Note: Form instructions and definitions will be created to support the report. Instructional guidance and training will be developed. Numbering to be updated based on final approved form.

RECIPIENT NAME	MID AMERICAN ENERGY COMPANY	**OMB Control No.**	OMB Control No. 0660-0052
		Expiration Date	Exp. Date: 2/28/2027

Middle Mile Grant Program Bi-Annual Performance Report								
A. GENERAL INFORMATION								
1a. Recipient Organization:	MID AMERICAN ENERGY COMPANY	**1h. Award Identification Number:**	19-40-MM519					
1b. Recipient Street Address:	106 E 2ND ST FL 3	**1i. Report Date (MM/DD/YYYY):**	06/05/2025					
1c. City, State, and Zip Code:	DAVENPORT, Iowa 52801-1502	**1j. Final Report:**	**Yes**		**No**	X		
1d. Unique Entity Identification (UEI) Number:	EMNUPCWF6N84	**1k. Report Period Start Date (MM/DD/YYYY):**	10/01/2024					
1e. Award Start Date (MM/DD/YYYY):	07/01/2023	**1l. Report Period End Date (MM/DD/YYYY):**	03/31/2025					
1f. Award End Date (MM/DD/YYYY):	06/30/2025							
1g. Name of Person Completing Report:	Michael Griglione							
B. PROJECT NARRATIVE								
Please use the section below to provide a project narrative of the project(s). This section aims to help reviewers better understand what project is being proposed and steps taken to achieve this goal.								
2a. A brief description of the recipient's organization and scope of work/project priorities.	MidAmerican Energy Company (MEC) is a regulated utility that provides electric and gas service across four states in the Midwest, operating billions of dollars' worth of energy infrastructure assets. As part of its infrastructure, MEC owns and operates almost 1,400 miles of command and control fiber optic cable. To address energy infrastructure security, MEC has been developing plans to ensure that all of its major facilities are connected by fiber. This effort offers an opportunity to leverage MEC's energy infrastructure management needs to provide a high quality, cost-effective middle mile fiber route that can							

	facilitate last mile service. In addition to building new routes to connect its remaining infrastructure and making that fiber available for middle mile broadband, MEC will be offering unused capacity its existing command and control fiber as new open access middle mile
2b. An overview of the significant outputs and outcomes to be accomplished in the project.	MEC has designed a fiber route that meets both its energy infrastructure needs and rural Iowa's broadband challenges. Six sub-routes comprising 775 miles of new build traverse 25 counties in central and western Iowa, facilitating last mile access in 59 communities. Opening approximately 1,365 miles of MECowned fiber to public access will facilitate last mile connections for an additional 130+ communities. Within one mile of the new build route, approximately 5,250 locations are unserved and approximately 4,600 locations are underserved based on national data available. Along the existing dark fiber route that will be made open-access, approximately 7,380 locations are unserved and approximately 1,760 are underserved based on national data available. The total project could potentially allow for more than 12,600 unserved locations and 6,360 underserved locations affordable high-speed internet from last mile providers through low-cost dark fiber leasing provided by MEC.
2c. How would the project meet the recipient's business and/or administrative need(s)?	One of the unique and compelling aspects of MEC's proposed project lies in the different economic drivers for its business, when compared to traditional telecoms. Since MEC is a regulated utility, only a specific rate of return can be attained by the company unlike many other unregulated competitors. Any additional revenue generated from internet service providers leasing middle mile broadband will reduce overall revenue requirement from retail utility customer rates. MEC has developed a pricing structure that will allow for dark fiber lease rates below market value based on current market research.
2d. Provide an overview of key accomplishments achieved for this reporting period on the MM infrastructure project.	At the time of original bi-annual submittal, MEC has received a 'No Adverse Effect' from SHPO and is working through redlines with NTIA to get a green light to proceed with construction on Phase 1 routes. ROW permits have been received at a steady pace. Procurement of fiber was accomplished on time and is ready to be deployed.
2e. Provide any roadblock experienced during this reporting period impacting the expansion of the MM infrastructure project (i.e., supply chain, availability of labor).	MidAmerican requested an extension to the EHP deadline on August 31, 2025. The extension request was due to unforeseen survey requirements from the Iowa State Historical Preservation Office (SHPO) in accordance with Section 106 of the National Historic Preservation Act (NHPA). The original scope and timeline was based upon feedback received from the SHPO on October 31, 2022, which provided guidance that reconnaissance investigations were needed to determine how the project might affect historically significant architectural properties and districts that exist along the project corridors. With this guidance, it was assumed only the areas near significant architectural properties that were identified in the desktop review would need to be surveyed. However, after further conversations with SHPO, reconnaissance investigations were requested for the entire project, increasing from what we originally thought would be 11 miles to 775 miles. During this time, northern Iowa experienced extreme flooding that caused further delays for the field surveys on the northern routes, which carried through to the associated reports. An EXP extension was required due to unforeseen survey requirements from the Iowa State Historical Preservation Office (SHPO) in accordance with Section 106 of the National Historic Preservation Act (NHPA). Conflicting guidance from SHPO contributed to the delays in submitting the extension request.
2f. Provide any barriers to improving job quality experienced during this reporting period.	Troubleshooting and problem solving to keep environmental permits moving forward have been ongoing but we have been working with agencies to solve any problems that may have occurred.

C. INFRASTRUCTURE MILESTONE CATEGORIES AND PROJECT TIMELINE				
Please use the chart below to provide the start date and end date of your project.				
OVERALL PROJECT	**PROJECT DURATION**	**3a. PROJECT START DATE**	**3b. PROJECT END DATE**	

	730	07/01/2023	06/30/2025	

Please provide the start and end dates for each milestone category of your project. The duration is be based on the start and end dates of each category.

Please use the table provided to indicate your EXPECTED percentage of completion on a bi-annual basis for each year of your project. Year 1 begins with your award start date.

The percentage of completion should be based primarily on the expenditure of your project budget and should be reported cumulatively from award inception through the end of each semi-annual reporting period. For example, if you expect to complete a particular milestone within the first three periods of your project, the third period and all subsequent periods should state 100%.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

Please write “0” in the duration field if your project does not include an activity. If necessary, please insert additional milestones at the end.

ANTICIPATED PROJECT MILESTONES***				Year 1 Baseline		Year 2 Baseline		Year 3 Baseline		Year 4 Baseline		Year 5 Baseline	
3c. MILESTONE CATEGORIES	3d. DURATION (Days)	3e. START DATE	3f. END DATE	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
Overall Project	730	2023-07-01	2025-06-30	13%	41%	68%	93%	100%	100%	100%	100%	100%	100%
Environmental Assessment	181	2023-10-01	2024-03-30	0%	75%	100%	100%	100%	100%	100%	100%	100%	100%
Network Design	120	2023-09-01	2023-12-30	0%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Rights Of Way	0	2023-07-01	2023-07-01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Construction Permits And Other Approvals	301	2024-05-30	2025-03-27	0%	50%	75%	100%	100%	100%	100%	100%	100%	100%

Site Preparation	0	2023-07-01	2023-07-01	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Equipment Procurement	395	2024-01-01	2025-01-30	50%	50%	75%	100%	100%	100%	100%	100%	%	%
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	365	2024-06-15	2025-06-15	0%	0%	40%	80%	100%	%	%	%	%	%
Equipment Deployment	335	2024-07-15	2025-06-15	0%	0%	50%	95%	100%	%	%	%	%	%
Network Testing	512	2024-02-04	2025-06-30	0%	0%	25%	80%	100%	%	%	%	%	%
Status of Procurement	730	2023-07-01	2025-06-30	50%	50%	75%	90%	100%	%	%	%	%	%

Please use the table provided to indicate your ACTUAL percentage of completion on a bi-annual basis for each year of your project. Year 1 begins with your award start date.

The percentage of completion should be based primarily on the expenditure of your project budget and should be reported cumulatively from award inception through the end of each semi-annual reporting period. For example, if you expect to complete a particular milestone within the first three periods of your project, the third period and all subsequent periods should state 100%.

Please provide a brief description of the primary activities involved in meeting each milestone (a single description should be provided for each milestone, covering all periods in years one through N).

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

Please write the number “0” if your project does not include an activity. If necessary, please insert additional milestones at the bottom of the chart. Please add additional milestones as applicable.

ACTUAL PROJECT MILESTONES***	Year 1	Year 2	Year 3	Year 4	Year 5

		Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
4a. MILESTONE	**4b. DESCRIPTION**	**Actual Milestone Completion (Cumulative)**									
Overall Project	Project has submitted Phase 1 permit applications at time of Bi-Annual Report and is awaiting final green light from NTIA. Phase 2 has received approval for SHPO on all routes and is awaiting Fish and Wildlife and USACE permits.	19%	28%	28%	28%						
Environmental Assessment	Phase 2 has received approval for SHPO on all routes and is awaiting Fish and Wildlife and USACE permits.	2%	30%	90%	90%						
Network Design	Network design is mapped and complete.	50%	90%	99%	99%						
Rights Of Way	Rights of Way permits for phase 1 have all been submitted and received with the exception of two communities.	0%	0%	100%	100%						
Construction Permits And Other Approvals	ROW permits for Phase 1 have been all been submitted and received back at an expected pace.	0%	0%	50%	50%						
Site Preparation	No work on site has been approved at time of original bi-annual submittal.	0%	0%	100%	100%						
Equipment Procurement	50% of the fiber to be used has been purchased.	50%	50%	50%	50%						
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	Construction has not started at time of original bi-annual submittal.	0%	0%	0%	0%						
Equipment Deployment	Construction has not started at time of original bi-annual submittal.	0%	0%	0%	0%						

Network Testing	Network has not been installed.	0%	0%	0%	0%						
Status of Procurement	50% of fiber to be used has been procured and stored on MEC facilities.	50%	50%	50%	50%						

Subrecipient and Subawards

List of Subrecipient(s) that received a subaward or subcontract from the eligible entity and a description of the specific project for which grant funds were provided.

Associate projects names to any subrecipient or subaward associated with grant, approved grant funds, and expenditures to date.

5a. Project Name	Status	5b. Project Description	5c. Subrecipient	5d. Minority Business Enterprise (MBE)	5e. Women's Business Enterprise (WBE)	5f. Labor Surplus Area Firm	5g. Awarded Funds	5h. Expenditures to Date	5i. Remaining Grant Balance	5j. % of work complete
							$	$	$	%

D. INFRASTRUCTURE BUDGET EXECUTION DETAILS

Please provide details below on your total budget and total fund expended to date for each budget element, including detailed disbursements of both matching funds approved and federal funds obligated from project inception through end of this reporting period. Figures should be reported cumulatively from award inception to the end of the applicable reporting period.

6a. Projected Budget Element	6b. Federal Funds	6c. Non-Federal Funds	6d. Total Project Budget	6e. Total Federal Funds Expended to Date	6f. Total Non-Federal Funds Expended to Date	6g. Total Funds Expended	6h. Percent of Federal Funding Expended to Date (Cumulative)
6a. Administrative and legal expenses	$678,352.09	$217,826.91	$896,179.00	$259,255.02	$258,317.06	$517,572.08	38%
6a. Land, structures, rights-of way, appraisals, etc.	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Relocation expenses and payments	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Architectural and engineering fees	$2,436,725.80	$782,461.60	$3,219,187.40	$2,460,140.89	$2,460,725.06	$4,920,865.95	101%
6a. Other architectural and engineering fees	$172,354.82	$55,345.18	$227,700.00	$279,584.53	$313,211.38	$592,795.91	162%
6a. Project inspection fees	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Site work	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Demolition and removal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Construction	$33,474,541.14	$10,749,072.75	$44,223,613.89	$3,837,589.45	$3,838,641.64	$7,676,231.09	11%
6a. Equipment	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A

6a. Miscellaneous	$0.00	$25,703,798.15	$25,703,798.15	$0.00	$0.00	$0.00	N/A
6a. Subtotal	$36,761,973.85	$37,508,504.59	$74,270,478.44	$6,836,569.89	$6,870,895.14	$13,707,465.03	19%
6a. Contingencies	$1,077,338.01	$345,946.03	$1,423,284.04	$0.15	$0.00	$0.15	0%
6a. Totals	$37,839,311.86	$37,854,450.62	$75,693,762.48	$6,836,570.04	$6,870,895.14	$13,707,465.18	18%

E. COMMUNITY BENEFIT AGREEMENT

As stated in the MM Grant Program NOFO a Community Benefit Agreement (CBA) is an agreement signed by community benefit groups and a developer, identifying the community benefits a developer agrees to deliver, in return for community support of the project.

Please use the fields below to state the Community Benefit Group and Developer Name and describe the activities in how this partnership has supported with the Middle Mile Infrastructure project (i.e. wage agreements, targeting hiring of apprentices and disadvantaged groups in labor marker, education and training opportunities, sub-contracting to local small business for construction, services, and supply chain needs).

Description of Community Agreement	
7a. Community Benefit Group Name: Please provide the name of the Community Benefit Group	These questions were answered via file upload. **Number of Community Agreements:** 0 **File(s) Uploaded with Responses:**
7b. Developer Name: Please provide the name of the Developer.	
7c. Community Benefit Group and Developer Partnership: Please describe in the space below the nature of the partnership and how the MM grant funds being used are assisting to provide community support for the infrastructure project.	

F. CLIMATE RESILIENCE

Recipients must demonstrate that they have sufficiently accounted for current and future weather and climate related risks to new MM infrastructure projects. At present, weather and climate related risks to broadband networks include wildfires, extreme heat and cold, inland and coastal flooding, and the extreme winds produced by weather events such as tornadoes, hurricanes, and other weather events. Because retrofitted and new infrastructure for broadband might be expected to have a lifetime of 20 years or more, recipients must account not only for current risks but also for how the frequency, severity, and nature of these extreme events may plausibly evolve as our climate continues to change over the coming decades.

Climate Resiliency Risk Mitigation

This purpose of this section is for the recipient to demonstrate that they have sufficiently accounted for current and future weather and climate-related risks to new MM infrastructure projects. In particular, each recipient should demonstrate how they've addressed the known and identifiable risks of current and future projected weather and climate conditions through measures such as (but not limited to) choice of a technology platform suitable to the climate risk of the region, reliance on alternatives siting of facilities (i.e., underground construction where appropriate), retrofitting, or hardening of existing assets, and use of network redundancy to safeguard against threats to infrastructure.

8a. Were any geographic areas identified for this reporting period subject to an initial and/or updated hazard screening for future weather and climate related risk? If so, please provide the date of the screening and provide related documentation as an attachment to this report.

No

8b. Climate Resilience Category	8c. Date of Most Recent Hazard Screening	8d. Name and Title of Representative Completing Most Recent Hazard Screening	8e. Date of Report Completion

No files uploaded for Hazard Screening.

8f. Identified Risk: For your MM project, what are the potential weather and climate hazards that may be most important to be addressed that could impact the resiliency of the middle mile infrastructure deployed (i.e. wildfires, extreme heat and cold, inland and coastal flooding, extreme winds: tornadoes, hurricanes and other weather events)?

Precipitation varies widely across Iowa, with the southeastern portion of the state receiving around 38 inches annually compared to only 26 inches in the northwest. Much of Iowa's precipitation falls in summer, averaging about 14 inches in the central part of the state. The frequency of 2-inch extreme precipitation events has increased, with the highest number occurring during the past 16 years. From 1955 to 1997, Iowa was ranked first in state losses due to flooding. In 2008, 83 of 99 Iowa counties were declared disasters from flooding and in 2011 flooding occurred along the entire length of the Missouri River (the western border of Iowa). In addition to flooding, winter storms can cause damage, including heavy snows, high winds and low temperatures. Tornados also affect Iowa, along with violent thunderstorms and derecho winds.

8g. Weather and Climate Hazards: Were any significant climate or weather hazards experienced during this reporting period (i.e., floods, tornados) impacting infrastructure buildout or service? Briefly describe how you monitored for weather and climate caused issues for the reliability of the system. If so, please provide the date of the disaster, location and backup documentation related (i.e., news articles).

No

N/A

8h. Risks to Deployment of New Infrastructure: Has the team identified any risks impacting the deployment of new or repaired infrastructure due to current and future weather and climate-related threats during this reporting period?

No

8i. Risk Mitigation: How will the project avoid and/or mitigate the risk identified? If not applicable, please explain why.

Underground placement of most of the fiber is the primary construction method to manage for future climate change. Underground construction would protect from increased precipitation and flooding, with underground structures either using watertight cases or designed to drain quickly. Adaptation for potential energy outages due to cooling demand from hot summer days would be facilitated by MEC's utility status. Because the fiber endpoints would be co-located with MEC electric distribution and transmission infrastructure, MEC would be able to quickly respond to outages and interruptions with the same speed and urgency that is undertaken to restore electric service for distribution and transmission assets. This is in keeping with MEC's reliability responsibilities as a rate regulated electric and gas utility.

8j. Additional Information: Is there any additional information you would like to share during this reporting period that the grant team should be aware of regarding the management of sustainable climate resiliency for your MM project?

For specific construction practices meant to minimize impacts from increased precipitation and localized and riverine flooding, the fiber would either be attached to a bridge crossing or bored using best professional judgement for engineering design that allows for adequate cover at a reasonable bore depth given the streambed characteristics and potential for scour at each individual crossing (e.g. soil substrate type/cohesiveness etc.).

8k. Additional Resources
Has the team utilized the available resources to assist with mitigation and long-term planning efforts for this reporting period? If so, which resources? 2018 National Climate Assessment NOAA's 2022 State Climate Summaries NOAA Disaster and Risk Mapping Tool NOAA's Storms Event Database NOAA Climate Explorer and Digital Coast FEMA National Risk Index Consulted FEMA-approved Hazard Mitigation Plans prepared by states in which they propose to build middle mile infrastructure to help identify key risk and hazards
No

G. Workforce
For projects receiving over $5,000,000 (based on expected total cost), as determined by the U.S. Secretary of Labor by subchapter IV of chapter 31 of title 40, United States Code (commonly known as the "Davis-Bacon Act"), all laborers and mechanics employed by contractors and subcontractors in the performance of such project are paid wages at rates not less than those prevailing.

Davis-Bacon Certification	
9a. Does the recipient have access to the information requested (all laborers and mechanics employed by contractors and subcontractors in the performance of such project are paid wages at rates not less than those prevailing?)	Yes

Local Hire Prioritization and Impact
Local hiring is a goal or requirement to hire people who live close to the place of work. This aim is often more specifically structured as a requirement for contractors awarded certain types of publicly funded projects to recruit a certain proportion of the people working on the project from a particular area. Please **provide all direct hires and contractors supporting** the MM Infrastructure project. Please use the table below to describe how the project prioritizes local hiring.

Hires by Race, Ethnicity and Sex	**Number of Hires**
	Race/Ethnicity

	9b. Hispanic or Latino			9c. Non-Hispanic/Non-Latino																		Totals
				9c-1. Men						9c-2. Women												
	9b-1. Men	9b-2. Women		White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races							
Number of Local Direct Hires	0	0		0	0	0	0	0	0	0	0	0	0	0	0							0
Number of Non-Local Direct Hires	0	0		0	0	0	0	0	0	0	0	0	0	0	0							0
Percentage of Local Direct Hires on Award	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%							
Number of Local Subcontractors	0	0		0	0	0	0	0	0	0	0	0	0	0	0							0
Number of Non-Local Subcontractors	0	0		0	0	0	0	0	0	0	0	0	0	0	0							0
Percentage of Local Subcontractors on Award	0%	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%							

Davis-Bacon Act Wages	
Please confirm if wages are at least prevailing*	
*As stated in the MM NOFO as determined by the U.S. Secretary Labor in accordance with subchapter IV of chapter 31 of title 40, United States Code (commonly known as the "Davis-Bacon Act"), for the corresponding classes of laborers and mechanics employed on projects of a character similar to the contract work in the civil subdivision of the State (or the District of Columbia) in which the work is to be performed.	
10a. Are wage rates at least the Davis-Bacon prevailing wage for all laborers?	Yes
10b. Please cite your source of how this information was gathered (for 10a).	Construction has not started.
10c. Are wage rates at least the prevailing wage for all mechanics?	Yes
10d. Please cite your source of how this information was gathered (for 10c).	Construction has not started.
10e. If you answered "No" to either 10a. or 10c., please provide an attachment reporting the wages and benefits of workers on the project by job classification, and whether those wages are less than the prevailing wage.	

Workforce Demographic Data																								
Jobs by Race, Ethnicity and Sex	**Number of Jobs**																							
	Race/Ethnicity																							
	11-a. Hispanic or Latino			**11b. Non-Hispanic/Non-Latino**																				**Totals**
				11b-1. Men						**11b-2. Women**														
	11a-1. Men	11a-2. Women		White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races	White	Black or African American	Native Hawaiian or Pacific Islander	Asian	Native American or Alaska Native	Two or More Races									
Jobs Created	0	0		0	0	0	0	0	0	0	0	0	0	0	0									0
Jobs Retained	0	0		0	0	0	0	0	0	0	0	0	0	0	0									0

Unionized Workforce	
12-a. Does this project include some workforce elements that are unionized?	No
12-b. Are workers provided access to union educators/organizers on employer property or during the work day?	No
12-c. Does your MM project utilize a project labor agreement?	No
12-d. Did workers receive additional information or training about their workplace rights in addition to already required notice postings?	No

H. Workforce Continuity Plan
National Labor Relations Act (29 U.S.C. 158 (f)

As stated in the MM NOFO, if a recipient has not provided a certification that a project either will use a unionized project workforce or included a project labor agreement, meaning a pre-hire collective bargaining agreement consistent with section 8(f) of the National Labor Relations Act (29 U.S.C. 158 (f)), then the recipient must provide a project workforce continuity plan.

Workforce Continuity Plan

13a. Please describe the steps taken to ensure the project has ready access to a sufficient supply of appropriately skilled and unskilled labor to ensure construction is completed skillfully throughout the project's life (as required in Section III.B of the MM NOFO). As stated in the MM NOFO, the middle mile grant recipient is capable of carrying out the proposed project in a competent manner, including a plan to attract or retain an appropriate skilled and credentialed workforce.

MEC practice is to directly employ its workforce (rather than subcontracting) and will utilize this model for its broadband project, where its own employees develop and implement the broadband project. The only components of the project that will be contracted are for environmental compliance, fiber optic cable design and the fiber optic cable installation, all of which will be competitively procured. Within this framework, MEC has specific positions that are represented by unions, without requiring that employees join those unions

For your MM project, please provide a brief description of efforts made to attract, train or retain a skilled and credentialed workforce.

MEC utilizes a system of union partnerships, CBO partnerships, internal training programs and transparent job classifications to ensure that its workforce in developing and maintaining a high level of skills appropriate to the technical work required to develop and manage a middle mile fiber optic system. Working with the IBEW Local 109 and 499 (electrical) and USW local 738 (steel workers), MEC has 21 Registered Apprenticeship programs. We collaborate with community colleges, including a recent collaboration with Des Moines Area CC, Iowa Assoc. of Municipalities and Alliant Energy to establish the Electric Utility Technology Program. MEC also works with iJAG (Iowa Jobs for America's Graduates) to provide educational and career connections in the industry by participating and providing industry events such as career fairs, lunch and learns, and internships.

Has the team offered any of the following resources to assist with maintaining a sufficient supply of appropriately skilled labor force for this reporting period? If so, which resources (please provide a brief description of any of the following that apply):
Professional Certifications
In-House Training
Registered Apprenticeships
Labor-Management Partnerships
Partnerships with entities like unions, community colleges, or community-based groups

MEC provides quality jobs with full benefits packages (health, dental, vision, PTO, family leave) and robust training programs. MEC holds high standards of safety and requires all contractors to pass safety and security grading based on their OSHA incident history.

13b. Please describe below, the steps taken to minimize risks of labor disputes and disruptions that would jeopardize the timeliness and cost-effectiveness of completing the MM project.

A robust training and professional development program for its employees, and appropriate certification and licensure and maintenance of worker classifications. MEC has separated the project into 6 different routes with different contractors responsible for building separate routes to ensure timely completion of each route and to mitigate risk of delays associated with a single contractor. All contractors working on the middle mile project

have a long standing successful and high standard history working on MEC telecommunication expansion projects. Our standard procurement contracts are utilized for the middle mile project and all contractors are familiar with the standard contract terms from previous projects they have successfully completed for MEC.
13c. Please describe below the steps to ensure a safe and healthy workplace that avoids delays and costs associated with workplace illnesses, injuries, and fatalities.
MEC will utilize workplace safety committees that will be authorized to raise health and safety concerns in connection with network construction. MEC provides quality jobs with full benefits packages (health, dental, vision, PTO, family leave) and robust training programs.
13d. For your MM project, please provide a brief description below of efforts made to ensure a safe and healthy workplace.
MEC will utilize workplace safety committees that will be authorized to raise health and safety concerns in connection with network construction.
Has the team offered any of the following resources to assist with maintaining a safe and healthy workplace for this reporting period? If so, which resources (please provide a brief description of any of the following that apply): Safety Training Certifications and/or Licensure Requirements for all relevant works (e.g., OSHA 10, OSHA 30, confined space, traffic control, or other training required of workers employed by contractors) Issues raised by workplace safety committees and their resolutions
Continuing professional development is provided through a tuition support program with an annual benefit that was increased by over 40% effective May 2022 to $7,500. To ensure appropriate credentials, MEC maintains detailed job descriptions with periodic reviews to ensure employees are in the appropriate DOT testing pools and that the positions are appropriately classified as exempt or nonexempt under the FLSA. Some positions require pre-employment skills testing and education and license requirements are documented by background checks.

Subcontracted Entities Information			
As stated in the MM NOFO, if a recipient has not provided a certification that a project either will use a unionized project workforce or included a project labor agreement, meaning a pre-hire collective bargaining agreement consistent with section 8(f) of the National Labor Relations Act (29 U.S.C. 158 (f)), then the recipient must provide a project workforce continuity plan.			
13e. Please provide the name(s) below of any subcontracted entities performing work on the project, and the total number of workers employed by each entity.			
13e-1. Name of Subcontracted Entity Performing Work	**Status**	**13e-2. Total Number of Workers within this Subcontract**	**13e-3. Job Categories of Workers Supporting Project within this Subcontract**
Terracon	Active	60	Senior Staff Scientist, Group Manager, Field Scientist, Environmental Regional Services Manager, Office Manager, NEPA Program Manager, Environmental Department Manager, Cultural Resources Program Manager
Kramer Services	Active	2	Field Supervisors, GIS Mapping, Engineering Designer, Construction Managers, Project Manager, Construction Administrator, Inspectors

Olsson	Active	20	Field Supervisors, GIS Mapping, Engineering Designer, Construction Managers, Project Manager, Construction Administrator, Inspectors
Finley	Active	13	Field Supervisors, GIS Mapping, Engineering Designer, Construction Managers, Project Manager, Construction Administrator, Inspectors
Communication Innovators	Active	8	Field Supervisors, GIS Mapping, Engineering Designer, Construction Managers, Project Manager, Construction Administrator, Inspectors

13f. Please describe below the steps taken to ensure that workers on the project receive wages and benefits sufficient to secure an appropriately skilled workforce in the context of the local and regional labor market.

Training for Davis-Bacon and prevailing wages has been completed with all contractors. Refresher training is being supplied as needed.

I. ANCHOR INSTITUTIONS

Please provide Anchor Institution (AI) data for the current period only (not cumulative). Please add rows as needed.

14a. Anchor Institution Name	No files were uploaded for this nonobligatory section.
14b. Street Address	
14c. City	
14d. State	
14e. Type of Anchor Institution	
14f. Interconnection with 1,000 Feet of AI Enabling Gig Symmetrical Service	
14g. Narrative Description of how the Anchor Institution may benefit from the Grant Funded Infrastructure	

J. BROADBAND ACCESS KEY INDICATOR: SUBSCRIBERS AND SPEED

Please use the following table to provide anticipated key indicators with the projected totals for each beneficiary category, access type and speed category for your infrastructure service or project. Except as indicated, information should be reported cumulatively from award inception through the end of the bi-annual period for Bi-Annual Indicators. Please write the number "0" if your project does not include this indicator.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

PROJECTED NUMBER OF SUBSCRIBERS AND SPEED	Year 1		Year 2		Year 3		Year 4		Year 5	
ACCESS TYPE	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
15a. Anchor Institutions (AIs)* **										
15a-1. Total Number of AIs passed	0	0	0	0						
15a-2 Number of AIs within 1,000 feet of the middle mile infrastructure	0	0	0	0						
15a-3. Total number of AIs served	0	0	0	0						
15a-4. AIs with new access	0	0	0	0						
15a-5. AIs with improved access	0	0	0	0						
15a-6. Total number of AIs served with speeds of at least 1/1Gbps	0	0	0	0						
15b. Broadband Wholesalers or Last Mile Providers* **										
15b-1. Total number of broadband wholesalers or last mile providers served	0	0	0	0						
15b-2 Broadband wholesalers or last mile providers with new access	0	0	0	0						
15b-3. Broadband wholesalers or last mile providers with improved access	0	0	0	0						
15b-4. Total number of broadband wholesalers or last mile providers offering speeds of at least 25/3 Mbps	0	0	0	0						

15b-5. Total number of broadband wholesalers or last mile providers offering speeds of at least 100/20 Mbps	0	0	0	0						
15b-6. Total number of broadband wholesalers or last mile providers offering speeds of at least 1/1 Gbps	0	0	0	0						

K. BROADBAND ACCESS KEY INDICATOR: NETWORK BUILD PROGRESS

Please use the following table to provide anticipated key indicators and progress of your Infrastructure project. Except as indicated, information should be reported cumulatively from award inception through the end of the bi-annual period. Please write the number "0" if your project does not include this indicator.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

NETWORK BUILD PROGRESS***	Year 1		Year 2		Year 3		Year 4		Year 5	
KEY INDICATOR	**Period 1**	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**
16a. Total of new fiber miles (aerial or buried)	0	0	0	0						
16b. Total of fiber miles leased	0	0	0	0						
16c. Total of existing fiber miles upgraded	0	0	0	0						
16d. Total number of new microwave links	0	0	0	0						
16e. Total number of new towers	0	0	0	0						
16f. Total number of new interconnection points	0	0	0	0						

16g. Total number of signed agreements with broadband wholesalers or last mile providers	0	0	0	0						
16h. Total of potential agreements (i.e., agreements currently being negotiated) with broadband wholesalers or last mile providers (This Total should NOT be reported cumulatively)	0	0	0	0						

L. QUANTIFIABLE METRICS

Quantifiable Metrics - Section designed to assist with **reporting** and **audit** purpose to quantify how much progress was made and track the location of where the progress was made.

*** Period 1 ends September 30 and Period 2 ends March 31. Additional columns may be added for a Year 6, Period 1 or 2, Baseline if the Period of Performance is 5 years.

17a. Fiber Optic Based * **	**Year 1**		**Year 2**		**Year 3**		**Year 4**		**Year 5**	
	Period 1	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**
17a-1. Is the fiber a buried/aerial or undersea application?	Buried/aerial	Buried/aerial	buried and aerial	Buried/Aerial						
17a-2. Number of strands deployed	0	0	0	0						
17a-3. Number of miles of buried fiber deployed	0	0	0	0						
17a-4. Number of miles of aerial fiber deployed	0	0	0	0						
17a-5. Estimated capacity of fiber (i.e. throughput)	0	0	0	0						
17a-6. Deployment cost per mile of buried fiber optics	$0.00	$0.00	$0.00	$0.00						
17a-7. Deployment cost per mile of aerial fiber optics	$0.00	$0.00	$0.00	$0.00						
17a-8. Total Spent on Buried Fiber Deployment this reporting period	$0.00	$0.00	$0.00	$0.00						

17a-9. Total Spent on Aerial Fiber Deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17a-10. Total spent on Fiber Deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17a. Fiber Optic Based *, Long Text Responses and File Uploads**										
Current Period (Year 2, Period 2)										
17a-11. Please provide any additional information about the Fiber Optic deployment (200 words or less)										
17a-12. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the new aerial fiber and buried fiber equipment installed during this reporting period.										

17b. Microwave Based ***	Year 1		Year 2		Year 3		Year 4		Year 5	
	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2	Period 1	Period 2
17b-1. How many microwave nodes have been deployed?	0	0	0	0						
17b-2. How many microwave nodes are operating for reporting period?	0	0	0	0						
17b-3. Installation cost per microwavable node	$0.00	$0.00	$0.00	$0.00						
17b-4. Number of new towers built to support microwave structure	0	0	0	0						
17b-5. If applicable, what type of tower was constructed (a) Monopole (b) Self-Support, (c) Guyed, or (d) Other during this reporting period?	N/A	N/A	N/A	N/A						
17b-6. Average cost per tower installed	$0.00	$0.00	$0.00	$0.00						

17b-7. Total spend on Tower deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17b-8. Total spend on microwave deployment this reporting period	$0.00	$0.00	$0.00	$0.00						
17b. Microwave *, Long Text Responses and File Uploads**										
Current Period (Year 2, Period 2)										
17b-9. If you answered "Other" to question 17b-5 or if it is a combination of multiple types, please provide a detailed narrative description detailing what type of tower or what combination of towers is used for the project and the associated costs. (200 words or less).										
17b-10. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the microwave nodes created during this reporting period.										

17c. Satellite ***	**Year 1**		**Year 2**		**Year 3**		**Year 4**		**Year 5**	
	Period 1	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**	**Period 1**	**Period 2**
17c-1. What satellite provider is being used?	N/A	N/A	N/A	N/A						
17c-2. What is the estimated capacity of the satellite link (i.e. throughput)?	0	0	0	0						
17c-3. What is the associated cost to use this satellite service?	$0.00	$0.00	$0.00	$0.00						
17c. Satellite *, Long Text Responses and File Uploads**										
Current Period (Year 2, Period 2)										
17c-4. Please provide any additional information about the Satellite deployment (200 words or less)	Satellite deployment not utilized.									

17c-5. Please provide the digital mappings (e.g., CAD, Revit, KMZ, KML) for the satellite network accessed during this reporting period.	

Certifications
18. Please provide certification evidencing compliance with Federal labor and employment laws along with the requirements of Infrastructure Investment and Jobs Act and Middle Mile Grant Program, for the bi-annual period for which this report is being filed.
I certify that MidAmerican Energy is in compliance with Federal labor and employment laws along with the requirements of the Infrastructure Investment and Jobs Act and Middle Mile Grant Program, for the bi-annual period for which this report is being filed.
19. Please provide certification evidencing compliance with the Build America, Buy America Act. The Build America, Buy America Act requires that all of the iron, steel, manufactured products (including but not limited to fiber-optic communications facilities), and construction materials used in the project or other eligible activities are produced in the United States unless a waiver is granted.
I certify that MidAmerican Energy is in compliance with the Build America, Buy America Act. **File Uploaded:** MMG Inventory Report OCC.xlsx

20. I certify to the best of my knowledge and belief that this report is correct and complete for performance of activities for the purposes set forth in the award documents.	
20a. Typed or Printed Name and Title of Authorized Certifying Official:	Michael Griglione
20b. Signature of Certifying Official:	Michael Griglione
20c. Telephone (area code, number and extension):	
20d. Email Address:	michael.griglione@midamerican.com
20e. Date:	06/05/2025