

# Board of County Commissioners Agenda Request



Requested Meeting Date: August 22, 2017

Title of Item: Approve Aitkin County Broadband Grant

REGULAR AGENDA	Action Requested:	Direction Requested			
CONSENT AGENDA	Approve/Deny Motion	Discussion Item			
INFORMATION ONLY	Adopt Resolution (attach dr	aft) Hold Public Hearing* e copy of hearing notice that was published			
Submitted by:		Department:			
Ross Wagner		Economic Development & Forest Ind			
Presenter (Name and Title): Ross Wagner, Economic Development	t & Forest Industry Coordinator	Estimated Time Needed: 20 Minutes			
Summary of Issue:  Aitkin County initially received 4 applications for the Aitkin County Broadband Grant program. At the July 25th County Board meeting the Board awarded a \$100,000 grant to SCI Broadband for there requested \$150,000 to provide a Fiber to the Premise Network (FTTP) in the Bridge Road area of Big Sandy Lake. At the same meeting, preliminary approval for a \$50,000.00 grant award was given to Mille Lacs Energy Coop and CTC for the Farm Island and Pine Lake areas. The award was preliminary since the original request was also for \$150,000.00 and the companies needed to determine if financially they could make a grant of \$50,000.00 work and still provide service to the same area although a smaller area. After much study and number crunching, they have declined the \$50,000.00 grant award.  A third proposal that was received and very highly regarded by the Economic Development Committee, was also submitted by SCI Broadband. Which was for the Mille Lacs Lake north shore in Wealthwood Township. The request was for \$112,040.00. SCI Broadband would commit to the full Wealthwood project with the \$50,000.00 grant that MLEC/CTC were not able to utilize if awarded to them. The original application is attached. It is the recommendation of the Economic Development Committee that the remaining \$50,000.00 from the 2017 Aitkin County Broadband Grant be awarded to SCI Broadband for a FTTP network in Wealthwood Township. This is a great project for Aitkin County and the Mille Lacs area, among many others, is in great need of additional broadband capabilities.  The Bridge Road application is also attached for reference. All told our \$150,000 investment would leverage an additional \$241,264 of private investment in Aitkin County Broadband infrastructure.					
Alternatives, Options, Effects on Others/Comments:					
Recommended Action/Motion: Approve grant recommendations of Economic Development Committee					
Financial Impact:  Is there a cost associated with this What is the total cost, with tax and Is this budgeted?  Yes  Previous board action set aside \$450,0	shipping? \$ 50,000.00 No Please Expl				

### **Aitkin County Broadband Development Grant Application Form**

Name of Applicant Organization: Savage Communications Inc. DBA SCI Broadband

Applicant Primary Contact Person: Scott Savage

Applicant Address: 111 Tobies Mill Pl
City: Hinckley Zip Code: 55037

Telephone Number: 320-384-7442 Ext. 708 Email Address: ssavage@scicable.com

Authorized Signature:

By signing this application on behalf of the above organization I am agreeing that I have the

Description of your project, area to be covered, speeds that will be obtained now and in the future:

authority to do so and that all information contained in this application is true and accurate.

This project would include passing 283 homes and 3 Businesses with FTTH (Fiber to the Home) within Wealthwood Township located in Aitkin County, MN. See attached map. SCI would offer residential customers with Internet speeds up to 250Mbps/20Mbps with infrastructure designed for up to 1Gig, Digital Phone service with unlimited long distance calling and Digital Cable TV services. Businesses will have access to dedicated Internet services up to 10Gig and phone service solutions including Hosted PBX and SIP Trunking. Below is our current residential speed offerings and Pricing.

Performance 5Mbps/1Mbps - \$34.95 Performance Plus 30Mbps/3Mbps - \$49.94 Performance Ultra 60Mbps/6Mbps - \$64.95 Performance Ultra 100Mbps/10Mbps - \$79.95 Performance Ultra 250Mbps/20Mbps - \$149.95

#### Description of need, why are Aitkin County funds necessary to complete this project:

SCI has been servicing rural communities in East Central and Northern Minnesota for over 30 years and with our experience the estimate of return for this project is low do to the low density and seasonal residents within the project area. See attached project costs and funding projections. The Aitkin Broadband grant would move the project into organizational return on investment expectations.

Provide information on any activities planned to actively promote the adoption of broadband services in the project area when the services become available: Include a description on any marketing and training programs on broadband applications for residents, businesses and institutions in the areas served by the project.

When project is nearing completion we plan to do a canvass marketing campaign for the homes passed within the project area including Direct Mailers, Door Tags and Signage.

**Grant request amount:** How much funding are you seeking from the Aitkin County Broadband Development Grant Program for this project? How much are you committing?

Total cost of project: \$224,084.00	
Local/Provider match provided: \$112,042.00	
County Funds Applied for: \$112,042.00	
Other Funds applied for or anticipating to apply for: \$0	
What is the source of these funds: SCI Corporation Cash and Senior Debt	

#### **General Time Frame of Grant Project:**

Starting upon approval of the broadband grant and execution of an agreement between parties; then ending within 12 months of said agreement

#### Location(s) of your project:

In addition to the written location information supplied above, you must provide a map of the project area, including geographical boundaries and road segments where broadband will be provided. Include the service area boundaries and also include place names, boundaries, buildings, road/street names, street addresses, or other features that clearly identify the project coverage area. Please be clear and concise and add any other information you feel is pertinent. See Attached Map

#### Total number of eligible properties to be served:

Provide information on what properties will be eligible for broadband under this project. Include what broadband speeds will be available to that property and what if any options for scalability there is. This can be provided on the map requirement above or on a separate map. Information that needs to provided;

- Number of and location of properties that will be able to receive service of at least 10Mbps down and 5Mbps upload as a result of this broadband development grant project.
- Number of and location of properties that will be receiving less than 10Mbps down and 5Mbps upload but will be scalable to meet those speeds in the near future.
- Number of locations that will be receiving less than 10Mbps down and 5Mbps upload now and into the future.
- What is your estimated time table to meet 10Mbps down and 5Mbps upload for those properties not meeting those speeds.
- Provide a three year work plan as it relates to your planned work in Aitkin County, it is our intention to not duplicate services in the same area. See Attached Map

**Project Costs**, Attach a list or schedule of all project elements including materials, equipment, design services, etc. to be purchased for the project. This will be used to determine the applicants match for this grant request. **See Attached List of Projected Costs** 

**Attachments:** Please attach any additional information or use attachments for the application questions. Label each attachment for the question you are intending to provide information on.



# **Aitkin County Development Broadband Grant Application**

# **Project Cost and Funding Projections**

#### Area: Mille Lacs (Wealthwood)

EDFA (8 Port)

Homes Passed Data:					
Homes Passed (HP)				286	
Homes Per Mile				39	
Cost Per Home Passed				\$784	
Cost Per Subscriber				\$1,567	
Financial Data:					
Gross Revenue	<u>Month</u>	<u>HP</u>	Subscribers	Avg MRC	<b>Annualized</b>
Subscriber (Permanent)	12	20%	57	\$55	\$37,512
Subscriber ( Seasonal)	6	30%	<u>86</u>	\$55	\$28,134
			143		\$65,646
EBITA (22% of Gross Revenue)					\$14,442
Tax					\$712
Capital Improvement (Escrow)					\$296
			Term		Annualized
Depreciation	\$112,042		Term 10		Annualized \$11,204
Depreciation	\$112,042				
Depreciation	\$112,042				
Depreciation  Funding Sources	\$112,042	<u>Outlay</u>		<u>Rate</u>	\$11,204
·	\$112,042 50%	Outlay 112,042	10	<u>Rate</u> NA	\$11,204 Annualized
Funding Sources			10	<del></del>	\$11,204  Annualized  Payment
Funding Sources Grant	50%	112,042	10 <u>Term</u> NA	NA	\$11,204  Annualized  Payment  NA
Funding Sources Grant Savage Communications Inc	50% 5%	112,042 11,204	Term NA NA	NA NA	\$11,204  Annualized  Payment  NA  NA
Funding Sources Grant Savage Communications Inc Senior Debt	50% 5%	112,042 11,204 100,838	Term NA NA	NA NA	\$11,204  Annualized  Payment  NA  NA
Funding Sources Grant Savage Communications Inc Senior Debt	50% 5%	112,042 11,204 100,838	Term NA NA	NA NA	\$11,204  Annualized  Payment  NA  NA
Funding Sources Grant Savage Communications Inc Senior Debt Total	50% 5%	112,042 11,204 100,838	Term NA NA	NA NA	\$11,204  Annualized  Payment  NA  NA
Funding Sources Grant Savage Communications Inc Senior Debt Total Capital Outlay Data:	50% 5% 45%	112,042 11,204 100,838 224,084	Term NA NA 10	NA NA	\$11,204  Annualized  Payment  NA  NA
Funding Sources Grant Savage Communications Inc Senior Debt Total Capital Outlay Data: Hub Equipment	50% 5% 45%	112,042 11,204 100,838 224,084	Term NA NA 10	NA NA 6%	\$11,204  Annualized  Payment  NA  NA
Funding Sources Grant Savage Communications Inc Senior Debt Total  Capital Outlay Data: Hub Equipment OTN Cabinet	50% 5% 45% <u>Type</u> Unit	112,042 11,204 100,838 224,084 <u>Cost</u> \$4,500	Term NA NA 10  Quantity 1	NA NA 6% \$4,500	\$11,204  Annualized  Payment  NA  NA
Funding Sources Grant Savage Communications Inc Senior Debt Total  Capital Outlay Data: Hub Equipment OTN Cabinet UPS	50% 5% 45% Type Unit Unit	112,042 11,204 100,838 224,084 Cost \$4,500 \$1,500	Term NA NA 10  Quantity 1	NA NA 6% \$4,500 \$1,500	\$11,204  Annualized  Payment  NA  NA

\$8,892 1

\$8,892

Unit

EDFA (2 Port)	Unit	\$2,250	1	\$2,250
WDM	Unit	\$200	4	\$800
Return Transmitter	Unit	\$700	3	\$2,100
Receiver	Unit	\$535	4	\$2,140
Net				\$27,546
Plant Infrastructure	Type	<u>Cost</u>	<b>Quantity</b>	
Engineering/Field Staking	Mile	\$600	7	\$4,369
Last Mile Fiber Cable	Foot	\$0.25	38444	\$9,611
Labor	Foot	\$1.35	38444	\$51,899
Pedestal	Unit	\$100	145	\$14,500
Optical Splice Case (Large)	Unit	\$122	9	\$1,090
Optical Splice Case (Small)	Unit	\$57	136	\$7,756
Optical Splitter 1x32	Unit	\$679	9	\$6,069
Net				\$95,294
Installation/CPE Equipment	<u>Type</u>	Cost	Quantity	
Drop Fiber Cable	Foot	\$0.15	57200	\$8,580
Labor	Foot	\$0.65	57200	\$37,180
Demarcation Box	Unit	\$33	143	\$4,719
ONU	Unit	\$155	143	\$22,165
Modem	Unit	\$80	143	\$11,440
Activation	Unit	\$120	143	<u>\$17,160</u>
Net				\$101,244
Total (Capital Outlay)				\$224,084
Map Data:	HP	Footage	<u>Pedestal</u>	
D4MA100DATA	32	7372	22	
D5MA100DATA	165	18671	76	
D6MA100DATA	71	9962	38	
E4MA100DATA	18	2439	9	
	286	38444	145	
Drop Data:				

400

\$260.00

Average Distance

Drop Labor Cost

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## Aitkin County Broadband Development Grant Application Form

Project Title: Big Sandy (Bridge Road)	_
Name of Applicant Organization: Savage Communications Inc. DBA SCI Broadband	
Applicant Primary Contact Person: Scott Savage	
Applicant Address: 111 Tobies Mill Pl	
City: Hinckley Zip Code: 55037	
Telephone Number: 320-384-7442 Ext. 708 Email Address: ssavage@scicable.com	
Authorized Signature:	
By signing this application on behalf of the above organization I am agreeing that I have the	
authority to do so and that all information contained in this application is true and accurate.	

Description of your project, area to be covered, speeds that will be obtained now and in the future:

This project would include passing 323 homes and 1 Businesses with FTTH (Fiber to the Home) within Shamrock Township located in Aitkin County, MN. See attached map. SCI would offer residential customers with Internet speeds up to 250Mbps/20Mbps with infrastructure designed for up to 1Gig, Digital Phone service with unlimited long distance calling and Digital Cable TV services. Businesses will have access to dedicated Internet services up to 10Gig and phone service solutions including Hosted PBX and SIP Trunking. Below is our current residential speed offerings and Pricing.

Performance 5Mbps/1Mbps - \$34.95 Performance Plus 30Mbps/3Mbps - \$49.94 Performance Ultra 60Mbps/6Mbps - \$64.95 Performance Ultra 100Mbps/10Mbps - \$79.95 Performance Ultra 250Mbps/20Mbps - \$149.95

#### Description of need, why are Aitkin County funds necessary to complete this project:

SCI has been servicing rural communities in East Central and Northern Minnesota for over 30 years and with our experience the estimate of return for this project is low do to the low density and seasonal residents within the project area. See attached project costs and funding projections. The Aitkin Broadband grant would move the project into organizational return on investment expectations.

Provide information on any activities planned to actively promote the adoption of broadband services in the project area when the services become available: Include a description on any marketing and training programs on broadband applications for residents, businesses and institutions in the areas served by the project.

When project is nearing completion we plan to do a canvass marketing campaign for the homes passed within the project area including Direct Mailers, Door Tags and Signage.

**Grant request amount:** How much funding are you seeking from the Aitkin County Broadband Development Grant Program for this project? How much are you committing?

Total cost of project: \$258,448.00	
Local/Provider match provided: \$129,224.00	
County Funds Applied for: \$129,224.00	
Other Funds applied for or anticipating to apply for: \$0	
What is the source of these funds: SCI Cornoration Cash and Senior Debt	

#### **General Time Frame of Grant Project:**

Starting upon approval of the broadband grant and execution of an agreement between parties; then ending within 12 months of said agreement

#### Location(s) of your project:

In addition to the written location information supplied above, you must provide a map of the project area, including geographical boundaries and road segments where broadband will be provided. Include the service area boundaries and also include place names, boundaries, buildings, road/street names, street addresses, or other features that clearly identify the project coverage area. Please be clear and concise and add any other information you feel is pertinent. *See Attached Map* 

#### Total number of eligible properties to be served:

Provide information on what properties will be eligible for broadband under this project. Include what broadband speeds will be available to that property and what if any options for scalability there is. This can be provided on the map requirement above or on a separate map. Information that needs to provided;

- Number of and location of properties that will be able to receive service of at least 10Mbps down and 5Mbps upload as a result of this broadband development grant project.
- Number of and location of properties that will be receiving less than 10Mbps down and 5Mbps upload but will be scalable to meet those speeds in the near future.
- Number of locations that will be receiving less than 10Mbps down and 5Mbps upload now and into the future.
- What is your estimated time table to meet 10Mbps down and 5Mbps upload for those properties not meeting those speeds.
- Provide a three year work plan as it relates to your planned work in Aitkin County, it is our intention to not duplicate services in the same area. See Attached Map

**Project Costs**, Attach a list or schedule of all project elements including materials, equipment, design services, etc. to be purchased for the project. This will be used to determine the applicants match for this grant request. **See Attached List of Projected Costs** 

**Attachments:** Please attach any additional information or use attachments for the application questions. Label each attachment for the question you are intending to provide information on.



# **Aitkin County Development Broadband Grant Application**

# **Project Cost and Funding Projections**

#### Area: Big Sandy (Bridge Road)

EDFA (2 Port)

					25
Homes Passed Data:					
Homes Passed (HP)				324	
Homes Per Mile				37	
Cost Per Home Passed				\$798	
Cost Per Subscriber				\$1,595	
Financial Data:					
Gross Revenue	<u>Month</u>	HP	Subscribers	Avg MRC	Annualized
Subscriber (Permanent)	12	20%	65	\$55	\$42,496
Subscriber ( Seasonal)	6	30%	9 <u>7</u>	\$55 \$55	
Subscriber ( Seasonar)	U	30%	97 162	200	\$31,872 \$74,368
			102		\$74,368
EBITA (22% of Gross Revenue)					\$16,361
Тах					\$756
Capital Improvement (Escrow)					\$110
			_		
<b>D</b>	****		<u>Term</u>		Annualized
Depreciation	\$129,224		10		\$12,922
					Annualized
Funding Sources		<u>Outlay</u>	<u>Term</u>	Rate	Payment
Grant	50%	\$129,224	NA	NA	NA NA
Savage Communications Inc	5%	\$12,922	NA	NA	NA
Senior Debt	45%	\$116,302	10	6%	\$15,494
Total		\$258,448		2,0	<b>\$23,73</b>
Capital Outlay Data:					
Hub Equipment	<u>Type</u>	<u>Cost</u>	Quantity		
OTN Cabinet	Unit	\$4,500	1	\$4,500	
UPS	Unit	\$1,500	1	\$1,500	
Backup Battery	Unit	\$985	1	\$985	
Chassis/wPS	Unit	\$769	1	\$769	
Forward Transmitter	Unit	\$3,610	1	\$3,610	
EDFA (8 Port)	Unit	\$8,892	1	\$8,892	

Unit

\$2,250

1

\$2,250

WDM	Unit	\$200	4	\$800
Return Transmitter	Unit	\$700	3	\$2,100
Receiver	Unit	\$535	4	<u>\$2,140</u>
Net				\$27,546
Plant Infrastructure	<u>Type</u>	Cost	Quantity	
Engineering/Field Staking	Mile	\$600	9	\$5,239
Last Mile Fiber Cable	Foot	\$0.25	46101	\$11,525
Labor	Foot	\$1.35	46101	\$62,236
Pedestal	Unit	\$100	189	\$18,900
Optical Splice Case (Large)	Unit	\$122	10	\$1,235
Optical Splice Case (Small)	Unit	\$57	179	\$10,196
Optical Splitter 1x32	Unit	\$679	10	<u>\$6,875</u>
Net				\$116,206
Installation/CPE Equipment	<u>Type</u>	<u>Cost</u>	Quantity	
Drop Fiber Cable	Foot	\$0.15	64800	\$9,720
Labor	Foot	\$0.65	64800	\$42,120
Demarcation Box	Unit	\$33	162	\$5,346
ONU	Unit	\$155	162	\$25,110
Modem	Unit	\$80	162	\$12,960
Activation	Unit	\$120	162	\$19,440
Net				\$114,696
Total (Capital Outlay)				\$258,448
Map Data:	<u>HP</u>	Footage	<u>Pedestal</u>	

Map Data:	<u>HP</u>	Footage	<u>Pedestal</u>
A4MC100DATA	194	32699	108
A5MC100DATA	31	2283	31
H4JA100DATA	37	5312	19
H5JA100DATA	62	5807	31
	324	46101	189

#### Drop Data:

Average Distance 400
Drop Labor Cost \$260.00

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Scott Savage (SCI Broadband):

We are writing this letter in support of activities designed to bring SCI Broadband to our Big Sandy Lake/McGregor area and specifically, to our location on Big Island which is known historically as Bridge Road. It is our understanding that SCI is investigating expanding their service if it is successful in obtaining Aitkin County grant money available for improving broadband service to areas underserved by internet providers. That description certainly describes our residence on Bridge Road.

We are currently customers of Frontier internet which provides DSL service over existing phone lines. While I won't go into great detail, I will say that our existing Frontier speed of 1.4 Mbps at a cost of \$49/month is totally unacceptable. We have tried for months to improve our inadequate internet speed and reliability with Frontier only to meet with pushback from the company. It seems Frontier is very reluctant to upgrade their infrastructure on Bridge Road, despite the fact that Big Island is very densely populated with middle to upper income lakehomes and seasonal cabins. Our frustrating experiences with Frontier are best reflected in an article written by a former Frontier call center employee:

### https://badbusinesspracticesfrontier.wordpress.com/2014/06/02/exposing-frontiers-bad-business-2/

There are a few alternative internet providers, such as cell-based Verizon and satellite-based Exede, but because of their monthly cap on data and cost, they are not the best choice for us. We are retired professionals who rely very heavily on a robust and reliable broadband speed to power our multiple computers, IP security cameras, voice-over-internet phone and residential security system in addition to the streaming content provided by Netflix, Amazon and Direct TV. It is our opinion that a connection to SCI's fiber network would easily satisfy those needs.

In terms of TV service, we are considered a "fringe" area where receiving antenna digital signals from TV stations in Duluth and the Iron Range are quite inconsistent. Your cable TV service is therefore enticing to us.

In summary, we would like to offer our support to improve the broadband service to Big Island/Bridge Road. We are anxious to take advantage of the e-commerce, continuing education, entertainment and communications technologies that a powerful broadband service, such as SCI, can provide. Please feel free to contact us in any way that we might provide assistance for this endeavor.

Best regards,

Grant and Kathy Garriott 51130 207<sup>th</sup> Place McGregor, MN 55760 218/426-3448 (landline)

#### CC

Dale Lueck — IMN House of Representatives (District 10B)
Ron Smith — Shamrock Township Supervisor
Jack Brula — Shamrock Township and McGregor School District
Janet Hill — Big Sandy Lake Association Board of Directors

