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	QSH PARENT HOLDCO LLC	**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:	QSH PARENT HOLDCO LLC	**1h. Award Identification Number:**	02-40-MM503					
1b. Recipient Street Address:	3601 C St Ste 1000 Fl 10	**1i. Report Date (MM/DD/YYYY):**	05/19/2026					
1c. City, State, and Zip Code:	Anchorage, Alaska 99503-5937	**1j. Final Report:**	**Yes**		**No**	X		
1d. Unique Entity Identification (UEI) Number:	H2KRZBMTJQG3	**1k. Report Period Start Date (MM/DD/YYYY):**	10/01/2025					
1e. Award Start Date (MM/DD/YYYY):	07/01/2023	**1l. Report Period End Date (MM/DD/YYYY):**	03/31/2026					
1f. Award End Date (MM/DD/YYYY):	06/30/2027							
1g. Name of Person Completing Report:	Michael McHale							
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.	QSH Parent Holdco LLC ("Quintillion" or "Applicant") is a leading integrated digital infrastructure provider founded in 2016 and headquartered in Anchorage, Alaska with a vision of bringing world-class telecommunications services to the Arctic to support economic development and improve the quality of life. Quintillion is the first and in many cases only provider to bring world-class telecommunications infrastructure to many areas of the Alaskan Arctic through our subsea and land-based fiber optic cable networks. As the wholesaler or "middle mile" provider, we sell access to our network to a variety of regional telecommunication service providers enabling them to provide better products, pricing, and services to their customers. Quintillion also directly							

	provides high-speed broadband to selective government and enterprise institutions.Quintillion's Phase 1 system, operational since 2017, delivers gigabit and higher bandwidth services on a 1,182-mile subsea and 505-mile terrestrial fiber optic network to Alaska's Northwest and North Slope Arctic regions, including to the remote markets of Nome, Kotzebue, Point Hope, Wainwright, Utqiagvik (Barrow), Oliktok Point, and Prudhoe Bay/Deadhorse, as well as the oil and gas infield extending along the Dalton Highway to Fairbanks where it connects with the Continental United States (CONUS) in cooperation with regional telecommunications companies. Initial Nome to Homer Express Project activities will be focused on preparing for the required marine survey, including developing the preliminary route to be surveyed, permitting survey activities, and contracting necessary resources to complete the marine bathymetry and geotechnical survey. For land facilities, initial project activities will be required to finalize land leases, permits, and other authorizations, consult with necessary stakeholders and permitting agencies, and complete site surveys, wetland determinations, and geotechnical surveys. The marine survey is a prerequisite and required before cable route, installation plans
2b. An overview of the significant outputs and outcomes to be accomplished in the project.	Project Outputs The Nome To Homer Express (NOME TO HOMER EXPRESS) project will deliver a high-capacity, hybrid fiber optic system spanning approximately 933 miles, extending from Nome to Igiugig, with onward connectivity to Homer via integration with an existing third-party network. The system will include a combination of submarine and terrestrial fiber optic cable (FOC) infrastructure, associated landing sites, and supporting facilities. Key infrastructure outputs include: • Deployment of submarine fiber optic cable segments connecting coastal communities along the Yukon-Kuskokwim (YK) Delta and Bristol Bay region • Construction of terrestrial fiber segments to bridge inland connections and enable integration with existing infrastructure • Development of cable landing stations (CABLE LANDING STATION), beach manholes (BEACH MANHOLE), and branching units (BU) to support network operations and redundancy • Interconnection with existing telecommunications infrastructure in Nome and Homer, creating a continuous and resilient middle-mile corridor The project consists of the following primary segments: Terrestrial Segments : o Nome Cable Landing Station (CABLE LANDING STATION) to Nome Beach ManHole (BEACH MANHOLE) o Emmonak BEACH MANHOLE to Emmonak CABLE LANDING STATION o Naknek BEACH MANHOLE to King Salmon o King Salmon to Igiugig BEACH MANHOLE Submarine Segments (S): o Nome BEACH MANHOLE to Emmonak BEACH MANHOLE o Emmonak and Hooper Bay branching unit connections o Emmonak to Naknek coastal subsea route The route selection was informed by comprehensive desktop studies and a marine route survey conducted in 2023–2024, ensuring technical feasibility, environmental consideration, and long-term system performance. Project Outcomes: Upon completion, the NOME TO HOMER EXPRESS project will achieve several critical outcomes aligned with NTIA Middle Mile Grant Program objectives: 1. Enhanced Network Capacity and Performance 2. Increased Network Resiliency and Redundancy 3. Strengthened National Security and Arctic Presence 4. Expanded Regional Connectivity and Economic Opportunity The project will enable improved middle-mile access for last-mile providers, facilitating expanded broadband availability in rural and remote communities. This supports economic development, workforce participation, and digital inclusion across the Yukon-Kuskokwim Delta and Bristol Bay regions. 5. Long-Term Infrastructure Investment The system is designed with an anticipated 25-year operational lifespan, with the potential for extended use, providing durable and scalable infrastructure to meet future demand. The design supports adaptability to evolving technologies and increasing bandwidth requirements over time. Summary Collectively, the NOME TO HOMER EXPRESS project will deliver a strategically significant, resilient, and high-capacity middle-mile network that

	strengthens Alaska’s telecommunications backbone, supports national security objectives, and enables long-term economic and community benefits in one of the most remote and critical regions of the United States.
2c. How would the project meet the recipient’s business and/or administrative need(s)?	The Nome to Homer Express Project will significantly extend Quintillion's network to nearly complete the circumnavigation of Alaska providing resilient and redundant access to Tier 1 internet backhaul and allowing services to be provided through the open access middle mile network by cooperating providers in a number of currently unserved and underserved communities.
2d. Provide an overview of key accomplishments achieved for this reporting period on the MM infrastructure project.	Environmental & Regulatory Milestone Programmatic Agreement (PA) Execution & CRMP Finalization-Section 106 Key Achievements: SHPO - Section 106 Permit - National Historic Preservation Act (NHPA) – Authorized USACE - Alaska District - Section 10 Permit (water crossings) – Authorized 03/23/26 USACE - Alaska District - Section 404 Permit (Clean Water Act) - Authorized 03/23/26 USWFS - ESA Section 7 Consultation – Authorized 12/19/24
2e. Provide any roadblock experienced during this reporting period impacting the expansion of the MM infrastructure project (i.e., supply chain, availability of labor).	Regulatory Sequencing & Dependency on FONSI and full release of Funds Issue: Construction activities (particularly terrestrial mobilization and full procurement commitments) remain contingent on release of FONSI and Release of Funds (ROF). Impact: Delayed ability to fully mobilize construction crews and finalize certain contractor scopes. Required careful timing of procurement to avoid incurring unallowable pre-award or pre-authorization costs under federal guidelines. Supply Chain Constraints & Long-Lead Equipment Issue: Ongoing global supply chain disruptions and inflationary pressures impacting availability and pricing of: Telecom shelters (CLS infrastructure) Fiber optic materials and associated equipment Power and HVAC systems Contractor Availability & Arctic Construction Constraints Issue: Limited availability of specialized contractors capable of operating in remote and Arctic conditions, combined with tight seasonal construction windows. Impact: Increased competition for qualified contractors and resources. Potential for schedule compression once FONSI/ROF is achieved. Higher mobilization and standby cost considerations. Environmental & Site-Specific Complexity Issue: Challenging environmental conditions and sensitive areas, including: River crossings and coastal zones Wildlife refuge considerations Impact: Additional analysis and FWS agency coordination impacting NEPA permitting and current route design . Site control permits for identified and finalized route.
2f. Provide any barriers to improving job quality experienced during this reporting period.	None

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
	1460	07/01/2023	06/30/2027

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.

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	1368	2023-07-01	2027-03-30	2%	10%	25%	30%	48%	63%	76%	100%	100%	100%
Environmental Assessment	243	2023-11-01	2024-07-01	10%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Network Design	595	2023-07-01	2025-02-15	10%	50%	80%	100%	100%	100%	100%	100%	100%	100%

Rights Of Way	396	2023-11-01	2024-12-01	10%	40%	100%	100%	100%	100%	100%	100%	100%
Construction Permits And Other Approvals	472	2023-11-01	2025-02-15	0%	15%	80%	100%	100%	100%	100%	100%	100%
Site Preparation	243	2025-04-02	2025-12-01	0%	0%	20%	100%	100%	100%	100%	100%	100%
Equipment Procurement	668	2024-07-01	2026-04-30	0%	0%	10%	30%	60%	100%	100%	100%	100%
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	668	2025-02-01	2026-12-01	2%	12%	17%	27%	32%	50%	69%	100%	100%
Equipment Deployment	518	2025-05-15	2026-10-15	2%	14%	20%	31%	38%	59%	89%	100%	100%
Network Testing	166	2026-10-15	2027-03-30	0%	0%	0%	0%	0%	0%	0%	100%	100%	100%
Status of Procurement	668	2024-07-01	2026-04-30	0%	0%	10%	30%	60%	100%	100%	100%	100%	100%

Other				%	%	%	%	%	%	%	%	%	%

ANTICIPATED PROJECT MILESTONES***				Year 6 Baseline		Year 7 Baseline		Year 8 Baseline		Year 9 Baseline		Year 10 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	1368	2023-07-01	2027-03-30	%	%	%	%	%	%	%	%	%	%
Environmental Assessment	243	2023-11-01	2024-07-01	%	%	%	%	%	%	%	%	%	%
Network Design	595	2023-07-01	2025-02-15	%	%	%	%	%	%	%	%	%	%
Rights Of Way	396	2023-11-01	2024-12-01	%	%	%	%	%	%	%	%	%	%
Construction Permits And Other Approvals	472	2023-11-01	2025-02-15	%	%	%	%	%	%	%	%	%	%
Site Preparation	243	2025-04-02	2025-12-01	%	%	%	%	%	%	%	%	%	%

Equipment Procurement	668	2024-07-01	2026-04-30	%	%	%	%	%	%	%	%	%	%
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	668	2025-02-01	2026-12-01	%	%	%	%	%	%	%	%	%	%
Equipment Deployment	518	2025-05-15	2026-10-15	%	%	%	%	%	%	%	%	%	%
Network Testing	166	2026-10-15	2027-03-30	%	%	%	%	%	%	%	%	%	%
Status of Procurement	668	2024-07-01	2026-04-30	%	%	%	%	%	%	%	%	%	%
Other				%	%	%	%	%	%	%	%	%	%

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.

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	Our current spend of $73M reflects a project completion percentage of 46%	1%	3%	6%	33%	37.6%	46%				%
Environmental Assessment	Quintillion has completed all major environmental review and compliance requirements necessary to support construction activities under the project. Completion of the Environmental Assessment (EA), Programmatic Agreement (PA), and Cultural Resource Management Plan (CRMP). Issuance of a Finding of No Significant Impact (FONSI) under the National Environmental Policy Act, confirming that the project may proceed without significant environmental impact. The reported 100% completion reflects that all major environmental reviews, consultations, and permits required under NEPA, NHPA, ESA, and Clean Water Act authorities have been completed and approved. The remaining activity is limited to a single, discrete determination that is procedural and nearing completion.	0%	35%	68%	87%	95%	100%				%
Network Design	Our network design is considered a Final Design. We anticipate minor changes to cable depth and possibly alignment based on Department of Transportation requests. During this reporting period, the network design progressed through detailed engineering, route validation, environmental alignment, and coordination with permitting requirements. The design incorporates subsea fiber segments, terrestrial connections, beach manholes, cable landing station infrastructure, and use of existing third-party backhaul connectivity to support the final connection toward Homer.	10%	45%	90%	100%	100%	99%				%
Rights Of Way	The reported percentage of completion reflects a weighted assessment of total right-of-way (ROW) requirements across the full Nome to Homer Express project corridor, based on the relative scale, complexity, and criticality of each ROW segment. A substantial portion of the overall ROW scope has been completed with the successful execution of the ROW authorization from the Alaska Department of Natural Resources (DNR). This segment represents the largest and most logistically significant portion of the project corridor, and its completion materially advances overall site control. In addition, major federal ROW authorizations from the Bureau of Land Management and the U.S. Fish and Wildlife Service are currently in advanced stages of review and are anticipated to be finalized in the coming weeks. These remaining segments are well-defined, with environmental compliance milestones achieved (including PA and FONSI), and are not expected to introduce material risk to project delivery. The 60% completion estimate accounts for: Full completion of the largest ROW segment (DNR) Advanced-stage federal ROWs nearing execution (BLM and USFWS) Ongoing progress on supporting site control elements, including Tribal and landowner coordination This approach aligns with federal reporting expectations by incorporating both executed ROWs	0%	10%	13%	0%	1%	60%				%

	and those in final stages of approval, where substantial progress has been achieved and remaining actions are procedural in nature.										
Construction Permits And Other Approvals	Quintillion has secured permits and approvals necessary to initiate the majority of subsea construction activities, representing a significant portion of the overall project scope. These approvals position the project to proceed with critical marine installation activities in alignment with the construction schedule. Remaining permits are primarily associated with terrestrial and nearshore components. Quintillion anticipates receiving key permits from the Alaska Department of Transportation & Public Facilities in the near term. Borough-level permits are also in progress and are expected to be issued in the May–June timeframe, following standard local review and coordination processes. Methodology for Percentage Completion: The reported 50% completion reflects that: Permits required for the majority of subsea work (the most complex and schedule-critical component) have been secured Remaining permits are limited in scope to terrestrial, road crossing, and local jurisdictional approvals Outstanding permits are in active coordination with defined timelines and no identified barriers to issuance This percentage accounts for both the relative weighting of subsea versus terrestrial permitting complexity and the advanced stage of remaining approvals.	0%	5%	6%	0%	8.92%	50%				%
Site Preparation	We have designs completed for site prep. As FONSI was just issued on April 1st, we have not begun physical site prep.	0%	0%	0%	0%	0%	10%				%
Equipment Procurement	Most of our procurement has been conducted through our System Supply Contract with our subsea team. Additional procurement includes local materials, gravel, ancillary supplied, and items purchased by our contractors.	0%	0%	0%	22.26%	58.94%	90%				%
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	Our network build designs are complete and are not expected to change much. As FONSI was just awarded April 1st, after the time period of this report, we have not begun the physical network build.	0%	0%	0%	0%	0%	20%				%
Equipment Deployment	Our equipment deployment is the completion of cable and repeater integration underway in a factory outside of the project environment. No equipment has been deployed to the field.	0%	0%	0%	0%	0%	25%				%
Network Testing	Network testing has been completed on our Long-Term-Lease segment of the project. We have not tested additional segments as they are not yet constructed.	0%	0%	0%	0%	0%	15%				%

Status of Procurement	We have procured the vast majority of our equipment, supplies, and resources. Remaining procurements include Submarine Line Terminal Equipment (SLTE), contractors for PSO and Client Rep duties, among other smaller-scale items and services that we may need.	0%	0%	9%	22.26%	25%	80%				%
Other	During this reporting period, Quintillion advanced several cross-cutting activities that support successful project execution, compliance, and stakeholder alignment. These efforts are complementary to engineering, permitting, and procurement and are critical to maintaining schedule, funding compliance, and community coordination. Tribal and Community Engagement: Continued coordination with Tribal governments, Alaska Native corporations, and local stakeholders to support site control, easements, and project awareness. Engagement efforts remain aligned with Programmatic Agreement (PA) commitments and culturally appropriate consultation practices. Site Control and Land Access Coordination: Ongoing execution of easement discussions, consent agreements, and land access documentation in support of construction readiness.		25%	57%	38%	32%	55%				%

ACTUAL PROJECT MILESTONES* **		**Year 6**		**Year 7**		**Year 8**		**Year 9**		**Year 10**	
		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	Our current spend of $73M reflects a project completion percentage of 46%										%
Environmental Assessment	Quintillion has completed all major environmental review and compliance requirements necessary to support construction activities under the project. Completion of the Environmental Assessment (EA), Programmatic Agreement (PA), and Cultural Resource Management Plan (CRMP). Issuance of a Finding of No Significant Impact (FONSI) under the National Environmental Policy Act, confirming that the project may proceed without significant environmental impact. The reported 100% completion reflects that all major environmental reviews, consultations, and permits required under NEPA, NHPA, ESA, and Clean Water Act authorities have been completed and approved. The remaining activity is limited to a single, discrete determination that is procedural and nearing completion.										%
Network Design	Our network design is considered a Final Design. We anticipate minor changes to cable depth and possibly alignment based on Department of Transportation requests. During this reporting period, the network design progressed through detailed engineering, route validation, environmental alignment, and coordination with permitting requirements. The design incorporates subsea fiber segments, terrestrial connections, beach manholes, cable landing station										%

	infrastructure, and use of existing third-party backhaul connectivity to support the final connection toward Homer.										
Rights Of Way	The reported percentage of completion reflects a weighted assessment of total right-of-way (ROW) requirements across the full Nome to Homer Express project corridor, based on the relative scale, complexity, and criticality of each ROW segment. A substantial portion of the overall ROW scope has been completed with the successful execution of the ROW authorization from the Alaska Department of Natural Resources (DNR). This segment represents the largest and most logistically significant portion of the project corridor, and its completion materially advances overall site control. In addition, major federal ROW authorizations from the Bureau of Land Management and the U.S. Fish and Wildlife Service are currently in advanced stages of review and are anticipated to be finalized in the coming weeks. These remaining segments are well-defined, with environmental compliance milestones achieved (including PA and FONSI), and are not expected to introduce material risk to project delivery. The 60% completion estimate accounts for: Full completion of the largest ROW segment (DNR) Advanced-stage federal ROWs nearing execution (BLM and USFWS) Ongoing progress on supporting site control elements, including Tribal and landowner coordination This approach aligns with federal reporting expectations by incorporating both executed ROWs and those in final stages of approval, where substantial progress has been achieved and remaining actions are procedural in nature.										%
Construction Permits And Other Approvals	Quintillion has secured permits and approvals necessary to initiate the majority of subsea construction activities, representing a significant portion of the overall project scope. These approvals position the project to proceed with critical marine installation activities in alignment with the construction schedule. Remaining permits are primarily associated with terrestrial and nearshore components. Quintillion anticipates receiving key permits from the Alaska Department of Transportation & Public Facilities in the near term. Borough-level permits are also in progress and are expected to be issued in the May–June timeframe, following standard local review and coordination processes. Methodology for Percentage Completion: The reported 50% completion reflects that: Permits required for the majority of subsea work (the most complex and schedule-critical component) have been secured Remaining permits are limited in scope to terrestrial, road crossing, and local jurisdictional approvals Outstanding permits are in active coordination with defined timelines and no identified barriers to issuance This percentage accounts for both the relative weighting of subsea versus terrestrial permitting complexity and the advanced stage of remaining approvals.										%
Site Preparation	We have designs completed for site prep. As FONSI was just issued on April 1st, we have not begun physical site prep.										%

Equipment Procurement	Most of our procurement has been conducted through our System Supply Contract with our subsea team. Additional procurement includes local materials, gravel, ancillary supplied, and items purchased by our contractors.										%
Network Build (all components - owned, leased, Indefeasible Rights of Use, etc.)	Our network build designs are complete and are not expected to change much. As FONSI was just awarded April 1st, after the time period of this report, we have not begun the physical network build.										%
Equipment Deployment	Our equipment deployment is the completion of cable and repeater integration underway in a factory outside of the project environment. No equipment has been deployed to the field.										%
Network Testing	Network testing has been completed on our Long-Term-Lease segment of the project. We have not tested additional segments as they are not yet constructed.										%
Status of Procurement	We have procured the vast majority of our equipment, supplies, and resources. Remaining procurements include Submarine Line Terminal Equipment (SLTE), contractors for PSO and Client Rep duties, among other smaller-scale items and services that we may need.										%
Other	During this reporting period, Quintillion advanced several cross-cutting activities that support successful project execution, compliance, and stakeholder alignment. These efforts are complementary to engineering, permitting, and procurement and are critical to maintaining schedule, funding compliance, and community coordination. Tribal and Community Engagement: Continued coordination with Tribal governments, Alaska Native corporations, and local stakeholders to support site control, easements, and project awareness. Engagement efforts remain aligned with Programmatic Agreement (PA) commitments and culturally appropriate consultation practices. Site Control and Land Access Coordination: Ongoing execution of easement discussions, consent agreements, and land access documentation in support of construction readiness.										%

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
Nome to Homer Express Project	Active	Quintillion Subsea Operations will be the subrecipient for the entire grant award -Engineering, permitting, manufacturing, installation, activation and operation of a subsea and terrestrial fiber optic communication network connecting Nome, AK, with Homer, AK.	Quintillion Subsea Operations -No elements of this award will be retained by QSH Parent Holdco-as everything passes through our subrecipient Quintillion Subsea Operations, LLC ("QSO") a wholly owned subsidiary of the Applicant. All operations and business	**true**	**false**	**false**	$88896493.83	$28588105.87	$60308387.96	32 %

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	$1,541,558.75	$809,941.25	$2,351,500.00	$1,131,865.45	$944,568.49	$2,076,433.94	73%
6a. Land, structures, rights-of way, appraisals, etc.	$2,515,680.17	$1,321,748.63	$3,837,428.80	$869,632.65	$605,644.06	$1,475,276.71	35%
6a. Relocation expenses and payments	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A

6a. Architectural and engineering fees	$2,311,186.82	$1,214,306.99	$3,525,493.81	$1,077,631.86	$511,076.68	$1,588,708.54	47%
6a. Other architectural and engineering fees	$3,397,482.06	$4,785,050.94	$8,182,533.00	$2,822,728.20	$4,965,649.34	$7,788,377.54	83%
6a. Project inspection fees	$324,504.18	$170,495.82	$495,000.00	$28,956.11	$23,339.56	$52,295.67	9%
6a. Site work	$380,227.12	$199,772.88	$580,000.00	$371.74	$258.86	$630.60	0%
6a. Demolition and removal	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Construction	$51,454,552.93	$27,034,432.02	$78,488,984.95	$16,731,178.44	$6,002,175.93	$22,733,354.37	33%
6a. Equipment	$16,982,471.49	$8,922,659.80	$25,905,131.29	$10,963,945.50	$2,524,131.94	$13,488,077.44	65%
6a. Miscellaneous	$9,988,824.73	$27,209,419.27	$37,198,244.00	$2,000,000.00	$21,961,250.00	$23,961,250.00	20%
6a. Subtotal	$88,896,488.25	$71,667,827.60	$160,564,315.85	$35,626,309.95	$37,538,094.86	$73,164,404.81	40%
6a. Contingencies	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A
6a. Totals	$88,896,488.25	$71,667,827.60	$160,564,315.85	$35,626,309.95	$37,538,094.86	$73,164,404.81	40%

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.

Yes

02/10/2026
Files Uploaded for Related Documentation: Emmonak Hazard Screening.pdf

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

Files Uploaded for Hazard Screening Information: Climate_Resilience_Completed.xlsx

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)?

For the Nome to Homer Express Middle Mile project, the most significant weather and climate hazards that could impact long-term infrastructure resiliency include extreme cold, coastal erosion, inland and coastal flooding, ice-related impacts, high winds, severe storm events, and changing waterway conditions.

Key hazards include:

Extreme cold and freeze-thaw cycles, which can affect buried terrestrial infrastructure, conduit integrity, equipment shelters, power systems, and access for maintenance activities.
Coastal erosion and storm surge, particularly in low-lying coastal communities and beach landing locations, which could expose buried fiber, damage beach manholes, or impact cable landing stations.
Inland and coastal flooding, including flooding from rivers, snowmelt, heavy precipitation, and seasonal ice breakup, which could affect terrestrial routes, access roads, and construction areas.
Sea ice, ice scouring, and bottom-fast ice conditions, which are particularly important for subsea cable segments and nearshore landings. Ice movement can create additional risk for shallow buried cable, beach manholes, and shoreline infrastructure.
Extreme winds and severe storm events, including typhoons and strong Bering Sea storms, which can impact marine installation activities, vessel access, construction schedules, and long-term infrastructure exposure.
Waterway and channel changes caused by storms, erosion, sediment movement, and shifting river conditions, particularly in areas such as Emmonak and Hooper Bay, where channel stability may affect installation feasibility and long-term cable protection.
Wildfire risk is lower than in many other regions of the country but may still affect some terrestrial segments, especially in interior areas during unusually dry summer conditions.
Permafrost degradation and changing ground conditions may also become more significant over time, potentially affecting buried terrestrial infrastructure, foundations, and long-term route stability.

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

Quintillion monitored weather- and climate-related risks to system reliability through ongoing review of available federal and state data sources, project-specific field observations, and coordination with technical consultants and local stakeholders. Key monitoring resources included weather forecasts, storm tracking, floodplain information, coastal erosion data, and ice condition reports from agencies such as National Oceanic and Atmospheric Administration and Federal Emergency Management Agency.

The project team also reviewed changing local conditions in key areas, including waterway shifts, channel stability, storm impacts, seasonal ice conditions, and erosion concerns that could affect subsea and terrestrial installation activities. Information gathered through local observations, contractor feedback, and engineering reviews was used to identify emerging risks and inform mitigation planning, routing decisions, installation timing, and resiliency measures.

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?

Yes

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

To address these hazards, Quintillion is incorporating route analysis, engineering design considerations, burial depth strategies, weather monitoring, pre-lay and geotechnical surveys, shoreline protection measures, and contingency planning into project development and construction activities. Quintillion will perform additional survey of the Emmonak current route.

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?

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?)	No

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		1	0	0	0	1	0	0	0	0	0	0	0							2
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).	Because construction activities have not yet begun during this reporting period, Davis-Bacon labor classifications, certified payrolls, and wage verification records have not yet been collected. Quintillion will begin collecting and reviewing this information once construction mobilization starts and covered labor activities commence. At that time, contractors and subcontractors will be required to provide certified payroll records and supporting documentation demonstrating compliance with applicable Davis-Bacon prevailing wage requirements.
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).	Because construction activities have not yet begun during this reporting period, Davis-Bacon labor classifications, certified payrolls, and wage verification records have not yet been collected. Quintillion will begin collecting and reviewing this information once construction mobilization starts and covered labor activities commence. At that time, contractors and subcontractors will be required to provide certified payroll records and supporting documentation demonstrating compliance with applicable Davis-Bacon prevailing wage requirements.
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,	**Number of Jobs**

Workforce Demographic Data																							
Ethnicity and Sex	**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		1	1	0	0	0	0	0	0	0	0	1	0								3
Jobs Retained	0	0		1	0	0	0	0	0	0	0	0	0	0	0								1

Unionized Workforce	
12-a. Does this project include some workforce elements that are unionized?	Yes
12-b. Are workers provided access to union educators/organizers on employer property or during the work day?	Yes
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?	Yes

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.

Quintillion has taken several steps to ensure the project will have access to a sufficient supply of appropriately skilled labor throughout the life of the project. As part of all major procurements, Quintillion includes technical capability, experience, staffing approach, safety record, and relevant project performance as key evaluation criteria within its RFP process. Vendors and contractors are required to demonstrate experience with comparable broadband, subsea, terrestrial fiber, marine, civil, and telecommunications infrastructure projects, including work in remote Alaska conditions and environmentally sensitive areas. Quintillion's procurement process also evaluates vendor capacity to manage workforce continuity over the duration of the project, including the ability to scale staffing levels as needed to meet project milestones, seasonal construction windows, and remote logistics requirements. This is especially important given the project's reliance on specialized labor for subsea cable installation, directional drilling, environmental fieldwork, and rural construction activities.

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

o attract and retain qualified labor, Quintillion pays wages that are consistent with applicable Davis-Bacon prevailing wage requirements and requires its contractors and subcontractors to do the same. Compliance with Davis-Bacon wage requirements helps ensure the project remains competitive in attracting and retaining experienced workers, particularly in Alaska's limited and highly specialized labor market.

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

All our contractors offer Safety Training to their staff and have staff that hold required certifications and/or Licensure for their roles.

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.

N/A

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.

Quintillion requires contractors to ensure workers receive appropriate safety training, certifications, and personal protective equipment for their roles. This may include OSHA training, and training appropriate for the work being performed. In addition, Quintillion's scheduling approach takes into account seasonal weather windows, ice conditions, environmental restrictions, and safe mobilization timing to reduce the likelihood of workers

being exposed to unnecessary hazards. This is particularly important for remote Alaska construction, marine work, and winter field activities where weather, transportation access, and emergency response capabilities may be limited. For remote fieldwork and cultural resource surveys in Alaska, Quintillion also requires appropriate wildlife safety measures. This includes the use of trained bear guards to accompany cultural resource and environmental field teams in areas where bear encounters may occur. Bear guards help monitor wildlife activity, reduce risk to field personnel, and support safe completion of survey work in remote areas.
13d. For your MM project, please provide a brief description below of efforts made to ensure a safe and healthy workplace.
Prior to beginning work, contractors are expected to develop project-specific health and safety plans, emergency response plans, job hazard analyses, and site-specific risk mitigation procedures. These plans address hazards associated with remote work environments, severe weather, marine operations, subsea cable installation, heavy equipment, trenching, directional drilling, confined spaces, wildlife encounters, aviation support, and transportation logistics in Alaska.
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
Professional Certifications In-House Training

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**
TerraSond Limited	Inactive	11	Production Lead, Health, Safety, Environmental and Quality Advisor, Lead Processor Geophysicist, hydrographer, surveyor
Tetra Tech, Inc.	Inactive	4	Project Manager, Routing Lead Survey Engineer
Strategic Implementations Consulting	Active	1	Project Mangement & Engineering Support, Technical Consultant
Wopschall Consulting LLC	Inactive	1	Subsea Technical consultant

48 North Now known as ESA | Environmental Science Associates	Active	5	Owner Acquired Permitting/Environmental consultants
SGV International	Active	2	Outside Plant engineering
Benthic Geoscience	Inactive	3	Marine Surveyors
Deesrstone Consuting	Active	2	Tribal Engagement Resource
Utility Technologies, Inc.	Active	6	Project Manager – Oversees scope, schedule, budget, and compliance. Construction Manager / Superintendent – Directs daily field operations and contractor activities. Project Coordinator / Scheduler – Tracks progress, updates Gantt charts, manages reports. Safety Officer / HSE Manager – Ensures site safety and OSHA compliance. Quality Control (QC) Inspector – Verifies workmanship and material compliance. Permitting / Environmental Specialist – Coordinates with agencies for ROW, NEPA, and permit compliance. Engineering & Design Civil Engineer / Field Engineer – Designs alignments, crossings, and supports construction layout. Survey Crew / GIS Technician – Performs route surveys, staking, and as-built mapping. CAD / Drafting Technician – Prepares construction drawings and revisions. Material Estimator / Procurement Specialist – Manages BOMs, materials, and logistics Foreman / General Foreman – Supervises crew operations. Equipment Operator – Operates trenchers, plows, excavators, and rigs. Laborer / Groundman – Assists with trenching, conduit placement, and site cleanup. Fiber Puller / Cable Installer – Pulls, lays, and secures fiber optic cable. Splicer / Fiber Technician – Performs fiber splicing, terminations, and testing. Pole Line Worker / Lineman – Installs aerial cable, anchors, and attachments. Traffic Control Technician / Flaggers – Manages public roadway safety during construction.
UMIAQ	Active	10	Professional Land Surveyors Mapping Professional Project manger GIS professional
STG	Active	4	Civil Construction Laborers Equipment Operators Electricians Fiber Optic Technicians Structured Cabling Technicians Network Installation Technicians HVAC Technicians Generator and Power Systems Technicians Safety and Quality Personnel Administrative and Logistics Support
Koniag	Active	4	Engineering and Design Personnel Fabrication and Assembly Personnel

			Skilled Trades Structural Engineer Civil Engineer Mechanical Engineer Electrical Engineer Telecommunications Engineer CAD Designer / Drafting Technician BIM Technician Fabrication Manager Procurement and Materials Coordinator Quality Control / Quality Assurance Manager Fabrication Technicians Welders / Metal Fabricators Electricians HVAC Technicians Generator and Power Systems Technicians Shelter Assembly Technicians Logistics and Shipping Coordinators
Alaska directional	Active	4	HDD Technical Personnel Equipment Operators and Skilled Trades HDD Superintendent HDD Foreman Logistics and Administrative Support
Stephl Engineering-subcontractor to Alaska Directional	Active	1	SME HDD-Project Manager
JVs Solutions	Active	1	Shore End / Marine Engineer
Meridian Management	Active	4	Permitting Specialist Right-of-Way / Easement Coordinator Project Manager
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.			
It is included as part of the executed contract with each vendor.			

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	These questions were answered via file upload. **File Uploaded with Responses:** Anchor Institutions _QSH Parent Hold Co_Bi-Annual Performance Report_ October 1st, 2025 to March 31st, 2026.xlsx
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.

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	0	0				
15a-2 Number of AIs within 1,000 feet of the middle mile infrastructure	0	0	0	0	0	0				
15a-3. Total number of AIs served	0	0	0	0	0	0				

15a-4. AIs with new access	0	0	0	0	0	0				
15a-5. AIs with improved access	0	0	0	0	0	0				
15a-6. Total number of AIs served with speeds of at least 1/1Gbps	0	0	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	0	0				%
15b-2 Broadband wholesalers or last mile providers with new access	0	0	0	0	0	0				%
15b-3. Broadband wholesalers or last mile providers with improved access	0	0	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	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	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	0	0				%

PROJECTED NUMBER OF SUBSCRIBERS AND SPEED	**Year 6**		**Year 7**		**Year 8**		**Year 9**		**Year 10**	
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										
15a-2 Number of AIs within 1,000 feet of the middle mile infrastructure										

15a-3. Total number of AIs served										
15a-4. AIs with new access										
15a-5. AIs with improved access										
15a-6. Total number of AIs served with speeds of at least 1/1Gbps										
15b. Broadband Wholesalers or Last Mile Providers* **										
15b-1. Total number of broadband wholesalers or last mile providers served										
15b-2 Broadband wholesalers or last mile providers with new access										
15b-3. Broadband wholesalers or last mile providers with improved access										
15b-4. Total number of broadband wholesalers or last mile providers offering speeds of at least 25/3 Mbps										
15b-5. Total number of broadband wholesalers or last mile providers offering speeds of at least 100/20 Mbps										
15b-6. Total number of broadband wholesalers or last mile providers offering speeds of at least 1/1 Gbps										

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.

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	0	0				
16b. Total of fiber miles leased	0	0	0	0	127	127				
16c. Total of existing fiber miles upgraded	0	0	0	0	0	0				
16d. Total number of new microwave links	0	0	0	0	0	0				
16e. Total number of new towers	0	0	0	0	0	0				
16f. Total number of new interconnection points	0	0	0	0	0	0				
16g. Total number of signed agreements with broadband wholesalers or last mile providers	0	0	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	1	1				

NETWORK BUILD PROGRESS***	Year 6		Year 7		Year 8		Year 9		Year 10	
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)										

16b. Total of fiber miles leased										
16c. Total of existing fiber miles upgraded										
16d. Total number of new microwave links										
16e. Total number of new towers										
16f. Total number of new interconnection points										
16g. Total number of signed agreements with broadband wholesalers or last mile providers										
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)										

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.

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?	0	0	0	0	Buried and Subsea	yes				

17a-2. Number of strands deployed	0	0	0	0	0	0				
17a-3. Number of miles of buried fiber deployed	0	0	0	0	0	0				
17a-4. Number of miles of aerial fiber deployed	0	0	0	0	0	0				
17a-5. Estimated capacity of fiber (i.e. throughput)	0	0	0	0	0	0				
17a-6. Deployment cost per mile of buried fiber optics	$0.00	$0.00	$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	$0.00	$0.00				
17a-8. Total Spent on Buried Fiber Deployment this reporting period	$0.00	$0.00	$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	$0.00	$0.00				
17a-10. Total spent on Fiber Deployment this reporting period	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00				

17a. Fiber Optic Based ***	**Year 6**		**Year 7**		**Year 8**		**Year 9**		**Year 10**	
	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?										
17a-2. Number of strands deployed										
17a-3. Number of miles of buried fiber deployed										
17a-4. Number of miles of aerial fiber deployed										

17a-5. Estimated capacity of fiber (i.e. throughput)										
17a-6. Deployment cost per mile of buried fiber optics										
17a-7. Deployment cost per mile of aerial fiber optics										
17a-8. Total Spent on Buried Fiber Deployment this reporting period										
17a-9. Total Spent on Aerial Fiber Deployment this reporting period										
17a-10. Total spent on Fiber Deployment this reporting period										

17a. Fiber Optic Based *, Long Text Responses and File Uploads**	
Current Period (Year 3, 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	0	0				
17b-2. How many microwave nodes are operating for reporting period?	0	0	0	0	0	0				

17b-3. Installation cost per microwavable node	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00				
17b-4. Number of new towers built to support microwave structure	0	0	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	N/A	N/A				
17b-6. Average cost per tower installed	$0.00	$0.00	$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	$0.00	$0.00				
17b-8. Total spend on microwave deployment this reporting period	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00				

17b. Microwave Based ***	**Year 6**		**Year 7**		**Year 8**		**Year 9**		**Year 10**	
	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?										
17b-2. How many microwave nodes are operating for reporting period?										
17b-3. Installation cost per microwavable node										
17b-4. Number of new towers built to support microwave structure										
17b-5. If applicable, what type of tower was constructed (a) Monopole (b) Self-Support, (c) Guyed, or (d) Other during this reporting period?										
17b-6. Average cost per tower installed										
17b-7. Total spend on Tower deployment this reporting period										

17b-8. Total spend on microwave deployment this reporting period										

17b. Microwave *, Long Text Responses and File Uploads**	
Current Period (Year 3, 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).	N/A
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?	0	0	0	0	0	0				
17c-2. What is the estimated capacity of the satellite link (i.e. throughput)?	0	0	0	0	0	0				
17c-3. What is the associated cost to use this satellite service?	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00				

17c. Satellite ***	**Year 6**		**Year 7**		**Year 8**		**Year 9**		**Year 10**	
	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?										
17c-2. What is the estimated capacity of the satellite link (i.e. throughput)?										

17c-3. What is the associated cost to use this satellite service?										

17c. Satellite *, Long Text Responses and File Uploads**	
Current Period (Year 3, Period 2)	
17c-4. Please provide any additional information about the Satellite deployment (200 words or less)	N/A
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 Quintillion 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 Quintillion is in compliance with the Build America, Buy America Act for the bi-annual period for which this report is being filed. **File Uploaded:** QSH Parent Holdco Inventory report Y3P2_03.30.26_updated 5.15.26.xlsx, QSH Parent Holdco Inventory report Y3P2_03.30.26_02-40-MM503.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 McHale
20b. Signature of Certifying Official:	Michael McHale

20c. Telephone (area code, number and extension):	3038833599
20d. Email Address:	mmchale@quintillionglobal.com
20e. Date:	05/19/2026