

Appendix A Figures/Maps

- A.1 Project Location
- A.2 Site Access Points and Muster Point

Appendix B Directions to/from Project Site

- B.1 Directions to Hospital
- B.2 Directions from nearby Fire Departments

1 Introduction

The Following Document is intended to provide a Preliminary Emergency Response Plan (ERP) for the Harmony Storage Project. It will be updated once the final engineering design for the Project has been completed. The ERP will also be periodically updated throughout the life of the Project to maintain the most up to date information regarding site safety concerns and emergency response.

1.1 Purpose

The purpose of this Emergency Response Plan (ERP) is to provide employees, visitors and first responders with general awareness of the associated risks, hazards, and general emergency response techniques related to battery energy storage system (BESS) at the Harmony Storage (Project) facility during construction and its operations period. The ERP shall be used as a guideline for Cass County, Harmony Township, and the local fire emergency services to agree on a planned response to emergency situations as they may occur on site from time to time during the normal course of operation.

This ERP provides emergency contact information and outlines procedures to mitigate and effectively how to respond to an emergency should one arise at the Harmony Storage facility.

This ERP is a guide to further develop onsite training and operation of the Project. The success or failure of all emergency plans depends upon effective training, applying all applicable laws and codes are applied, continual (e.g., annual) review of this ERP, and execution of the response.

1.2 Site Information

Harmony Storage, LLC (Harmony Storage), a subsidiary of Geronimo Power, LLC, is a proposed 200-megawatt (MW) battery energy storage system (BESS) with a four-hour (800 MWh) duration to store excess energy in the Township of Harmony, Cass County, North Dakota (see Appendix A.1). The Project will connect to the existing Harmony Solar 230-kilovolt (kV) collector substation via underground 34.5 kV collection lines.

The Project and associated facilities will be located on approximately eight (8) acres within the 75 acre Project Area (Project Boundary). Project components would include BESS units with associated inverters, transformers, underground cables, and other ancillary facilities, such as fencing, roads, and stormwater facilities. Harmony Storage expects construction to start in the second quarter of 2027 with commercial operation anticipated in the fourth quarter of 2028. The anticipated lifespan of the Project is 30 years.

The main access route to the Project will be Interstate 94. Secondary access to Project facilities will be via county and local roadways. Figures depicting the primary and secondary access roads and the preliminary layout for the Project Site are included in Appendix A.

The following are major Project components:

- Transformers and inverters: convert electricity from DC to AC.
- 34.5 kV substation and overhead gen-tie line
- BESS Units and foundations
- Perimeter fencing
- Site Access and Internal Roads
- Electrical cabling and conduits

1.3 Plan Review and Revision

The current facility layout is included in Appendix A.2. This layout is preliminary and will be updated when the final design is complete or at any point when the facility design changes.

A review of this emergency response plan shall be conducted and documented at minimum on an annual basis. The plan shall also be reviewed and amended whenever there is a change to the facility layout, construction, operation, or maintenance that affects emergency response planning. When outside resources are changed or modified the plan shall be reviewed and updated to reflect the changes that may affect this plan.

2 Facility Information

2.1 Staffing

The Harmony Storage site will be staffed with one (1) Plant/Area Manager and three (3) to five (5) Technicians on-site during standard business hours to operate the facility's day to day operations. Standard business hours will be from 7AM to 4PM Monday through Friday with 24/7 remote monitoring by Geronimo Power Remote Operations Center located in Bloomington, Minnesota. The technicians working at the Harmony Storage site will also be supporting the Solar site as well.

During non-business hours the gates will be locked preventing access to site.

2.2 Emergency Contacts

Table 1. Internal Emergency Contacts.

Title	Name/Company	Phone	Email
Geronimo Power ROC	TBD		
Plant/Area Manager	TBD		
Regional Director	TBD		
Regional EHS Lead	TBD		

Table 2. External Emergency Contacts.

Contacts	Address	Phone Number
Emergency Fire/Paramedic/Police	-	911
Mapleton Fire Department	651 2nd St. Mapleton, ND 58059	(701) 793-8008
Casselton Rural Fire Department*	121 Langer Ave N, Casselton, ND 58012	701-347-4026
West Fargo Rural Fire Department	106 1st St, West Fargo, ND 58078	701-866-1385
City of Fargo Hazardous Materials Division	-	800-472-2121
Cass County Non-Emergency Dispatch Center	-	701-451-7660
North Dakota State Watch Center	-	800-328-8100
Sanford Medical Center	5225 23rd Ave S, Fargo, ND 58104	701-417-2000

*Project Site is within the Casselton Rural Fire Department District. Nearby fire department districts include Mapleton and West Fargo.

2.3 Site Access

Harmony Storage Project Boundary will be surrounded by a perimeter fence with two controlled points of ingress and egress to the Project. Designated points of ingress and egress will occur at secured access gates which are identified on the site map in Appendix A.2. The location of these access points will be updated as necessary after final design and engineering are complete.

The site's interior access roads will be maintained to provide accessibility to the site by operators and emergency personnel, even during inclement weather. The Contractor or the operations team will be responsible for maintenance and housekeeping activities during construction and operation. Operations personnel will support the Project from the O&M building which will be constructed as part of the separate Harmony Solar Project. The 911 address of the O&M building is unknown at this time. Once an address is determined during final design, this ERP will be updated.

Harmony Storage will coordinate with local emergency response agencies on an approved method for them to access the Project during an emergency event. Each emergency response agencies will be provided with the most recent version of this ERP and its supporting materials with full details.

3 System Overview

Harmony Storage includes a 200-MW, four-hour duration BESS facility. The Project will connect to the existing Harmony Solar 230-kilovolt (kV) collector substation via underground 34.5 kV collection lines.

3.1 Potential Hazards & Failure Modes

Potential hazards that can occur while working on a BESS facility deal with electricity and fires associated with the electrical equipment or vegetation. Vegetation, like grass or brush around the facility, can catch on fire due to results of electrical failure or other external influences.

It should be noted that batteries are typically safe, but under hazardous conditions or failure modes, they can release toxic gases or cause a fire. Placement and safety conditions shall reflect the manufacturer's recommendations.

Other hazards more specific to electrical equipment including but not limited to BESS equipment are electrical shock and arc flash. When dealing with the BESS equipment, only qualified and authorized electrical personnel shall work on the BESS equipment.

3.2 Electrical Hazards

The following items are potential electrical hazards to consider at the Project site or near the Project site where the collection line ties into the BESS.

- Electrical equipment, including but not limited to collection lines, inverters, transformers, etc., is always energized and shall be treated as such.
- Even if a BESS unit is disconnected, the batteries will still be energized with stored energy and shall be treated as such.
- No trench or excavation work shall be completed within the facility without coordination with the Safety Manager as there are numerous buried electrical collection systems below grade.

Final design will incorporate all national and manufacturer electrical safety measures.

3.3 Fire Incidents

The following are the different types of fires that may occur at the Project site with specific information regarding fire response depending on the fire type. The different types of fires described below are vegetation, electrical equipment, and BESS fires. The Project will work with local emergency response organizations to determine the most effective response for a fire emergency. The Safety Manager / Remote Monitoring / Contractor or local passerby will use 911 as the immediate first call.

3.3.1 Vegetation

Vegetation will be maintained within and around the perimeter fence, and around the electrical equipment pads. Vegetation is considered combustible. If a fire initiates from nearby or on site, the flying embers could initiate a vegetation fire. The fire would be low in intensity but would be fast moving. Historically, Cass County is a considerably windy area and has a higher than average susceptibility of fast spreading fires. The fire would most likely be a relatively short-duration fire as the vegetation would be rapidly consumed.

It is recommended to take a defensive approach to prevent fire from spreading beyond the Project area. To reduce the risk of a fire, it is recommended that vegetation be maintained at a short height by mowing or trimming the vegetation. Vegetation can also be maintained with herbicide application as an additional step. Harmony Storage will follow the vegetation management plan that was provided in the North Dakota Public Service Commission application.

In the event of a vegetation fire, it is recommended that emergency first responders should respond to the location and based on their established procedures evaluate the fire incident to determine the correct action. Details of this response will continue to be added as the Project and local first responders further develop this plan.

3.3.2 Electrical Equipment

When electrical equipment, including but is not limited to inverters, transformers, etc., suffers a failure (i.e., electrical shock, overheating or arc flash). This could result in an equipment fire.

In the event a piece of electrical equipment catches fire, the on-scene incident commander and/or County Emergency Management Director shall make the decision of how to respond to the emergency incident. Water shall not be sprayed on burning electrical equipment but can be used to cool adjacent areas near the burning equipment to prevent fire from spreading. The equipment is already burning and will need to be replaced, so the equipment shall be left to self-consume to reduce the risk to personnel. However, the on-scene incident commander shall make the final decision as to the correct measures to be undertaken to extinguish an electrical equipment fire. Harmony Storage will include electrical equipment fire safety manuals as an Appendix to this ERP when final equipment selection is completed at final design.

To help improve the ability to evaluate and access electrical equipment during a fire incident, should the need arise, the internal site access roads are designed to be 26 feet wide to accommodate emergency vehicle accessibility. The North Dakota Fire Code recommends a fire lane shall have a minimum unobstructed width of 20 feet. The main access gates shall also have an unobstructed clearance of 20 feet and an unobstructed vertical clearance of not less than 13 feet 6 inches for emergency vehicle access.

3.3.3 BESS

A specific potential hazard associated with BESS units is the possibility of thermal runaway occurring due to a malfunctioning or damaged battery. Thermal runaway is a rapid, uncontrolled increase in temperature within a system. The first potential indication of thermal runaway is venting of gases. If gases or smoke are

observed leaving a BESS unit, the area should be evacuated as the venting gases are likely flammable and could ignite unexpectedly.

In this scenario, the on-scene incident commander and/or County Emergency Management Director shall make the decision of how to respond to the emergency incident. Water shall not be sprayed on the BESS units but can be used to cool adjacent areas near the burning equipment to prevent fire from spreading. The equipment is already burning and shall be replaced, so the equipment shall be left to self-consume to reduce the risk to personnel. However, the on-scene incident commander shall make the final decision as to the correct measures to be undertaken to extinguish a BESS fire. Harmony Storage will include BESS equipment fire safety manuals as an Appendix to this ERP when final equipment selection is completed at final design.

4 Hazardous Materials

If hazardous materials are on site, procedures will be outlined regarding management of containers with hazardous materials, best practices in safely handling these materials, secondary containment of materials, and marking/labeling materials based on their specific Safety Data Sheets (SDS) and manufacturer specifications. SDS for all site equipment. As these SDS are gathered, they will be included as an Appendix to this ERP (not included at this time) and provided to the emergency contacts listed in Section 2.2.

4.1 Hazardous Materials and Spill Prevention, Control and Countermeasures Plan

Harmony Storage will require that a Spill Prevention, Control, and Countermeasures (SPCC) Plan be provided by the awarded contractor for the Project. The SPCC Plan will outline the procedures and preventative measures that will be followed throughout the construction period.

Project personnel, the main construction contractor, and any other personnel on site will be required to comply with the plan. At a minimum the SPCC Plan will identify the following:

- Typical fuels, chemicals, lubricants, and paints to be used or stored in the Project Area.
 - Potential hazardous chemicals may include diesel fuel, gasoline, fuel, oil, grease, spray paint, and galvanized paint.
- Methods and location of storage.
- Locations designated for lubrication and refueling (i.e., outside of sensitive resource areas)
- Preventative measures to be used to minimize potential impacts.
- Mitigation methods to be employed should a spill occur.
- Location of construction spill kits (gloves, booms, sorbents, barrier materials, etc.)
- Emergency notification procedures and forms.
- Contact information for individuals requiring notification if a spill should occur.

5 Emergency Response Procedures

All Project personnel entering the Harmony Storage site are to be trained and knowledgeable in emergency response protocol. No employee is required or permitted to place himself or herself in danger of harm in order to facilitate extinguishment, evacuation or rescue. All rescue operations will be performed by trained professionals.

There are no municipal hydrants located in this area. Water for firefighting operations will come from a combination of fire department apparatus from the fire departments and mutual aid partners capable of carrying water to the incident scene. Local fire department knowledge of the area will also be utilized for securing a fill site to sustain water supply if needed.

Water should be used to protect adjacent exposures, such as homes, forested areas, and adjacent equipment, as needed, to limit the potential of the fire spreading.

5.1 Remote Site Monitoring

Harmony Storage will be monitored remotely 24 hours per day, 7 days per week via the Project's Supervisory Control and Data Acquisition (SCADA) system. This system constantly monitors energy output and performance at the Project and can help identify any potential issues at the Project site before they become an emergency. If abnormalities in Project function are detected, the Project can dispatch personnel to the site for investigation and to determine the type of needed response, if any. A remote operations center is staffed 24/7, and the personnel in this operations center can remotely isolate the Project or portions of the Project from the grid if issues are detected.

Harmony Storage staff members will be notified immediately on any inconsistencies with the facility operations from the remote operations center. Any deviation of concern, the facility's on-site staff will notify emergency personnel immediately.

5.2 Site Evaluation

In the event that an emergency situation is identified, either through control panel notification, visual identification, or remote monitoring, the following general emergency response measures shall be initiated.

5.2.1 Site Assessment and Notification

If a threat or potential threat to life or safety is identified, the following steps shall be taken:

1. Call 911 immediately to summon the aid of public safety responders.
2. Assess the situation to determine potential safety concerns to life and the environment, with life safety as the priority.
3. Notify the Safety Manager (see Table 1) of the identified emergency situation.

Harmony Storage Emergency Response Plan

5 Emergency Response Procedures

4. The Safety Manager will also notify emergency services directly (see Table 2).
 - a. It is important that the information being relayed be specific and identifies, at a minimum, the following:
 - i. Type of emergency services needed
 - ii. Specific BESS container/enclosure, or equipment in question
 - iii. Any isolation process required
 - iv. Any site-specific considerations such as fire, heat, smoke, etc.
 - b. Direct local emergency response personnel to the site entry point(s) identified on the site plan in Appendix A.2.

5.2.2 Site Evacuation for Potential Evacuation

The following are circumstances that may cause an evacuation of site but are not limited to:

- A situation which has the capacity to threaten personnel safety.
- Advice to evacuate from another authority: e.g. Cass County Police or Casselton Rural Fire Department

In the event of a Site Evacuation, the Safety Manager will:

1. Communicate to all employees and visitors that a site evacuation needs to be completed and request all persons to report to the muster area for roll call. The muster area shall be noted on the site map in Appendix A.2.
2. If required, implement emergency plant shutdown procedures.
3. Perform a roll call of all persons expected to be at the muster point.
 - a. Photograph and take visitor logs from the day to be used to identify persons on site.
4. Any unaccounted persons shall be reported to the first responders/emergency services.
5. Request assistance for evacuation transportation if persons are injured.
 - a. *NOTE: this will normally be via 911.*
 - b. Provide details of injured persons to be evacuated (number and severity of injury).
6. Communicate with emergency services as indicated in the following relevant sections.

5.2.3 Emergency Communication Strategies

In the case of an emergency, Safety Manager provides the following means of emergency communication:

- **Cellular Phones/Texting:** Staff personal cell phones will be used when available to communicate externally.
- **Two-way Radios:** These radios may be used internally and externally with O&M staff for every-day communications. These radios will be a means of communication to report any emergency service personnel such as the Fire Dept, County Sheriff, etc.

5.3 Medical Emergency

If a Harmony Storage staff member, contractor, or other Project Site visitor is injured, or an accident occurs on site and standard first aid measures are not enough, 911 shall be called.

The nearest medical facility to the Project site is Sanford Medical Center. A map to the medical facility to the Project site is shown in Appendix B.1.

6 Communication, Training and Exercise

6.1 Communication

Communication notifications to the public on events that take place at the Project facility will be coordinated between Harmony Storage and the County Emergency Management Director. The specific notification effort on the notification radius (i.e. 1 mile) and the way the notifications will be sent out will be provided in an Appendix to this ERP once final design and coordination efforts are completed.

6.2 Training/Orientation

All employees and subcontracts working at the Project site will receive safety training, consistent with the provisions of this ERP, before beginning work on site. All individuals on site at any time during construction or operation will receive safety training upon arrival. The level of safety training will vary depending on the scope of visitor.

Prior to construction and operation, and as requested by local emergency response agencies, Harmony Storage will provide training on this ERP specific to the Project site. Project staff will also provide site tours to familiarize local emergency response agencies with the Project site, if requested.

The training will review this ERP, the site layout and muster point location, and information about equipment and locations of spill kits and the water source, discuss any hazards on site and where these are located, and discuss emergency response in a variety of situations including inclement and extreme weather, fire, medical emergency, and other situations relevant to the site. The training may lead to updates to this ERP, which will be made and distributed to the Emergency Contacts listed in Section 2.2. After the first five years of operation, if additional training is requested due to notable updates being made to emergency response procedures or as requested by Harmony Storage and Local Emergency Response personnel, this effort will be agreed upon by Harmony Storage and the Local Emergency Response personnel. If new technologies are introduced into the Project area, additional training may be required and will be agreed upon by Harmony Storage and Local Emergency Response personnel.

6.3 Exercise

The Safety Manager will carry out emergency response drills on an annual basis and coordinate with emergency response personnel as necessary, including confirmation of all emergency supplies in

Harmony Storage Emergency Response Plan
6 Communication, Training and Exercise

coordination with all external departments involved with the execution of this ERP, to include table-top and full scale exercises.

Appendix A Figures/Maps

A.1 Project Location

A.2 Site Access Points and Muster Point

Appendix B Directions to/from Project Site

B.1 Directions to Hospital

Project Site to Sanford Medical Center

Address: 5225 23rd Ave S, Fargo, ND 58104

Drive 15.1 miles, 19 min



Map data ©2026 Google 1 mi

46.9509828, -97.0683982

Get on I-94 E/US-52 E in Mapleton Township

- 1. Head toward 163rd Ave SE
9 min (6.1 mi)
- 2. Turn right onto 163rd Ave SE
0.8 mi
- 3. Turn left to merge onto I-94 E/US-52 E toward Fargo
5.1 mi
- 0.2 mi

Follow I-94 E/US-52 E to Veterans Blvd in West Fargo. Take exit 347 from I-94 E/US-52 E

- 4. Merge onto I-94 E/US-52 E
8 min (8.6 mi)
- 5. Take exit 347 for 9th St E/Veterans Blvd
8.3 mi
- 0.4 mi

Continue on Veterans Blvd. Take 23rd Ave S to 22nd Ave S/55th St S in Fargo

- 6. Turn right onto Veterans Blvd
2 min (0.4 mi)
- 0.2 mi
- 7. Use the left lane to turn left at the 1st cross street onto 23rd Ave S
0.2 mi
- 8. Turn left onto 22nd Ave S/55th St S
295 ft

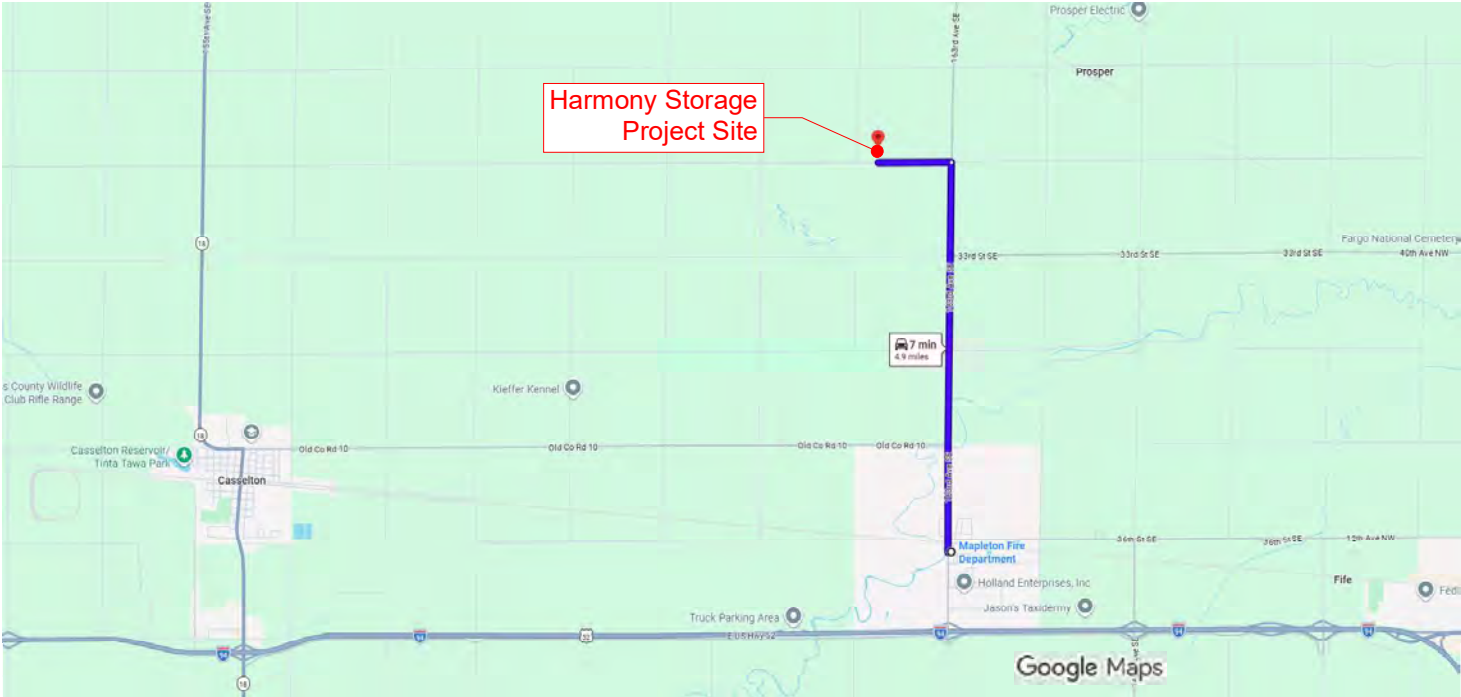
Sanford Medical Center
5225 23rd Ave S, Fargo, ND 58104

B.2 Directions from nearby Fire Departments

Mapleton Fire Department to Project Site

Address: 651 2nd St, Mapleton, ND 58059

Drive 4.9 miles, 7 min



Map data ©2026 Google 2000 ft

Mapleton Fire Department
651 2nd St, Mapleton, ND 58059

- ↑

1. Head toward 163rd Ave SE/Meridian Rd

144 ft
- ↗

2. Turn right onto 163rd Ave SE/Meridian Rd

Continue to follow 163rd Ave SE

4.1 mi
- ↶

3. Turn left onto 32nd St SE

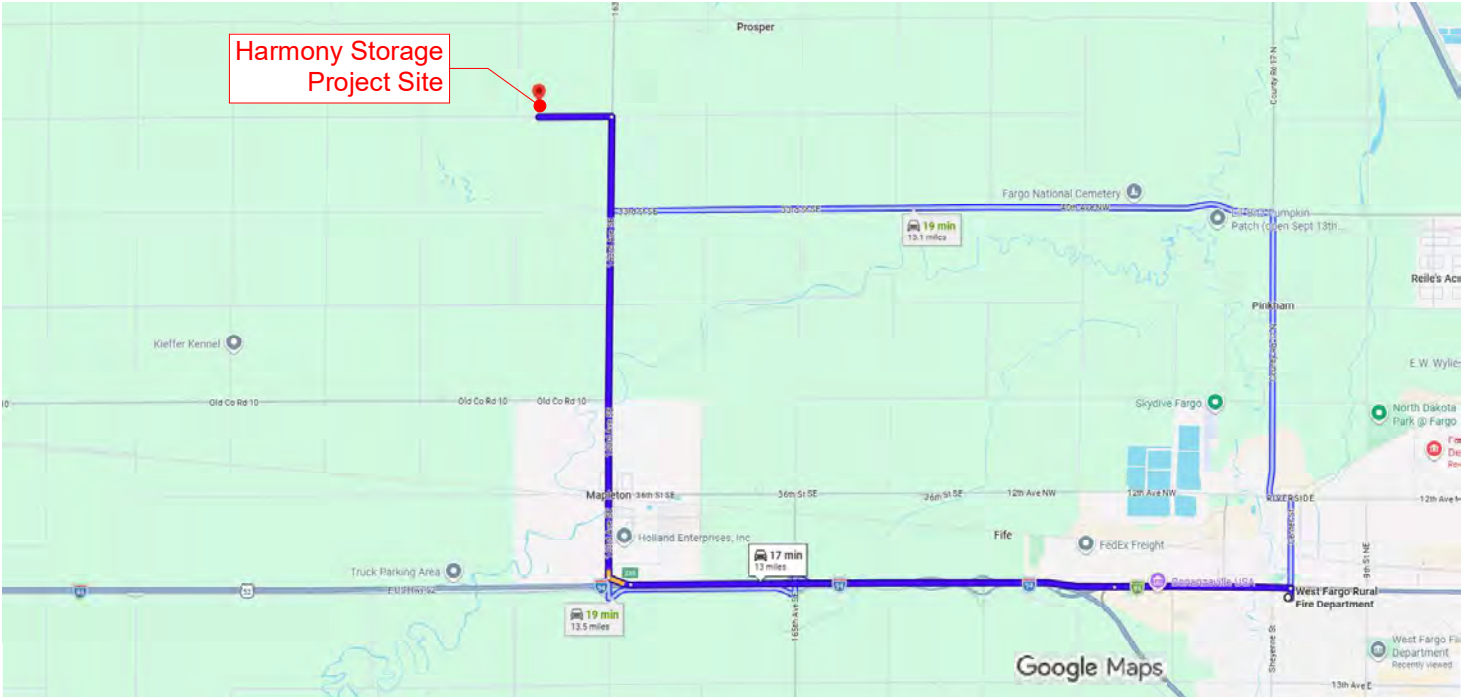
0.8 mi

16299-16201 32nd St SE
Mapleton, ND 58059

West Fargo Rural Fire Department to Project Site

Address: 106 1st St, West Fargo, ND 58078

Drive 13.0 miles, 17 min



West Fargo Rural Fire Department
106 1st St, West Fargo, ND 58078

- 1. Head north on 1st St
0.1 mi
- 2. Turn left onto Main Ave W
1.9 mi
- 3. Slight right to merge onto I-94 W toward Bismarck
5.1 mi
- 4. Take exit 338 toward Mapleton
0.2 mi
- 5. Turn right onto 163rd Ave SE
4.9 mi
- 6. Turn left onto 32nd St SE
0.8 mi

16299-16201 32nd St SE
Mapleton, ND 58059

Casselton Fire Department to Project Site

Address: 121 Langer Ave N, Casselton, ND 58012

Drive 11.5 miles, 13 min



Map data ©2026 Google 2000 ft

Casselton Fire Department
121 Langer Ave N, Casselton, ND 58012

- ↑ 1. Head toward 2nd St N
0.2 mi
- ↘ 2. Turn right onto 5th St N
0.5 mi
- ↑ 3. Continue onto 35th St SE/Old Co Rd 10
Continue to follow Old Co Rd 10
7.0 mi
- ↙ 4. Turn left onto 163rd Ave SE
3.0 mi
- ↙ 5. Turn left onto 32nd St SE
0.8 mi

16299-16201 32nd St SE
Mapleton, ND 58059