



Comprehensive Community Infrastructure Budget Narrative Template

Applicant Name: Silver Star Telephone Company, Inc.

EasyGrants Number: 7357

Organization Type: For Profit Corporation

Proposed Period of Performance: 3 years

Total Project Costs: \$7,234,820

Total Federal Grant Request: \$5,608,179

Total Matching Funds (Cash): \$1,009,841

Total Matching Funds (In-Kind): \$616,800

Total Matching Funds (Cash + In-Kind): \$1,626,641

Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 22.5%

1. Administrative and legal expenses - \$20,000

\$20,000 has been allocated for this category based on an estimated 200 hours of time at the fully loaded labor rate of \$100 per hour.

Cash Matching Funds source - none

In-Kind Matching Funds source - \$20,000; 200 hours at \$100/hour of staff time.

See the CCI Detailed Budget Attachment for additional documentation.

2. Land, structure, rights-of-way, appraisals, etc. - \$176,000

\$176,000 has been allocated for this category based on the estimated cost of an 8x10 prefabricated equipment hut, standby generator backup power, and the site acquisition for the hut.

Cash Matching Funds source - none

In-Kind Matching Funds source - none



See the CCI Detailed Budget Attachment for additional documentation.

3. Relocation expenses and payment - \$0

Cash Matching Funds source - none

In-Kind Matching Funds source - none

4. Architectural and engineering fees - \$444,400

\$444,400 has been allocated for this category based on an estimated 2,344 hours of time at the fully loaded labor rate of \$100 per hour plus consultant fees, Agency fees and permitting costs.

Cash Matching Funds source - \$210,000 paid to consultants for the Environmental study.

In-Kind Matching Funds source - \$234,400; 2,344 hours at \$100/hour of staff time.

See the CCI Detailed Budget Attachment for additional documentation.

5. Other architectural and engineering fees - \$100,000

Cash Matching Funds source - \$60,000; permit fee.

In-Kind Matching Funds source - \$40,000; 400 hours at \$100/hour of staff time for application preparation.

6. Project inspection fees - \$289,400

\$289,400 has been allocated for this category based on an estimated 2,724 hours of staff time at the fully loaded labor rate of \$100 per hour, plus estimated Agency inspection fees.

Cash Matching Funds source - \$17,000; estimated Agency inspection fees of 200 hours at \$85/hr.

In-Kind Matching Funds source - \$272,400; 2,724 hours of staff time at \$100/hour.

See the CCI Detailed Budget Attachment for additional documentation.



7. Site work - \$16,000

\$16,000 has been allocated for this category based on the estimated cost to construct the foundation for the equipment hut, electrical service to the hut, and construction of a concrete pad for a standby generator at the hut.

Cash Matching Funds source – none

In-Kind Matching Funds source - none

See the CCI Detailed Budget Attachment for additional documentation.

8. Demolition and removal - \$0

Cash Matching Funds source – none

In-Kind Matching Funds source - none

9. Construction - \$5,416,179

\$5,416,179 has been allocated for this category based on the estimated cost of construction of 89 miles of a fiber optic cable project through portions of the Town of Jackson and Teton County Wyoming across rugged terrain and through periods of severe winter conditions.

Cash Matching Funds source – none

In-Kind Matching Funds source - none

See the CCI Detailed Budget Attachment for additional documentation.

10. Equipment - \$760,641

\$760,641 has been allocated for this category based on the estimated cost of fiber optic electronics purchase and installation, and the cost to provide commercial power to the equipment hut.

Cash Matching Funds source – \$722,841 Equipment purchase cost and cost paid to the power company to bring commercial power to the equipment hut.

In-Kind Matching Funds source - \$37,800 Equipment installation and power installation assistance - 378 hours of staff time at \$100/hour.

See the CCI Detailed Budget Attachment for additional documentation.



11. Miscellaneous - \$12,200

\$12,200 has been allocated for this category based on the estimated cost to integrate the design of the transport and access systems for the project with the existing system operated by the applicant.

Cash Matching Funds source - none

In-Kind Matching Funds source - \$12,200; 122 hours of staff time at \$100/hour.

See the CCI Detailed Budget Attachment for additional documentation.

13. Contingencies - \$0

- Contingencies are an unallowable expenditures under BTOP.

15. Project (program) income - \$0

- The value for this line-item on the SF-424C is \$0. Please do not provide an estimated Project (program income) on the SF-424C.

BTOP Comprehensive Community Infrastructure Detailed Budget

Please complete the General Budget Overview and Detailed Project Costs worksheets.

Please refer to the Comprehensive Community Infrastructure Grant Guidance for detailed instructions on the completing this attachment.

Applicants are required to provide this attachment as an Excel file, and not to convert it to PDF when submitting a copy of their application on an appropriate electronic medium, such as a DVD, CD-ROM, or flash drive. Applicants should not alter the layout of the provided templates, except to insert additional line-items as needed in the Detailed Project Costs worksheet.

General Budget Overview

Budget	Federal Funding Request	Matching Funds (Cash)	Matching Funds (In-Kind)	Budget TOTAL	Last Mile Allocation	Middle Mile Allocation	Allocated TOTAL
Network & Access Equipment (switching, routing, transport, access)		\$637,019	\$36,400	\$673,419		\$673,419.13	\$673,419
Outside Plant (cables, conduits, ducts, poles, towers, repeaters, etc.)	\$5,416,179			\$5,416,179		#####	\$5,416,179
Buildings and Land – (new construction, improvements, renovations, lease)	\$176,000	\$13,604	\$1,400	\$191,004		\$191,004.23	\$191,004
Customer Premise Equipment (modems, set-top boxes, inside wiring, etc.)		\$72,218		\$72,218		\$72,217.60	\$72,218
Billing and Operational Support Systems (IT systems, software, etc.)			\$20,000	\$20,000		\$20,000.00	\$20,000
Operating Equipment (vehicles, office equipment, other)				\$0		\$0.00	\$0
Engineering/Professional Services (engineering design, project management, consulting, etc.)		\$287,000	\$546,800	\$833,800		\$833,800.00	\$833,800
Testing (network elements, IT system elements, user devices, test generators, lab furnishings, servers/computers, etc.)			\$12,200	\$12,200		\$12,200.00	\$12,200
Site Preparation	\$16,000			\$16,000		\$16,000.00	\$16,000
Other				\$0		\$0.00	\$0
TOTAL BROADBAND SYSTEM:	\$5,608,179	\$1,009,841	\$616,800	\$7,234,820	\$0	\$7,234,820	\$7,234,820
Cost Share Percentage:	77.52%	13.96%	8.53%				

DETAIL OF PROJECT COSTS

PLEASE COMPLETE THE TABLE BELOW FOR THE DIFFERENT CATEGORIES OF EQUIPMENT THAT WILL BE REQUIRED FOR
COMPLETING THE PROJECT. EACH CATEGORY SHOULD BE BROKEN DOWN TO THE APPROPRIATE LEVEL FOR IDENTIFYING
UNIT COST

SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
NETWORK & ACCESS EQUIPMENT					\$673,419	\$0	\$673,419	\$673,419		
Switching					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Routing					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Transport	JACKSON (DWDM/SONET)	Cash Match	\$132,785.05	1	\$132,785		\$132,785.05	\$132,785	10. Equipment	
	MORAN (DWDM/SONET)	Cash Match	\$192,779.79	1	\$192,780		\$192,779.79	\$192,780	10. Equipment	
	Togwotee (DWDM ADVA)	Cash Match	\$99,373.89	1	\$99,374		\$99,373.89	\$99,374	10. Equipment	
	Togwotee (DWDM FUJITSU)	Cash Match	\$157,500.00	1	\$157,500		\$157,500.00	\$157,500	10. Equipment	
	INSTALLATION	In-kind Match	\$100.00	320	\$32,000		\$32,000.00	\$32,000	10. Equipment	
Access	JACKSON ACCESS	Cash Match	\$28,806.10	1	\$28,806		\$28,806.10	\$28,806	10. Equipment	
	MORAN ACCESS	Cash Match	\$25,774.30	1	\$25,774		\$25,774.30	\$25,774	10. Equipment	
	INSTALLATION	In-kind Match	\$100.00	44	\$4,400		\$4,400.00	\$4,400	10. Equipment	
Other										
					\$0			\$0		
OUTSIDE PLANT					\$5,416,179	\$0	\$5,416,179	\$5,416,179		
Cables								\$0		
	BFO 288		4.21	46667	\$196,468		\$196,468.07	\$196,468	9. Construction	
	BFO96		2.33	387203	\$902,183		\$902,182.99	\$902,183	9. Construction	
	BFO48		2.2	3400	\$7,480		\$7,480.00	\$7,480	9. Construction	
	BFO24		2.11	10000	\$21,100		\$21,100.00	\$21,100	9. Construction	
Conduits	HDPE 1.25" PLOW 48"		3.94	298230	\$1,175,026		\$1,175,026.20	\$1,175,026	9. Construction	
	HDPE 1.25" PLOW 36"		3.7	96305	\$356,329		\$356,328.50	\$356,329	9. Construction	
	HDPE 1.25" TRENCH 48"		5.88	82300	\$483,924		\$483,924.00	\$483,924	9. Construction	
	HDPE 1.25" TRENCH 48" CITY		14.38	6000	\$86,280		\$86,280.00	\$86,280	9. Construction	
	HDPE 1.25" TRENCH 36"		5.65	3760	\$21,244		\$21,244.00	\$21,244	9. Construction	
	BORE HDPE 4"		39.02	10340	\$403,467		\$403,466.80	\$403,467	9. Construction	
	STEEL 4"		36.51	3730	\$136,182		\$136,182.30	\$136,182	9. Construction	
					\$0			\$0		
Ducts					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Poles					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Towers					\$0			\$0		
					\$0			\$0		

					\$0			\$0		
Repeaters					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Other								\$0		
	BHF 24X36		553.44	165	\$91,318		\$91,317.60	\$91,318	9. Construction	
	BHF 30X36		771.62	15	\$11,574		\$11,574.30	\$11,574	9. Construction	
	HBFO D6		689.71	10	\$6,897		\$6,897.10	\$6,897	9. Construction	
	HBFO B6		484.61	114	\$55,246		\$55,245.54	\$55,246	9. Construction	
	HBFO A8		4	446.57	\$1,786		\$1,786.28	\$1,786	9. Construction	
	FIBER SPLICING		20.2	16060	\$324,412		\$324,412.00	\$324,412	9. Construction	
	BA-3 MARKER POSTS		34.44	180	\$6,199		\$6,199.20	\$6,199	9. Construction	
	BM53 BURIED FIBER MARKERS		33.94	526	\$17,852		\$17,852.44	\$17,852	9. Construction	
	BM2(5/8X8) GROUND ROD		44.46	180	\$8,003		\$8,002.80	\$8,003	9. Construction	
	BM71 ROCK SAW		30	29800	\$894,000		\$894,000.00	\$894,000	9. Construction	
	BM72 ASPHALT		15.25	2300	\$35,075		\$35,075.00	\$35,075	9. Construction	
	BACKFILL MATERIAL		1	30000	\$30,000		\$30,000.00	\$30,000	9. Construction	
	MISCELLANEOUS EQUIP. - MAT.		1	144134	\$144,134		\$144,134.00	\$144,134	9. Construction	
					\$0			\$0		
					\$0			\$0		

SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
BUILDINGS					\$191,004	\$0	\$191,004	\$191,004		
New Construction					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Pre-Fab Huts	8X10 EQPT HUT W/INTEGRATION		67,000	1	\$67,000		\$67,000	\$67,000	2. Land, structures	
	EQPT HUT POWER	Cash Match	\$13,604.23	1	\$13,604		\$13,604	\$13,604	10. Equipment	
	EQPT HUT POWER INSTALLATION	In-kind Match	\$100.00	14	\$1,400		\$1,400	\$1,400	10. Equipment	
Improvements & Renovation					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Other	EQUIPMENT SITE ACQUISITION		65000	1	\$65,000		\$65,000	\$65,000	2. Land, structures	
MORAN AND JACKSON HUTS	STANDBY GENERATOR		22000	2	\$44,000		\$44,000	\$44,000	2. Land, structures	
					\$0			\$0		
CUSTOMER PREMISE EQUIPMENT					\$72,218	\$0	\$72,218	\$72,218		
Modems					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Set Top Boxes					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Inside Writing					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Other	ONT/ENCLOSURE/BATTERY	Cash Match	4513.6	16	\$72,218		\$72,218	\$72,218	10. Equipment	EQUIPMENT QUOTE
					\$0			\$0		
					\$0			\$0		
BILLING SUPPORT AND OPERATIONS SUPPORT SYSTEMS					\$20,000	\$0	\$20,000	\$20,000		
Billing Support Systems					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Customer Care Systems					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Other Support	Financial Administration	In-kind Match	100	200	\$20,000		\$20,000	\$20,000	1. Admin and Legal	
					\$0			\$0		
					\$0			\$0		

NETWORK FACILITIES:		Match	Unit Cost	No. of	Total Cost	Last Mile	Middle Mile	Allocated Total	SF-424C Budget	Support of Reasonableness
OPERATING EQUIPMENT					\$0	\$0	\$0	\$0		
Vehicles					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Office Equipment / Furniture					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Other					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
PROFESSIONAL SERVICES					\$833,800	\$0	\$833,800	\$833,800		
Engineering Design	Plant Engineering	In-kind Match	100	600	\$60,000		\$60,000	\$60,000	4. Architectural and engr.	
	Transport Engineering	In-kind Match	100	214	\$21,400		\$21,400	\$21,400	4. Architectural and engr.	
	Access Engineering	In-kind Match	100	30	\$3,000		\$3,000	\$3,000	4. Architectural and engr.	
Project Management	Project Management	In-kind Match	100	1250	\$125,000		\$125,000	\$125,000	4. Architectural and engr.	
	Inspection	In-kind Match	100	2724	\$272,400		\$272,400	\$272,400	6. Inspection fees	
					\$0			\$0		
Consulting	ENVIRONMENTAL ANALYSIS	Cash Match	1.00	210000	\$210,000		\$210,000	\$210,000	4. Architectural and engr.	
					\$0			\$0		
					\$0			\$0		
Other	Agency Inspection	Cash Match	85	200	\$17,000		\$17,000	\$17,000	6. Inspection fees	
Project Compliance	Project Compliance	In-kind Match	100	250	\$25,000		\$25,000	\$25,000	4. Architectural and engr.	
PERMITS	PERMITS	Cash Match	1	60000	\$60,000		\$60,000	\$60,000	5. Other archit. and engr.	
APPLICATION FEE	APPLICATION FEE	In-kind Match	100	400	\$40,000		\$40,000	\$40,000	5. Other archit. and engr.	
TESTING					\$12,200	\$0	\$12,200	\$12,200		
Network Elements					\$0			\$0		
	Transport Engineering	In-kind Match	100	107	\$10,700		\$10,700	\$10,700	11. Misc.	
	Access Engineering	In-kind Match	100	15	\$1,500		\$1,500	\$1,500	11. Misc.	
IT System Elements					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
User Devices					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Test Generators					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Lab Furnishings					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
Servers/Computers					\$0			\$0		
					\$0			\$0		
					\$0			\$0		

SERVICE AREA or COMMON NETWORK FACILITIES:		Match (Cash/In-kind)	Unit Cost	No. of Units	Total Cost	Last Mile Allocation	Middle Mile Allocation	Allocated Total	SF-424C Budget Category	Support of Reasonableness
OTHER UPFRONT COSTS					\$16,000	\$0	\$16,000	\$16,000		
Site Preparation	EQPT HUT FOUNDATION		6000	1	\$6,000		\$6,000	\$6,000	7. Site work	
	GENERATOR PAD		2500	2	\$5,000		\$5,000	\$5,000	7. Site work	
	EQPT HUT ELECTRICAL SERVICE		5000	1	\$5,000		\$5,000	\$5,000	7. Site work	
Other					\$0			\$0		
					\$0			\$0		
					\$0			\$0		
PROJECT TOTAL:					\$7,234,820	\$0	\$7,234,820	\$7,234,820		

BTOP Comprehensive Community Infrastructure Pro Forma Financial Projections

Please complete the Income Statement, Balance Sheet, Cash Flows, and NPV-IRR Table worksheets. Key assumptions used to formulate these financial projections should be listed in the Key Assumptions worksheet. Please note that these are **project-specific** projections, in contrast to the historical financial information which is provided at the organizational level.

Please refer to the Comprehensive Community Infrastructure Grant Guidance for detailed instructions on the completing this attachment.

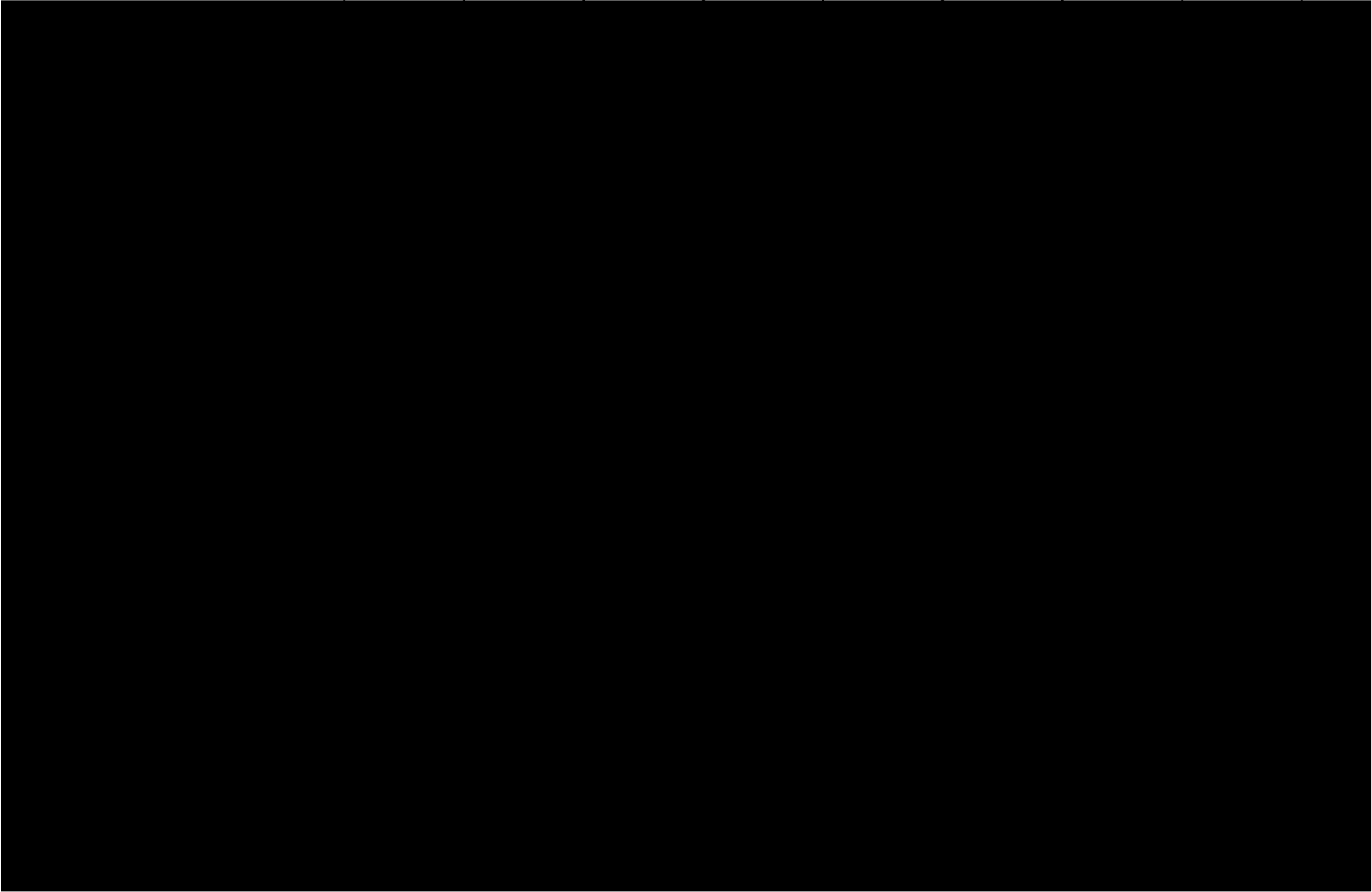
Applicants are required to provide this attachment as an Excel file, and not to convert it to a PDF when submitting a copy of their application on an appropriate electronic medium, such as a DVD, CD-ROM, or flash drive. Applicants may make adjustments to the format of the templates as necessary to provide the most effective presentation of the data for their specific project, but should not remove major headings (*e.g.* Revenues and Expenses on the Income Statement) or provide less detailed information than would be required to complete the provided templates.

Income Statement

Expanding Greater Yellowstone Area Broadband Opportunities
Silver Star Telephone Company, Inc.
Easygrants ID # 7357

Revenues

Forecast Period							
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8

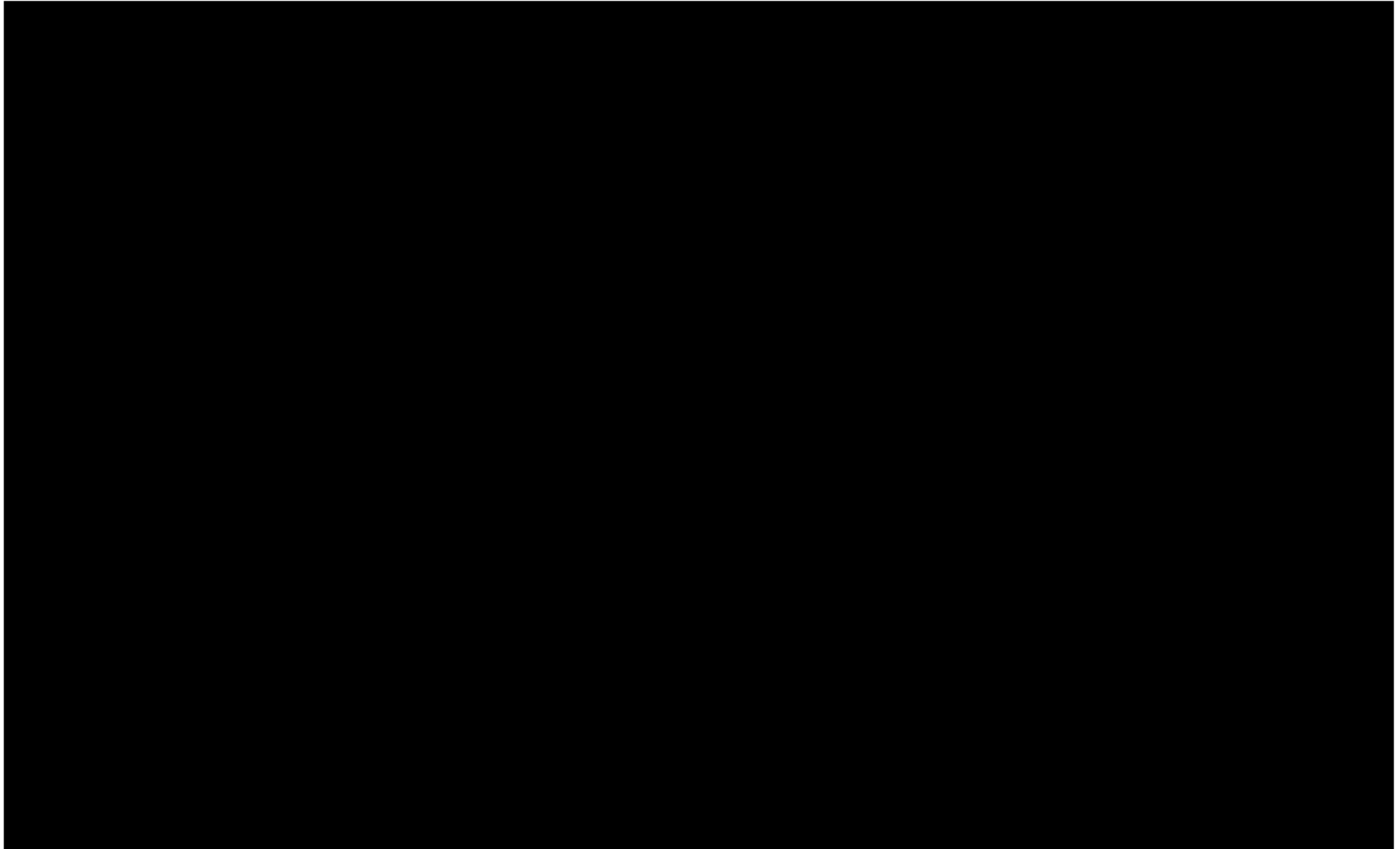


Balance Sheet

Expanding Greater Yellowstone Area Broadband Opportunities
Silver Star Telephone Company, Inc.
Easygrants ID # 7357

Statement of Cash Flows

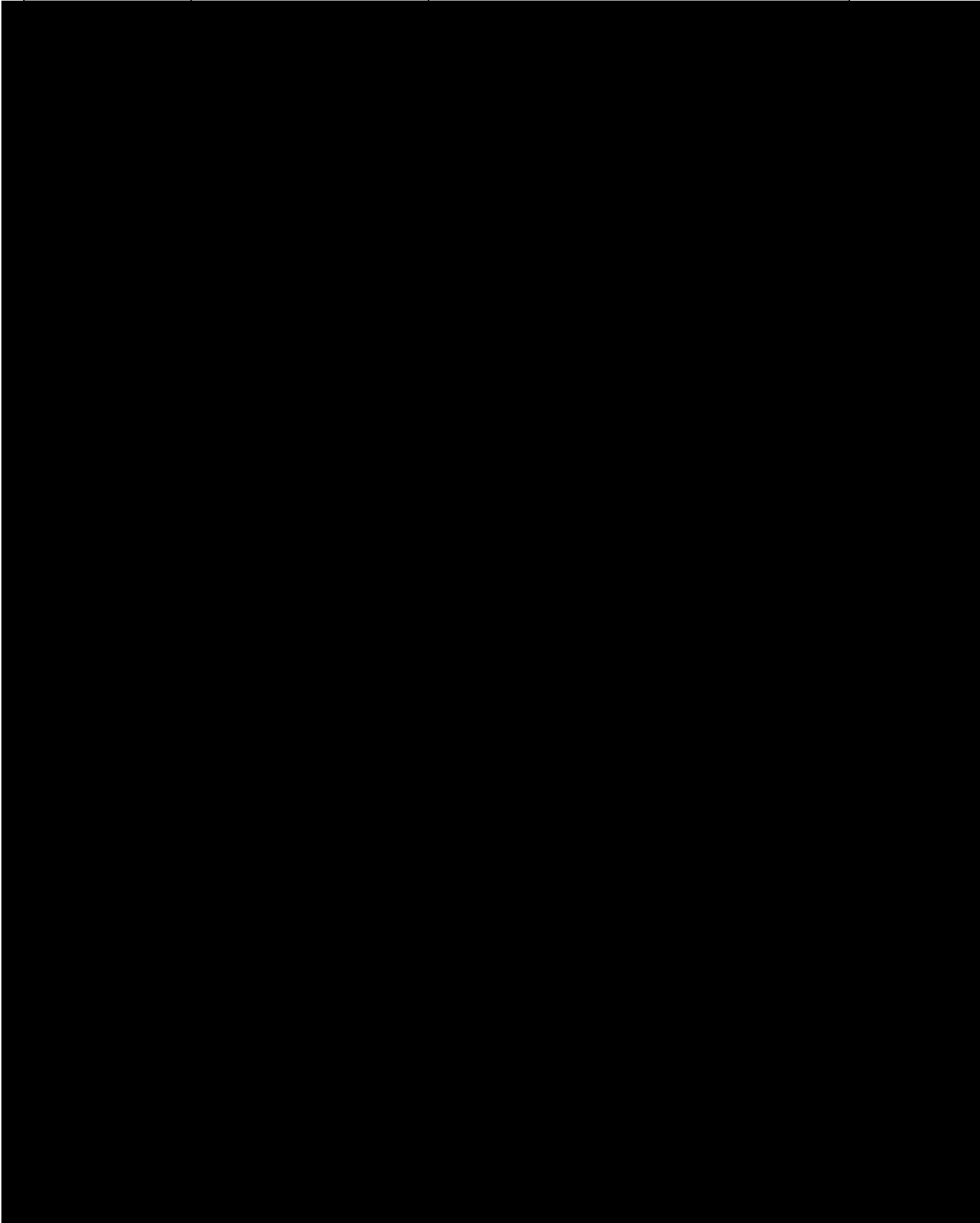
Expanding Greater Yellowstone Area Broadband Opportunities
Silver Star Telephone Company, Inc.
Easygrants ID # 7357

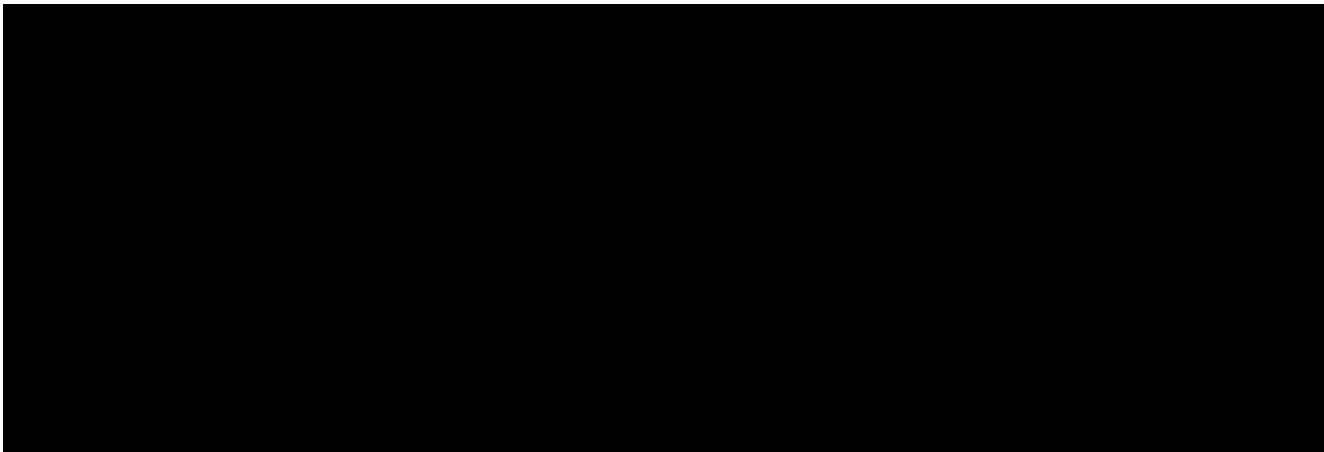


NPV/IRR Table

Expanding Greater Yellowstone Area Broadband Opportunities
Silver Star Telephone Company, Inc.
Easygrants ID # 7357

Revenue Assumptions		
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BTOP Comprehensive Community Infrastructure Service Area Template

Please complete the complete the CCI Service Area worksheet. In each line you will provide name of a service area and one of the contiguous Census tracts or block groups that make up the service area. Please provide full 11-digit Census tract numbers, includes the 2-digit State FIPS code, the 3-digit county code, followed by a unique 6-digit tract number. For Census block group please provide the full tract number, plus the 1-digit block group number (12 digits total). If there is more than one Census tract or block group in a service area, there will be multiple lines in the table for that service area. It is critical that the service area names provided in this table match the service area names provided in the Service Area Details page of the application. Please review the application document and Service Area Details page for consistency before submitting your application.

Important Note: Excel truncates leading zeros from numbers. Consequently, the tract/block group column on the worksheet has been formatted as text. This formatting should not be altered as the validity of your data may be compromised.

The data provided via this attachment will be subject to automated processing. Applicants are therefore required to provide this attachment as an Excel file, and not to convert it to a PDF. When submitting a copy of your application on an appropriate electronic medium, such as a DVD, CD-ROM, or flash drive. Additionally, Applicants should not modify the format of this file (*e.g.*, by adding or removing worksheets). Do not leave blank lines in the table between service area

EXAMPLE

Service Area Name	Tract or Block Group #
Big BB Project South	01001020100
Big BB Project South	01001020100
Big BB Project South	010010202001
Big BB Project West	01001020400
Big BB Project North	01001020800
Big BB Project North	010010209002

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BTOP CCI Service Area Template

Title:

Expanding Greater Yellowstone Area Broadband Oppertunities

Easy Grants ID:

7357

Silver Star Telephone Company, Inc.

Service Area Name	Tract or Block Group #
Jackson to Togwotee Pass	56039997800
Jackson to Togwotee Pass	56039997700
Jackson to Togwotee Pass	56039997600

BTOP Comprehensive Community Infrastructure Community Anchor Institution and Network Points of Interest Detail Template

Please complete the Anchor Institution Details worksheet by providing information on all Community Anchor Institutions that will be directly connected by the proposed network as necessary. All Community Anchor Institutions should be given a type from the specification. A Community Anchor Institution is considered a minority-serving institution if it is a post-secondary educational institution with enrollment of minority students exceeding 50% of its total enrollment. The "Project Role" column only requires a word or two, or a short phrase, not a detailed explanation of the role of project partners and community anchor institution provided in the essay portions of the application.

Please complete the Points of Interest worksheet by providing information on all points of interest. Points of interest include, but are not limited to, interconnection (passive, non-environmentally controlled points of interconnection, e.g., fiber optic points, may be excluded), collocation facilities, central offices, head ends, and other core facilities, network access points to last mile service providers, Internet peering points, etc. For each point of interest you may provide either a street address or geocoordinates (latitude and longitude). You must provide detail on what the point of interest is, whether it is already existing or will be created by the proposed project. Where more than one facility type applies, select the most appropriate facility type. For example, if a central office houses a point of interconnection, select central office as the facility type, or if a cell site is located on a tower, select tower as the facility type. The "Interconnection Available at the Facility" field should be Yes if interconnection to the proposed network is available at that location, otherwise No. The brief description field is optional and may be used to convey a better understanding of what the facility is. You may use the space at the bottom of the table to provide additional notes, if desired.

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BTOP CCI Community Anchor Institutions Detail Template

Title: **Expanding Greater Yellowstone Area Broadband Opportunities**
 Easy Grants ID: **7357**

Facility Name	Organization	Address Line 1	City	State	Zip	Facility Type	Minority Serving Institution Type	Project Role
	Teton Village Fire Department	7648 Granite Loop Road	Teton Village	WY	83025	Public Safety Entity		
	St John's Clinic at Teton Village	7658 Teewinot Chairlift Road	Teton Village	WY	83025	Medical or Healthcare Provider		
	US Post Office	3230 McCollister Drive	Teton Village	WY	83025	Other Government Facility		
	Grand Teton National Park Entrance Station - Granite Canyon	Moose Wilson Road	Moose	WY	83012	Other Government Facility		
	Federal Aviation Administration	1250 E Airport Road	Jackson	WY	83001	Other Government Facility		
	Transportation Security Administration	1250 E Airport Road	Jackson	WY	83001	Other Government Facility		
	Jackson Hole Airport Authority	1250 E Airport Road	Jackson	WY	83001	Other Community Support Organization		
	Grand Teton National Park Moose Headquarters	Grand Teton National Park	Moose	WY	83012	Other Government Facility		
	Craig Thomas Visitor Center	Grand Teton National Park	Moose	WY	83012	Other Government Facility		
	US Post Office	Grand Teton National Park	Moose	WY	83012	Other Government Facility		
	Moran Elementary	1 Central Avenue	Moran	WY	83013	School (K-12)		
	US Post Office	1 Central Avenue	Moran	WY	83013	Other Government Facility		
	Jackson Hole Fire/EMS	Moran Junction	Moran	WY	83013	Public Safety Entity		
	Grand Teton National Park Entrance Station - East Gate	Hwy 89	Moran	WY	83013	Other Government Facility		
	USFS: Buffalo Ranger District	8 US 26	Moran	WY	83013	Other Government Facility		
	St John's Clinic at Smiths	1415 S Highway 89	Jackson	WY	83001	Medical or Healthcare Provider		

BTOP CCI Network Points of Interest Detail Template

Title:

Expanding Greater Yellowstone Area Broadband Opportunities

Easy Grants ID:

7357

Facility Type	Address Line 1	City	State	Zip	Longitude	Latitude	Interconnection Available at this Location	Status in Proposed Network
Central Office	4000 S US 89	Jackson	WY		43°25'7.80"N	110°46'26.81"W	Yes	Existing - Applicant/Partner Owned
Central Office		Moran	WY		43°50'28.65"N	110°30'30.17"W	Yes	New for Proposed Network
Collocation Facility			WY		43°45'3.80"N	110° 3'44.70"W	Yes	Existing - Applicant/Partner Owned

Expanding Greater Yellowstone Area Broadband Opportunities
Silver Star Telephone Company, Inc.
Easygrants ID #7357

PROJECT PLAN

- Use the following table to list the major network build-out phases and milestones that can demonstrate that your entire project will be substantially complete by the end of Year 2 and fully complete by the end of Year 3. This is to be done at the aggregate level (combining all proposed funded service areas.)
- Indicated how the milestones listed below will demonstrate these completion objectives. The applicant should consider such project areas as: a) network design; b) securing all relevant licenses and agreements; c) site preparation; d) inside plant deployment; e) outside plan deployment; f) deployment of business & operational support systems; g) network testing; f) network operational. The applicant may provide any other milestones that it believes showcase progress.
- Project inception (Year 0) starts at the date when the applicant receives notice that the project has been approved for funding.
- In the table, provide any information (e.g., facts, analysis) to: a) demonstrate the reasonableness of these milestones; b) substantiate the ability to reach the milestones by the quarters indicated.

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
Year 0	-	<ul style="list-style-type: none"> • Notice of Funding received 	<ul style="list-style-type: none"> •
Year 1	Qtr. 1	<ul style="list-style-type: none"> • Complete preliminary Design • Begin environmental assessment 	<ul style="list-style-type: none"> • 6 weeks for design; assume growth season in progress for environmental work.
	Qtr. 2	<ul style="list-style-type: none"> • Complete Environmental Study • Obtain necessary Permits 	<ul style="list-style-type: none"> • 24 weeks for environmental; requires growth season; • State, County, Town, NPS, USFS
	Qtr. 3	<ul style="list-style-type: none"> • Complete necessary permitting • Complete final design • Prepare bid packages 	<ul style="list-style-type: none"> • Complete by week 32 based on EA and permits
	Qtr. 4	<ul style="list-style-type: none"> • Bid and award contracts – construction and equipment 	<ul style="list-style-type: none"> • Award contracts by week 48

		<ul style="list-style-type: none"> • Begin materials and equipment procurement • Order DWDM/SONET equipment 	<ul style="list-style-type: none"> •
Year 2	Qtr. 1	<ul style="list-style-type: none"> • OSP construction begins 	<ul style="list-style-type: none"> • Identify staging areas, mobilization, construction begins with up to 3 crews working simultaneously
	Qtr. 2	<ul style="list-style-type: none"> • OSP construction continues – plow conduit, rocksaw areas, bores, restoration, etc. • Project documentation & Inspection ongoing • 	<ul style="list-style-type: none"> • Subject to reduced productivity during winter months
	Qtr. 3	<ul style="list-style-type: none"> • OSP construction ongoing – place prefab building, jet fiber inside conduit • Begin equipment placement • Project documentation & Inspection ongoing 	<ul style="list-style-type: none"> • Subject to reduced productivity during winter months
	Qtr. 4	<ul style="list-style-type: none"> • Complete Agency Inspections as required • Equipment deployment continues • Project documentation & Inspection ongoing 	<ul style="list-style-type: none"> • Subject to reduced productivity during winter months
Year 3	Qtr. 1	<ul style="list-style-type: none"> • Substantial completion of OSP construction • Complete rehab of required areas - reseed, weed control • Equipment deployment continues • Project documentation & Inspection ongoing 	<ul style="list-style-type: none"> • Splicing of fiber optic cable is complete.
	Qtr. 2	<ul style="list-style-type: none"> • Final cleanup of OSP construction segments • Equipment deployment continues • Project documentation & Inspection ongoing 	<ul style="list-style-type: none"> • Eighteen month construction period for 78 miles in rugged terrain and severe winter weather conditions
	Qtr. 3	<ul style="list-style-type: none"> • Complete equipment placement, testing • Final inspection • System test and turn-up • Complete Project documentation 	<ul style="list-style-type: none"> •

	Qtr. 4	•	•

BUILD-OUT TIMELINE

Complete the following schedule for *each* Last Mile or Middle Mile Service Area to note the degree of build-out, based on: a) infrastructure funds awarded; b) entities passed (households, businesses, and community anchor institutions.). In addition, please complete a schedule that aggregates the build-out timeline across all of the Proposed Funded Service Area.

[illegible]

Comprehensive Community Infrastructure Key Metrics Dashboard

Please refer to the CCI Grant Guidelines for instructions on completing this form.

Applicant Profile	
Applicant Name	Silver Star Telephone Company, Inc.
Title	Expanding Greater Yellowstone Area Broadband Opportunities
Easygrants ID	7357
Headquarters	Freedom, Wyoming
Size (2009 Data) of Applicant Entity	<ul style="list-style-type: none"> Current Year Revenues: [REDACTED] Employees: 87
Technology Type	Wireline – Fiber Optic Cable
Key Partners	none

Project Economics			
Budget Information		Project Financials	
Project Budget	\$7,234,820	Project Revenues (Yr 8)	[REDACTED]
Federal Contribution (%)	77.52 %	Net Income and Margin (Yr 8)	[REDACTED]
Cash Match Amount (%)	13.96 %	EBITDA and Margin (Yr 8)	[REDACTED]
In Kind Match Amount (%)	8.53 %	Rate of Return (w/o BTOP Funds)	[REDACTED]
Middle Mile/Last Mile Budget Allocation		Rate of Return (w/ BTOP Funds)	[REDACTED]
Middle Mile Percentage (%)	100 %	Cost Efficiency	
Last Mile Percentage (%)		Cost per Mile (MM)	\$80,936
Rural Last Mile Percentage		Cost per Household (LM)	

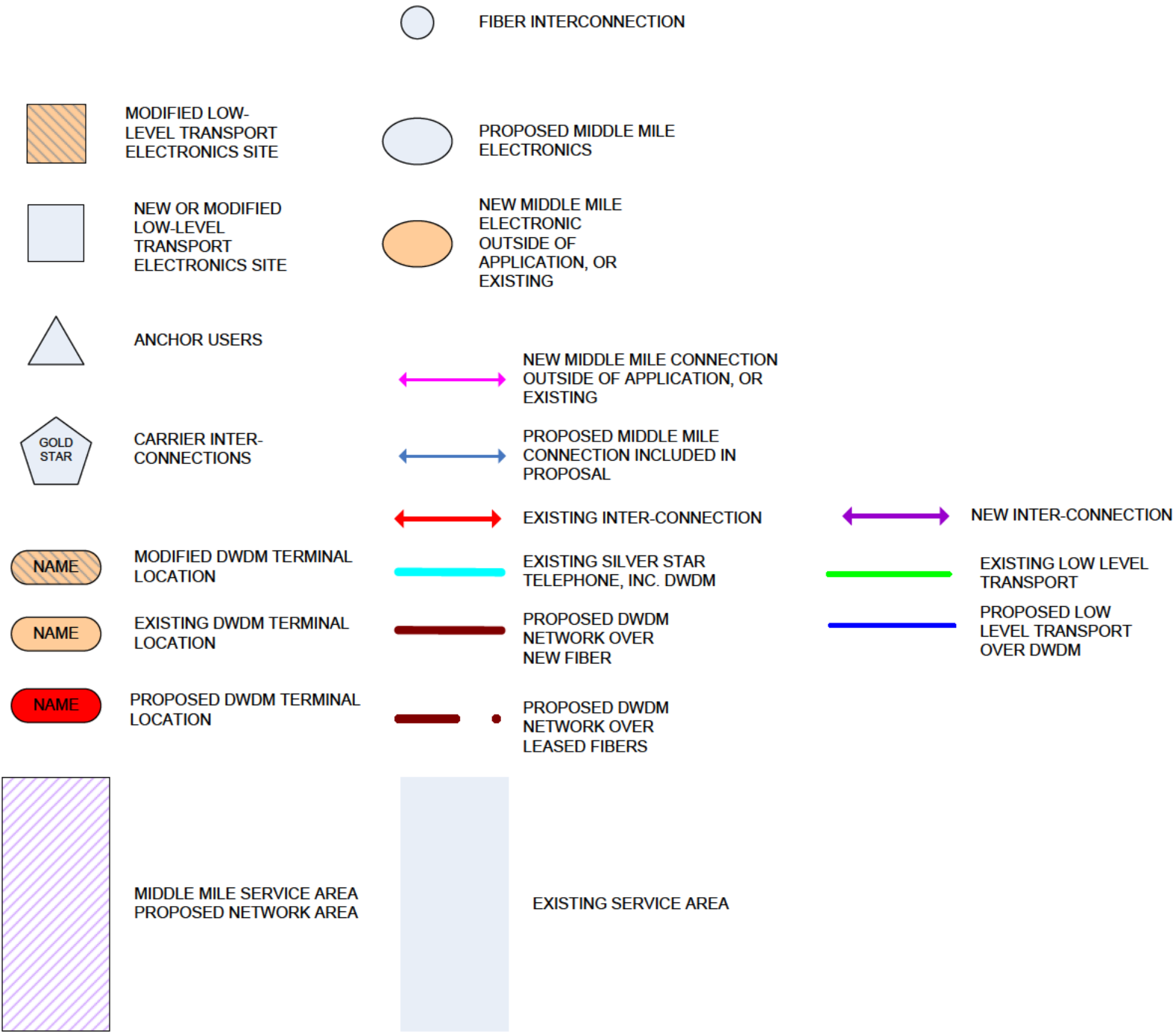
Market Territory	
Geographic Area(s)	
Middle Mile Network Composition	
Total Proposed Network Miles (MM only)	<ul style="list-style-type: none"> Total Miles: 89.39 Backbone Miles: 86.76 Lateral Miles: 2.63
New Construction Network Miles (MM only)	<ul style="list-style-type: none"> Total Miles: 89.39 Backbone Miles: 86.76 Lateral Miles: 2.63
Existing Applicant Network Miles Utilized (MM only)	<ul style="list-style-type: none"> Total Miles: 0 Backbone Miles: 0 Lateral Miles: 0
Leased Network Miles Utilized (MM only)	<ul style="list-style-type: none"> Total Miles: 0 Backbone Miles: 0 Lateral Miles: 0
Underserved/Unserved	<ul style="list-style-type: none"> Percentage of Backbone Miles in Underserved/Unserved Areas: 83 % Percentage of Lateral Miles in Underserved/Unserved Areas: 75 %
Existing Customer Base	
Existing Residential/Individual Customers within PFSA	none

Comprehensive Community Infrastructure Key Metrics Dashboard

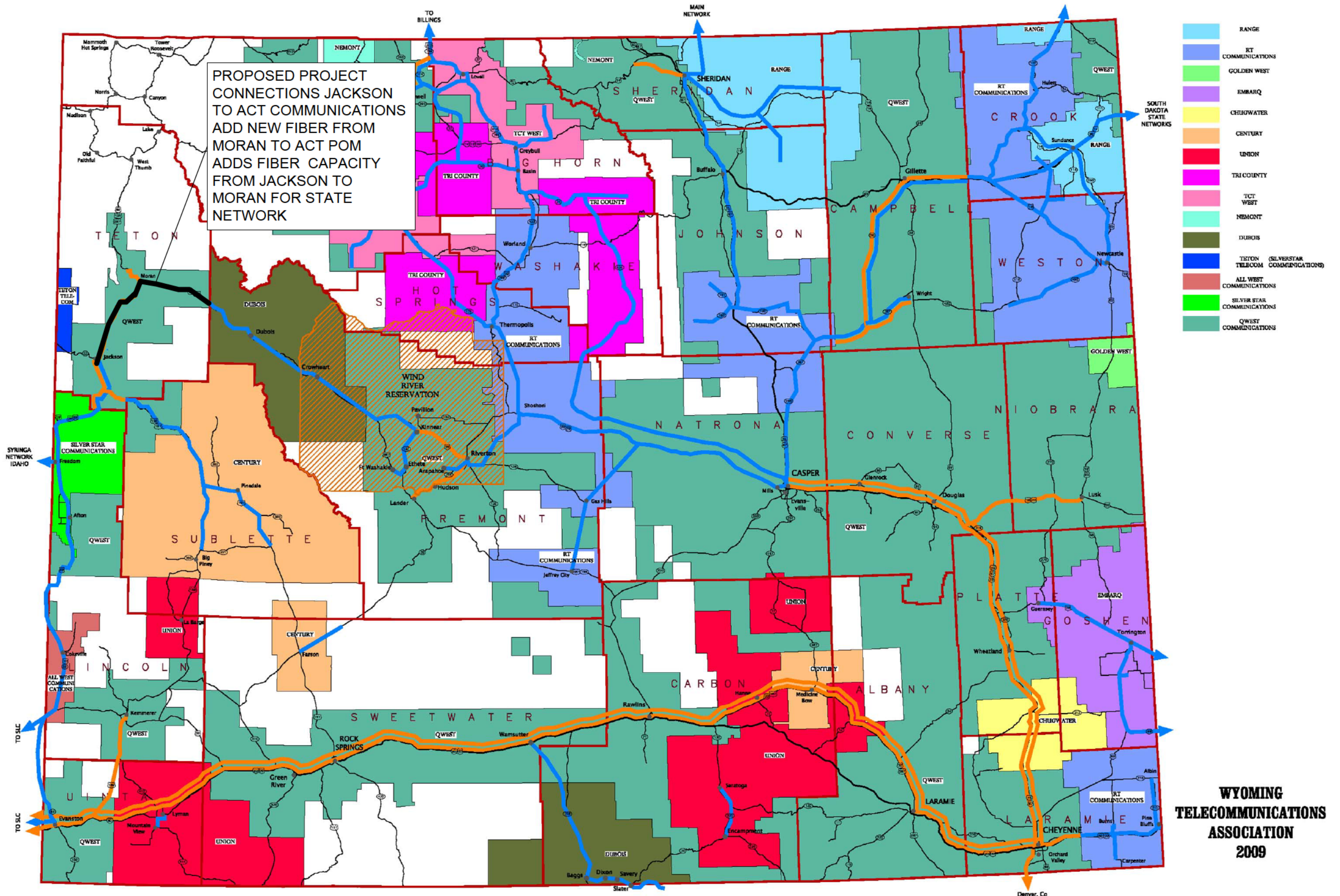
Existing Business Customers within PFSA	none
Existing Community Anchor Institution Customers within PFSA	<ul style="list-style-type: none"> • Total CAI's: none • Community Colleges: none • Public Safety Entities: none
Existing Third Party Service Provider Customers within PFSA	none
Potential Customer Base	
Market Potential Households (within PFSA)	<ul style="list-style-type: none"> • Total HH's: 10,267 • Located in Underserved/Unserved Areas: 17%
Market Potential Businesses (within PFSA)	<ul style="list-style-type: none"> • Total Businesses: 1915 • Located in Underserved/Unserved Areas: 17%
Market Potential Community Anchor Institutions (within PFSA)	<ul style="list-style-type: none"> • Total CAI's: 16 • Located in Underserved/Unserved Areas: 17% • Community Colleges: 0 • Public Safety Entities: 2
Market Potential Third Party Service Providers (within PFSA)	<ul style="list-style-type: none"> • Total Third Party Service Providers in PFSA: 3 • Expressing Commitment or Letter of Interest: 0
Funded Network Coverage	
Households Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> • Total Households Connected: 10,267 • Located in Underserved/Unserved Areas: 17%
Businesses Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> • Total Businesses Connected: 1915 • Located in Underserved/Unserved Areas: 17%
Community Anchor Institutions Directly Connected (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> • Total Directly Connected CAI's: 16 • Located in Underserved/Unserved Areas: 17% • Community Colleges: 0 • Public Safety Entities: 2
Projected Subscribers by Year Five	<p><u>Directly Served by Applicant</u></p> <ul style="list-style-type: none"> • Community Anchor Institutions: 16 • Households: 0 • Businesses: 0 • Third Party Service Providers: 3 <p><u>Served by Proposed Network Via Third Party Service Provider</u></p> <ul style="list-style-type: none"> • Community Anchor Institutions: 53 • Households: 10,267 • Businesses: 1915

Comprehensive Community Infrastructure Key Metrics Dashboard

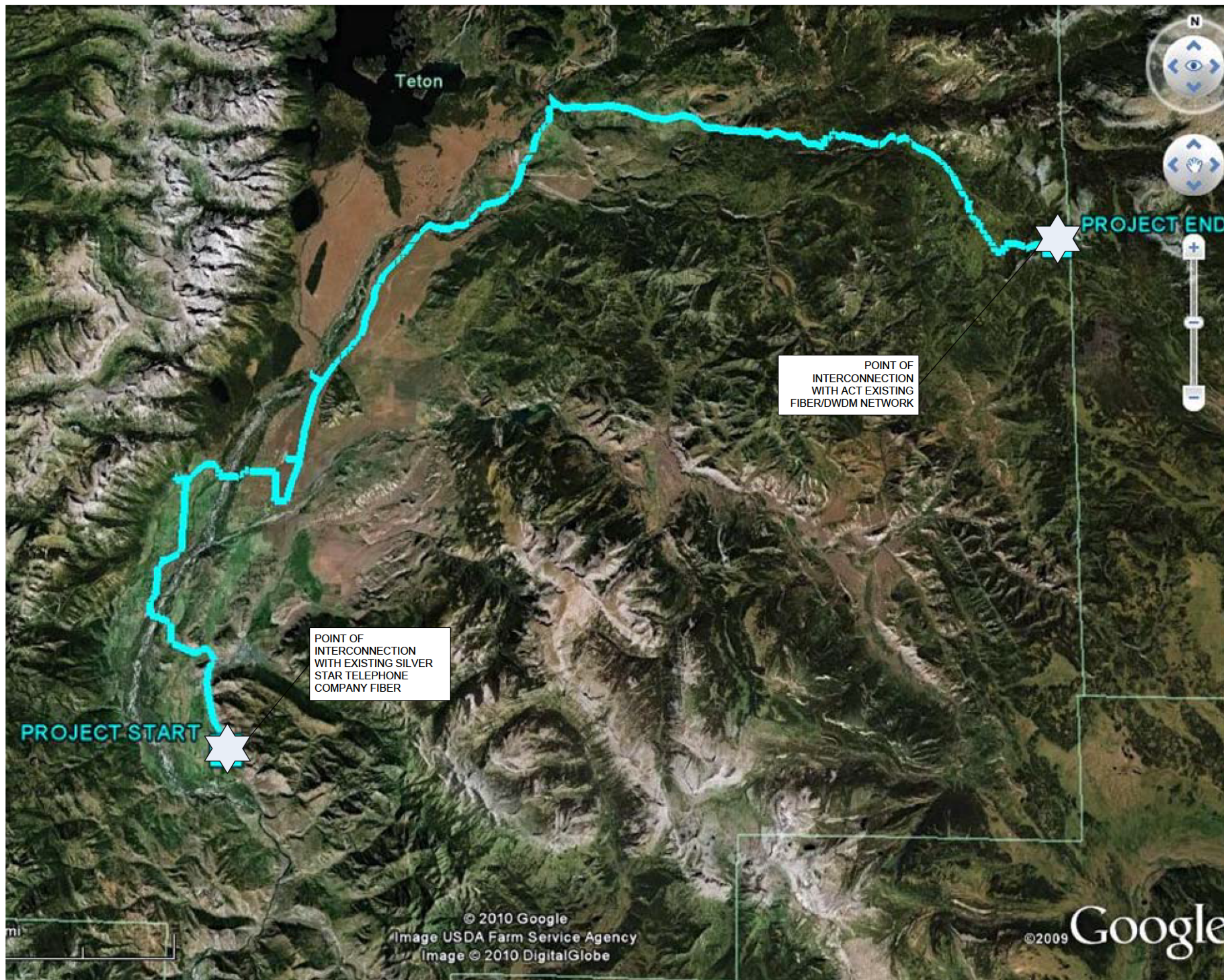
Other	
Proposed MM Network Capacity	<ul style="list-style-type: none"> • Backbone: 10 Gb/s ACCESS Network, 2.5 Gb/s Low Level Transport, DWDM High Level Transport • Laterals: 1 Gb/s
Proposed LM Network Speed	<ul style="list-style-type: none"> • Highest offered speed tier: • Estimated Average speed for highest speed tier:
Total Points of Interconnection	<ul style="list-style-type: none"> • Total Pol's: 3 • Pol's in Underserved/Unserved Areas: 2 • Environmentally-controlled, non-passive Pol's: 3
Jobs Created	<ul style="list-style-type: none"> • Direct Job-years: 78.6 • Indirect Job-years: 50.3 • Induced Job-years: 28.3
Required Time for Project Completion (Number of Required Quarters to Fully Build-out and Test Network and Make Ready for Commercial Service)	12 quarters








Date	Description	Amount



INTEROFFICE FIBER FACILITIES



- EXISTING FIBER OPTIC CABLE 
- PROPOSED FIBER OPTIC CABLE 
- ANCHOR INSTITUTIONS 
- PROPOSED ELECTRONICS HUT (POINT OF INTERCONNECTION) 
- POINT OF INTERCONNECTION 
- PROPOSED ELECTRONICS CABINET (POINT OF INTERCONNECTION) 