RESOLUTION NO.

"A RESOLUTION AUTHORIZING THE SUBMISSION OF A GRANT APPLICATION TO THE WYOMING BUSINESS COUNCIL/BUSINESS READY COMMUNITY GRANT AND LOAN PROGRAM FOR A COMMUNITY READINESS GRANT IN THE AMOUNT NOT TO EXCEED $500,000, ON BEHALF OF THE LARAMIE COUNTY COMMUNITY COLLEGE FOR THE FABRICATION LAB PROJECT."

FOR THE PURPOSE OF: REQUESTED FUNDS WILL BE FOR THE REHABILITATION OF LARAMIE COUNTY COMMUNITY COLLEGE SPACE TO ESTABLISH A M2M FABRICATION LAB IN SUPPORT OF LOCALLY-INNOVATED PRODUCTS AND MARKET DEVELOPMENT.

WITNESSETH

WHEREAS, the Governing Body of Laramie County desires to participate in the BUSINESS READY COMMUNITY GRANT AND LOAN PROGRAM by sponsoring this grant for the Laramie County Community College to assist in financing this project; and

WHEREAS, the Governing Body of Laramie County recognizes this project will assist with the costs associated with rehabilitation of existing space to establish the M2M Fabrication Lab at the Laramie County Community College Campus; and

WHEREAS, the BUSINESS READY COMMUNITY GRANT AND LOAN PROGRAM requires that certain criteria be met, as described in the Wyoming Business Council's Rules governing the program, and to the best of our knowledge this application meets those criteria; and

WHEREAS, the Laramie County Commissioners held a public hearing on March 02, 2021 to identify the economic development opportunity and determine and the benefits of the building and discuss possible funding solutions for this project, and gave full consideration to all comments received; and

WHEREAS, the Governing Body of Laramie County has been provided with preliminary cost estimates and information on the project; and

WHEREAS, the Governing Body of Laramie County will follow State Procurement Standards Inclusive of W.S. § 15-1-113 and W.S. §16-6-101, *et seq* and the Wyoming Preference Act W.S. §16-6-201 through 16-6-206 *et seq*; and

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF LARAMIE COUNTY that a grant application in the amount not to exceed $500,000 with matching funds to come from the Laramie County Community College through Bond, State and Private funds be submitted to the Wyoming Business Council for consideration of assistance in funding this project; and

BE IT FURTHER RESOLVED, that Sandra Newland, or her successor in the position of Laramie County Grants Manager, is appointed as agent of the Laramie County Board of Commissioners to execute and submit applications and certifications for these funds and to receive funds and implement the programs funded under this grant.

PASSED, APPROVED AND ADOPTED THIS 2nd DAY OF MARCH 2021.

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SIGNATURE PAGE FOR THE GOVERNING BODY OF LARAMIE COUNTY

By: _____
Gunnar Malm, Chairman

_____
Date

ATTEST:

_____
Debra Lee, Laramie County Clerk

_____
Date

Received and Approved as to Form only by:

_____
Laramie County Attorney's Office

2/23/2021
_____
Date

CERTIFICATE

I, Debra Lee, hereby certify that the Laramie County Commissioners at a public meeting held on March 2, 2021 adopted the foregoing Resolution, and that the meeting was held accordingly to law; and that said Resolution has been duly entered in the record of Laramie County.

_____

Date:

NOTICE OF PUBLIC HEARING 2021 BUSINESS READY COMMUNITY READINESS GRANT AND LOAN PROGRAM APPLICATION

Laramie County intends to submit an application on behalf of LCCC for a Business Ready Community Readiness Grant in the amount of $500,000 and is seeking citizen input regarding this project. Requested funds will be for the establishment of a fabrication lab to support community individuals and small business ventures in the fabrication of prototypes needed for market development and expansion. Those wishing to comment on this project are encouraged to attend a public hearing on this subject on Tuesday, March 02, 2021 at 3:30 p.m. at the Laramie County Commissioner's meeting at the Laramie County Courthouse, 310 West 19th Street, Cheyenne, Wyoming. Citizens can also submit written comments to:

Sandra Newland
Laramie County Grant Manager
310 West 19th Street, Suite 140
Cheyenne, Wyoming 82001

The intent of Business Read Community Readiness Grant program is to ready a community for new business development through economic or educational development projects which may include, but are not limited to, water, sewer, streets and roads, telecommunications, airports, purchase of rights of way, purchase of land, buildings, facilities, industrial and business parks, industrial site or business district development, amenities within a business or industrial park, landscaping, recreational and convention facilities, and or other physical projects. The rules governing the BRC Grant and Loan Program are available through the Wyoming Business Council or http://www.wyomingbusiness.org.

All written comments must be received no later than 12:00p.m on Monday, March 01, 2021. Laramie County will take all comments made at the public hearing and written comments submitted on or before the deadline into consideration before considering and submitting a resolution in support of an application for a Business Ready Community Readiness Facilities grant application.

Publish: February 20, 2021 and February 27, 2021

Wyoming
BUSINESS COUNCIL

Business Ready Community Grant & Loan Program

Grant and Loan Application

Please select an application type:

- ☐ Business Committed Application
- ☐ Managed Data Center Application
- ☒ Community Readiness Application
- ☐ Community Enhancement Application

Guiding Principles of the Business Ready Community Grant and Loan Program:

- Support to Wyoming's communities that are diverse in size, resources and economies.
- Focus Business Ready Community funding on projects that will lead to sustainability of the program and local economic development efforts.
- Support projects that will help people, families and communities thrive.
- Increase the capacity of community and economic development partnerships and cooperative efforts between the private and public sectors recognizing that each has its own responsibilities.
- Support and encourage communities that develop innovative responses to their economic challenges through a flexible review and recommendation process.

See Rules, Section 14, page 1-9 for additional application evaluation criteria and measures at www.wyomingbusiness.org.

☒ Strategic Value Proposition

Describe how your project aligns with the WBC Strategic Plan (below) by answering the following questions:

How does this project help the WBC achieve its goals?

The project closes a gap in the current maker-to-market (M2M) pathway and strengthens the local entrepreneurial ecosystem's ability to support locally invented and innovated products. The proposed fabrication lab will provide access to affordable fabrication space and resources for community inventors, innovators, crafters, makers, hobbyists, fabricators, and small manufacturers. The lab is designed to foster the development of market testable prototypes for the purpose of leveraging and securing business growth resources and startup capital.

How does this project impact the prosperity or economic well-being of the State of Wyoming?

The fabrication lab's outcomes and goals target community resilience and economic revitalization by fostering locally-innovated and developed approaches to business expansion and startup. The lab will provide access to light fabrication equipment and training for prototype development. As a progressive step in the existing entrepreneurial skills development and advanced manufacturing talent pipeline, the lab supports over two dozen fabrication skill-heavy occupations paths targeted in current Wyoming economic diversification initiatives.

PURPOSE

Creating new opportunities for current and future generations of Wyomingites by ADDING VALUE to Wyoming's core industries and LEVERAGING them to ACTIVATE new economic sectors

VISION

Realize diverse, broad and lasting growth so that Wyoming can prosper no matter the economic climate or status of individual sectors

ADD VALUE

TO CORE INDUSTRIES

natural resources | tourism and outdoor recreation | agriculture

- Drive **innovation** to create new markets for Wyoming extracted and grown goods
- Increase access to domestic and international **export markets** for core industries
- Foster **startups** in core industries
- **Recruit** companies and offices that employ highly-skilled and highly-educated workforce in core sectors
- Use Wyoming's advantages in tourism and outdoor recreation to attract **workforce**
- Encourage development of new **technology** to create new expansion opportunities
- Transform **disruption** into new economic opportunity

ACTIVATE

NEW ECONOMIC SECTORS

healthcare | financial, scientific and professional services | digital and technology | arts and culture | advanced manufacturing

- Create a vibrant community of **startups** and **investors** and **capital**
- Develop a culture of **innovation** that attracts transformative companies and people to Wyoming
- Help existing knowledge, creative and advanced manufacturing businesses **expand**
- **Market** Wyoming's knowledge, creative, and advanced manufacturing economy
- **Recruit** companies in new sectors
- Invest in **amenities** like downtowns, connectivity and recreation that draw and retain knowledge, creative and advanced manufacturing workforce

LEVERAGE

LOCAL ECONOMIC DEVELOPMENT

- Foster a culture of regional **connectedness** among communities
- Empower communities to **sustainably** develop their unique economies
- Work with partners to develop effective approaches to economic and community development in **rural communities**

PARTNERSHIPS

- **Coordinate** inter-agency plans and programming
- **Align** advisory and ad-hoc boards
- Increase **communication** across partnerships
- Increase alignment and **clarity** of roles and shared objectives

INVESTMENTS AND SERVICES

- Revise **programs** to create **investments** with expected and measured return
- Develop **services** that clearly meet the needs of business, industry and partners
- Regularly review **performance** and adjust the portfolio and budget accordingly

EXPERTISE

- **Leverage industrial expertise** to add value core industries and activate new ones
- Increase functional **expertise** in key areas of economic development: innovation, supply chain, start-ups, market development, workforce, amenities, infrastructure, business recruiting, finance

WHO WE SERVE

businesses

provide individualized support, connection and tools that help businesses grow and thrive in changing markets and economies

entrepreneurs and startups

cultivate and provide the culture, networking opportunities and resources that help entrepreneurs start and grow businesses in Wyoming

industry

develop and provide connections to resources and enablers like workforce, innovation, research and training that help target industries expand

communities

deliver accessible services, tools, opportunities and amenities that enable growth of local economies and participation in global economies

CURRENT AND FUTURE GENERATIONS OF WYOMINGITES

SECTION I: COVER SHEET

1. PROJECT TITLE: M2M Fabrication Lab

2. APPLICANT INFORMATION

Applicant (City, Town, County, JPB, Tribe):	Laramie County Wyoming
Responsible Elected Official:	Gunnar Malm, Chairman
Mailing Address:	310 W. 19th Street, Suite 300 Cheyenne, WY 82001

PROJECT REPORTING CONTACT

Local Contact:	Sandra Newland
Position:	Laramie County Grants Manager
Mailing Address:	309 W. 20th Street, Suite 140 Cheyenne, WY 82001
Phone:	307-633-4201
Email:	snewland@laramiecounty.com

3. PROJECT ADMINISTRATION CONTACT

Organization Name:	Laramie County Community College
Contact Person:	Dr. Joe Schaffer
Mailing Address:	1400 E. College Drive Cheyenne, WY 82007-
Phone:	307-778-1287
Email:	jschaffer@lccc.wy.edu

4. TYPE OF PROJECT *Briefly* describe applicable project type.

	Infrastructure Type	***Brief* Description**
☒	**Educational Development**	To establish a maker-to-market fabrication lab for the development of prototypes for market testing and capital investment acquisition. The proposed lab will provide access to affordable fabrication space and resources for community inventors, innovators, crafters, makers, hobbyists, fabricators, and small manufacturers.

5. PROJECT COSTS Indicate minimum necessary total public project infrastructure costs.

a. Amount of **loan** requested:	$ 0.00
b. Amount of **grant** requested:	$500,000.00
c. Total match:	$50,000.00
TOTAL Project Cost (a+b+c):	$550,000.00

DECLARATION: I HERBY CERTIFY THAT THE INFORMATION GIVEN IN THIS APPLICATION TO THE WYOMING BUSINESS COUNCIL IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Responsible (Elected) Official's Signature and Date:

Print or Type Name and Title: Gunnar Malm, Chairman

SECTION II: PROJECT INFORMATION

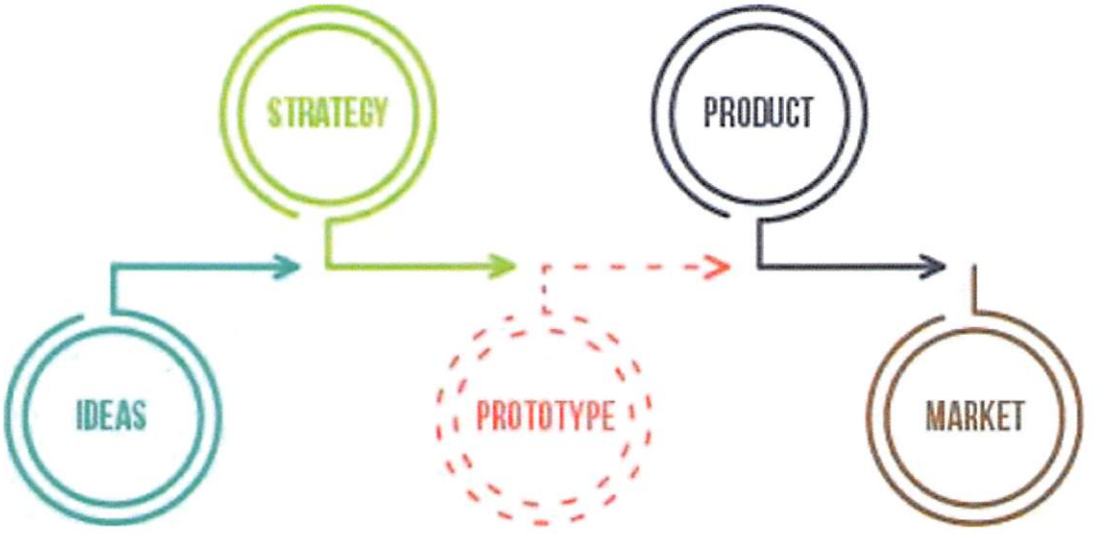
1. **PROJECT DESCRIPTION.** *Provide a description of the proposed project including the potential impact on the community, duration of the project, potential jobs to be created or retained and the desired results.*

> *We are at the beginning of what some call the Third Industrial Revolution in which lower cost digital tools like CNC machines, 3-D printers, laser cutters, robots and other devices will likely remake manufacturing and its jobs in profound ways. While the first industrial revolution brought with it a shift from an agrarian and craft economy to factories powered initially by steam engines, the second industrial revolution concentrated production in giant mass production facilities. Today, technological changes are starting to move making into smaller factories and back into the hands of everyday people operating out of their basement, a community-based makerspace or a K-12 school.*
> *(Pathways to Shared Prosperity: A Framework for Forging Next Generation Makers)*

Project Purpose

The purpose of this project is to establish a fabrication lab to fill a gap in the local maker-to-market pathways. Nationally, and in pockets across Wyoming, we are seeing the economic impact of innovators, inventors, and entrepreneurs on small business expansion and small business start up and recognizing the need to remove obstacles to their success.

Fabrication labs are small- to medium- scale workshops that offer rapid prototyping and digital fabrication technology, such as 3D printing, laser cutting, metalworking, woodworking, electronic workbenches, and design software. They prioritize the physical creation and design of new products. The prototyping production, testing, and refinement process is a critical link in the chain from idea to market (regardless of size of manufacturer or business venture) and is vital for success in capital investment acquisition.



Fostering the Local Entrepreneurial Ecosystem

The path for bringing locally-produced, smaller-scale innovations to market is known broadly as the maker-to-market pathway (M2M). For this group of community inventors, innovators, crafters, makers, hobbyists, fabricators, and small manufacturers, a central, critical, link in their production chain is access to affordable fabrication space and resources.

Currently, the college offers the community resources for ideas and strategy development through the Ludden Library and the library makerspace, and the Entrepreneurial program and associated lab spaces. Other applied programs feed into the chain as participants become more knowledgeable about industries and challenges, and generate ideas on solutions.

At the product and market end of the M2M chain, many state and local organizations and agencies are geared to assist. Cheyenne LEADS serves as the economic development entity for Cheyenne, with staff available to "fast track" business development efforts locally. Since its' inception in 1986, Cheyenne LEADS has created over 4,000 new jobs and recruited 70 new businesses to the Cheyenne community. In addition, specific entities such as Manufacturing Works, have been created to offer business solutions and targeted strategies to companies seeking to establish a base, or even to build a competitive edge within their targeted industry. These community-oriented groups provide a pathway to success for local entrepreneurs, and directly align with strategic initiatives to incentivize local talent to remain in Wyoming.

Enhancement of the Fabrication and Advanced Manufacturing Talent Pipeline

The project will also increase the capacity of the college to provide a broad range of fabrication and small-scale manufacturing skills training needed to meet Wyoming's advanced manufacturing industry growth initiatives. Fabrication lab activities and associated programming support over two dozen fabrication skill-heavy occupations paths targeted in current Wyoming economic diversification initiatives.

Typical Maker and Fabricator Skill Set Occupations	
Maintenance & Repair Workers	Grinding, Lapping, Polishing & Buffing Machine Tool Operators
Team Assemblers	Electrical Engineers
Supervisors - Production & Operating Workers	Electrical & Electronic Engineering Technicians
Machinists	Architectural & Civil Drafters
Production Workers	Mechanical Drafters
Welders, Cutters, Solderers & Brazers	Tool & Die Makers
Industrial Machinery Mechanics	Electronics Engineers
Supervisors - Mechanics, Installers & Repairers	Architects
Electrical & Electronic Equipment Assemblers	Electrical & Electronics Drafters
Cutting, Punching & Press Machine Operators	Computer Numerically Controlled Machine Tool Programmers
Industrial Engineers	Industrial Engineering Technicians
Mechanical Engineers	Mechanical Engineering Technicians
Computer-Controlled Machine Tool Operators	
Source: BurningGlass: Inflection Point	

Growth in Local Entrepreneurship and Business Support

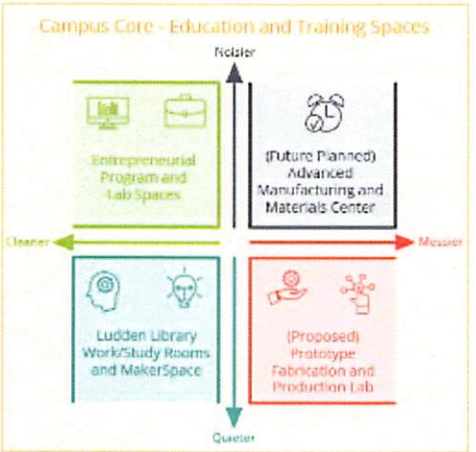
In just three years – including the COVID-19 year – entrepreneurship programming participation at the college has grown over 200% and now includes access to several pieces of equipment that have been acquired through a mix of internal and external funding, and industry donations. Where possible this equipment has been immediately put into use, however, there are pieces for which space is currently unavailable. Program growth has also demonstrated an increasing need to offer specific fabrication tools, equipment, and resources that advance the entrepreneur's ideas into concept testing and physical prototypes for product development and potential launch.

The same growth trend in demand for pursuing entrepreneurial ventures is consistent across Cheyenne and the surrounding community. The Cheyenne Makers and Creatives non-profit group was formed in August of 2019 and holds monthly events with a creative maker and learning focus. They average over 50 people per event with the large majority of events having an attendance fee. The Cheyenne Makers partnered with LCCC in January of 2020 for a welding day event with over 40 paid registrations for a few hours in a welding booth.

Health and safety protocols necessitated by COVID-19 lessened access to opportunities while increasing the urgency in providing innovative and entrepreneurial solutions to both old and newly-emerging economic problems. Between the steady success growth of the Entrepreneurship program (which often leads to product prototyping needs), the increasing number of people in Cheyenne showing interest in learning how to innovate products and production methods (and needing access to tools and equipment for fabrication or small scale manufacturing), and the exponential pressures for new business solutions to support local, small business diversification or startup – establishing a lab has become an increasing priority.

Need for Dedicated and Rehabilitated Space

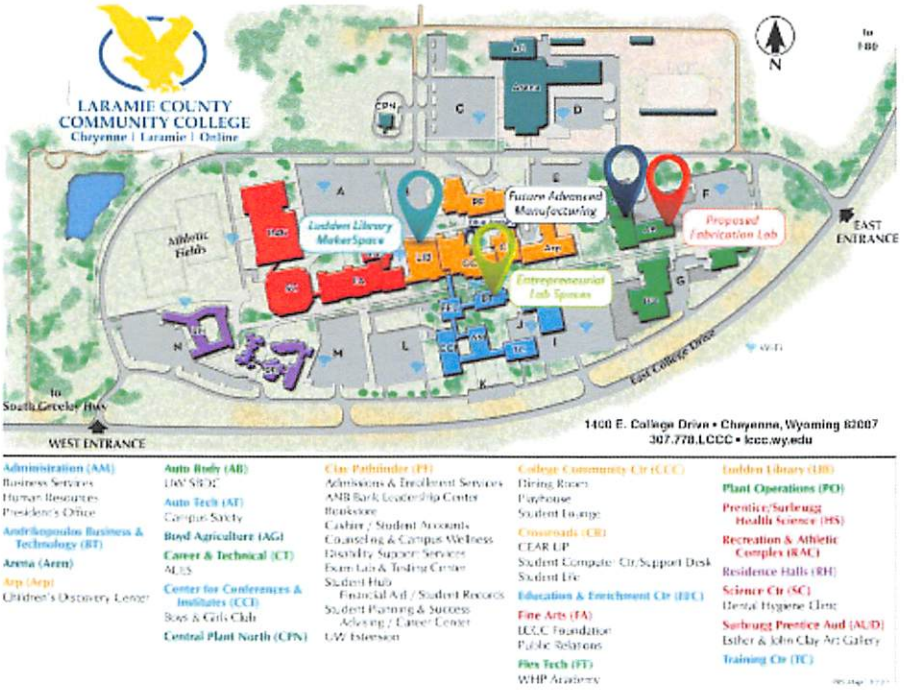
Within the M2M pathway, space usage falls loosely along the quiet-noisy and clean-messy axes. Space usage must be fit-for-purpose for both equipment and activity needs. While space can be shared by some equipment, climate and infrastructure needs often necessitate industrial-scale access points, higher load bearing floor tolerances, dedicated electrical circuitry, and particulate-specific HVAC systems.



Currently there is no space – on the college campus or in the community - that would support a fabrication lab. The existing Library and Entrepreneurial program spaces do not have the floor space, physical infrastructure, or activity usage to align with a fabrication lab. Through a comparison study of community-access fabrication labs and makerspaces, an internal review of current program facility usage and an engineering study, the college has identified a suitable space for the fabrication lab. The space will need to be modified and upgraded to support the planned usage, and this proposal is seeking the funding to accomplish that rehabilitation.

Benefits of a Campus Location for the M2M Fabrication Lab

LCCC is uniquely suited to co-locate and support the fabrication lab alongside other product development, business development, and manufacturing skill services. As seen on the map below, the location for the proposed fabrication lab is adjacent to the Flex-Tech building which houses fabrication-related programs in Engineering Technology, Welding, Construction Management, and Process Technology, and is a short distance from the library makerspace and entrepreneurial lab spaces.



The campus is fully ADA accessible, close to the I-80 exit, and has ample parking. For larger training workshops the college has a facilities and events division with expertise in holding multi-day, multi-sized functions.

2. PUBLIC BENEFITS. *Describe the public benefits of the proposed project including the importance of the project to the community and how it promotes economic development. (Please consult the WBC Regional Director for information on conducting an economic impact study for a Business Committed Project, RPASS)*

Perhaps the most obvious shift brought about by the new potential of domestic-scale manufacturing is the return to the co-location of the range of activities associated with manufacturing, drawing them back into the cities, communities and landscapes of consumption… This type of shift, as demonstrated through Maker culture, can have profound economic and social benefits. In this sense, this new wave in manufacturing reinserts the human element into productive enterprises, particularly with its potential to 'grow' the urban community. As distinctive relationships are emphasized and technology is democratized, certain populations can more ably choose to 'stay put' rather than uproot in the pursuit of employment. Communities require more than the mere promise of creative opportunities to ensure their long-term durability.

(This home is a factory: Implications of the Maker movement on urban environments. Mark Richardson)

Community Impact of a Fabrication Lab

The greatest community benefit from this lab will be innovators and inventors who are seeking to develop products as solo ventures or as part of their small businesses. Many individuals will also benefit from the idea generating and business strategy development as part of the college's existing entrepreneurship program. Some of these individuals may come from other applied programs in agriculture, HVAC, plumbing etc. (which currently support many small business owners and employees). LCCC's current dual-credit partnerships also present options for high school students.

Alignment with Local, Regional and State Initiatives

In 2018, Forward Greater Cheyenne released a Community and Economic Development Strategy detailing actionable steps to help make our community a "more prosperous and vibrant place to live, work, and do business… and to advance the community's future competitive position." Eight strategic initiatives were established along these efforts, and the proposed M2M Fabrication Lab seeks to assist with Initiative 5: Business Retention, Expansion, and Attraction, specifically within industries that align with both the community and state's long-term economic vision, which includes advanced manufacturing.

In addition, through the ENDOW 20-Year Diversification Strategy, one of the stated essential building blocks to growth is cultivating an entrepreneurial mindset. Development of the M2M lab will allow for empowerment and skills development, so that users become part of the development process instead of just consumers. In addition, this shared space will help users make "doing" central to their technological learning process, and will allow space and time for mistakes, and collaborative approaches, thereby modeling the ideal environment for an entrepreneurial mindset.

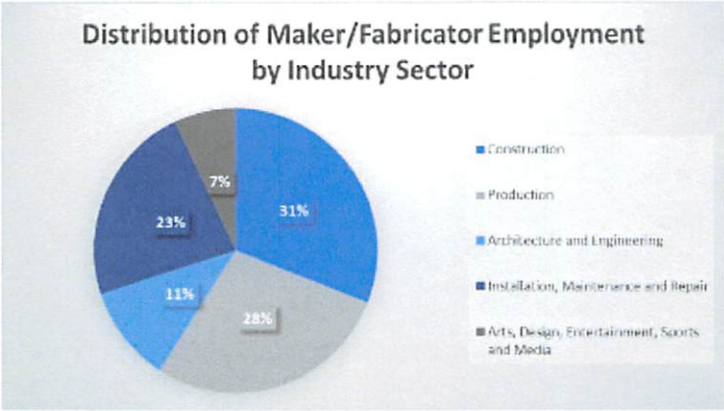
The M2M lab will help close a skills training gap which will, in turn: serve to attract businesses to this area; assist local (and neighboring state) businesses seeking opportunities to train and upskill their existing workforce; increase the success rate of locally-innovated product launches; and support small-fabrication business development, start-up, or expansion.

Workforce Development Impact

While generally fostering an atmosphere conducive to transformative companies, the skills needed by individuals to bring a product to market are also critical for development of a broader higher-skill, higher-value workforce. M2M soft skills – critical thinking, problem solving, creativity, innovation, collaboration, and communication- – are regularly cited by almost all employers as necessary for business development.

The specific applied and technical skills supported by the fabrication lab include: Knowledge of the making process – project planning; design; applied math and technological skills; understanding how to use tools in making; and knowledge of basic manufacturing concepts. Knowledge of digital tools and diverse materials – knowledge of and facility with maker tools such as design technology, additive technology, laser technology, other computer-controlled machine tools, and electronics; and ability to work with a range of materials (wood, plastics, metals, etc.).

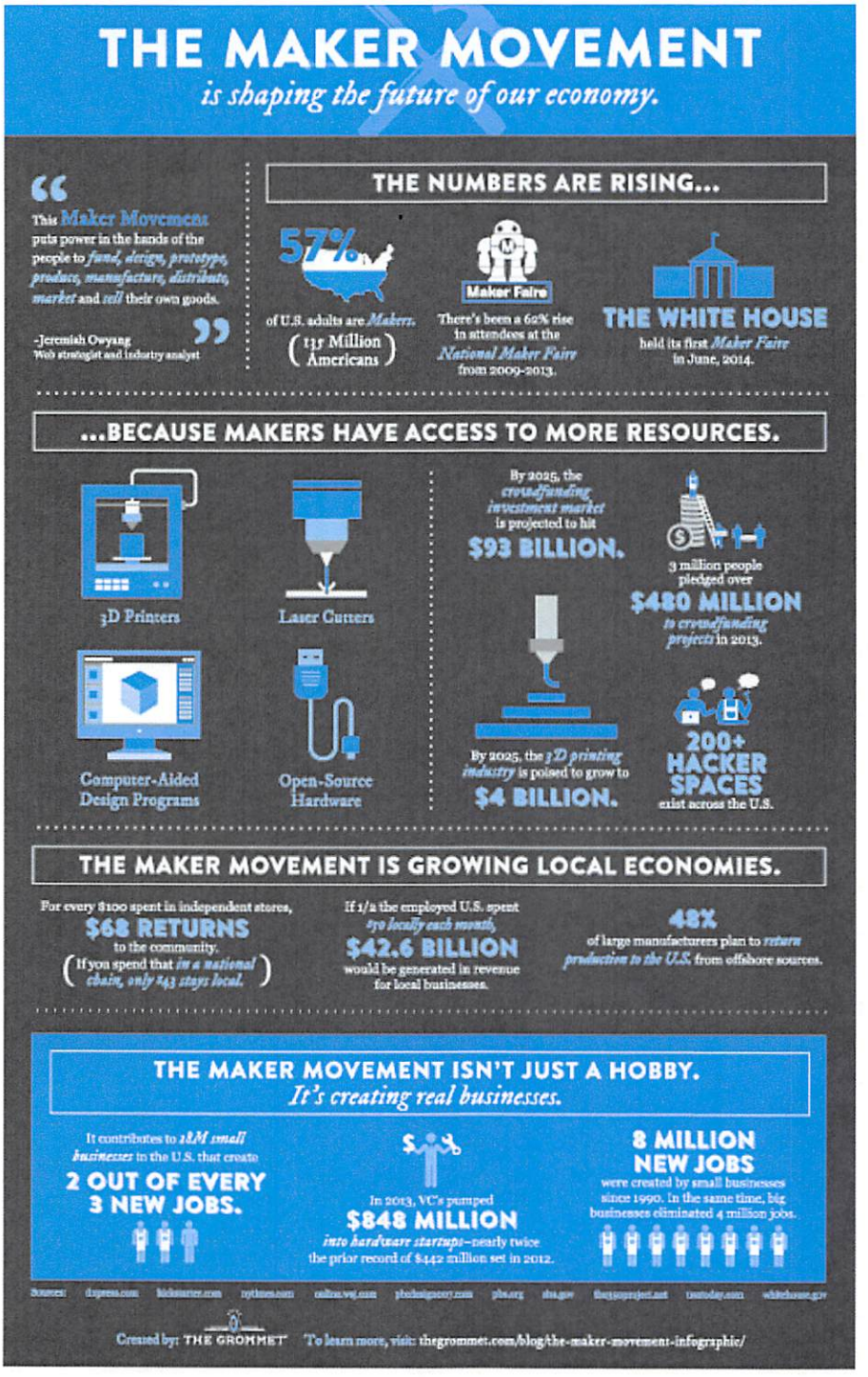
Typical industry sector distribution of employment for those with maker and fabricator skill sets is shown in the chart below. By increasing access to fabrication resources and training, the region will be better positioned to develop workforce skills aligned with the advanced manufacturing businesses targeted in local, regional, and state initiatives.



Economic Impact

As has been consistently demonstrated across the state, many positions remained unfilled in the advanced manufacturing sector due to the lack of a skills-ready workforce. As noted in the attached supporting document from Derrek Jerred, the Cheyenne LEADS Prospect Report shows ~60% of recent prospects are related to manufacturing and lack of workforce skills account for ~50 of all unsuccessful business relocation outcomes. Through active partnerships and consistent stakeholder meetings and communication, The college has a long history of responsiveness to local needs and the ability to adapt and update trainings

quickly. Having the additional capacity for fabrication skills training accessible to the local community is a critical investment in the region's economic opportunities.



3. PROJECT GOALS AND OBJECTIVES. Describe the goals of the project and identify indicators or measures to be used to determine at the conclusion of the project if goals were achieved and if the project is a success. The performance measures should focus on solid, measurable actions related to the project. Examples of indicators may be the amount of money leveraged (from other public or private sources), number of self-sufficient jobs created, number of business-ready lots created, etc.

Participants in the U.S. maker movement generate market-worthy consumer goods from the bare bones of novel ideas and simple production equipment. For cities and policymakers, making thus represents the opportunity to develop new manufacturing industries and employment. For makers to transform themselves into large-volume producers, however, they must negotiate significant financing, production and distribution barriers without recourse to the capabilities of the large manufacturing firm.
(Manufacturing without the firm: Challenges for the maker movement
Marc Doussard, Greg Schrock, Laura Wolf-Powers)

Goal

The overarching goal for the project will be to establish the M2M Fabrication Lab to close a gap in the current maker-to-market (M2M) pathway and strengthen the local entrepreneurial ecosystem's ability to support locally invented and innovated products.

Outcomes

The proposed fabrication lab will provide access to affordable fabrication space and resources for community inventors, innovators, crafters, makers, hobbyists, fabricators, and small manufacturers. The lab is designed to foster the development of market testable prototypes for the purpose of leveraging and securing business growth resources and startup capital.

As a progressive step in the existing entrepreneurial skills development and advanced manufacturing talent pipeline, the lab supports over two dozen fabrication skill-heavy occupations paths targeted in current Wyoming economic diversification initiatives.

Performance Measures

Performance measures to assess successful implementation include:

1. Rehabilitate, prepare, and equip existing location to successfully launch the M2M lab by Spring of 2022.
    a. Rehabilitation of existing facility as proposed by Engineering Study
    b. Move all furniture and equipment into the space upon completion
    c. Market the space to makers groups and the community as a whole
    d. Develop and implement schedule and fee structure

Performance Measure: The M2M lab will open to students and for community use in early Spring 2022.

2. Maintain consistent level of community memberships on a yearly basis to allow for turnover of successful and startup prototyping processes.

a. Year One memberships = maintain at 180/year
b. Year Two memberships = maintain at 180/year
c. Year Three memberships = maintain at 180/year

Performance Measure: Community memberships will maintain at least 180 per year.

3. Offer training classes/workshops for community members for a fee throughout the year, to be led by business and community leaders
   a. Year One trainings offered = 4 trainings
   b. Year Two trainings offered = 6 trainings
   c. Year Three trainings offered = 12 trainings

Performance Measure: At the end of three years, the M2M lab will have provided at least 22 trainings to community members.

4. Assist businesses and entrepreneurs with prototype development and support.
   a. Year One prototype support = 10 businesses/entrepreneurs
   b. Year Two prototype support = 15 businesses/entrepreneurs
   c. Year Three prototype support = 20 businesses/entrepreneurs

Performance Measure: At the end of three years, the M2M lab will have assisted 45 businesses/entrepreneurs with prototype development.

4. PROJECT NEED. Describe in sufficient detail the need for the project and why BRC funds are necessary.

Factories of the future do not need to be sited in vast industrial parks, but can, to some extent, be distributed across thousands of homes and small, collective workspaces in the urban environment. We are already beginning to see the impact of this new manufacturing on cities: with the revival of the local in new manufacturing communities that utilize global, digitized technology, and with these communities networking in and across zones of production that form nuanced areas of specialization.
(Implications of the Maker movement: Mark Richardson, Susie Elliott and Brad Haylock)

Support of Strategic Initiatives and the Community

Wyoming is positioned well to embrace the Third Industrial Revolution's next wave of fabrication and manufacturing progress. The advanced manufacturing sector has become a strategic focus for many initiatives within the state. The 2018 Economically Needed Diversification Opportunities for Wyoming (ENDOW) "Transforming Wyoming" 20-year Economic Diversification Strategy identified Advanced Manufacturing as one of the "Next Generation Engines" to build the new diversified economy for the state.

More recently, Cheyenne's F.E. Warren Air Force Base was announced as one of three bases to be the center of the Ground Based Strategic Deterrent (GBSD) project which increases the immediate need for a skilled manufacturing workforce. It is projected that 1,000 new jobs will be created by this project, with many of those requiring the skill sets addressed through Advanced Manufacturing training. F.E. Warren will be the first base to go through this significant upgrade. Local companies are poised to receive 6% of the

manufacturing set aside associated with this project. This long-term project will change the face of Advanced Manufacturing in Wyoming's Southeast region.

Finally, Laramie County, and southeast Wyoming in general, has been determined to be an ideal location for businesses – large or small – to start or expand operations. The proximity to critical transportation infrastructure, availability of affordable "shovel-ready" land, favorable tax environment, and the proximity to the growing Front Range of Colorado, all position the area as an ideal growth opportunity.

Local Needs

SE Wyoming and the community are not lacking in entrepreneurial or innovative ideas within the advanced manufacturing sector. They are however, lacking resources to complete the M2M process. A fabrication lab allows local solutions and products to be prototyped and compete for capital investment and market launch. By supporting smaller, locally innovated product ventures, alongside the larger state initiatives, the region has the opportunity to have immediate, community-focused impact, while seeding the ground for larger-scale change.

Limited Options for Funding for Rehabilitation of Spaces

LCCC has been fortunate in receiving supplemental funding for many programs, including those that support maker-aligned occupations. However, traditional CTE funding for higher education is typically targeted toward program expenses (instructor and student development). Industry partnerships have benefitted the college with donated equipment and expertise, and the college has received gifts from community benefactors for some very successful student scholarship programs. More difficult to secure has been funds for capital improvements to spaces that fall outside of LCCC's major capital campaigns.

The majority of the campus space is part of the original build over 50 years ago. Those builders could not have imagined the changes in technology – even for routine activities in classrooms and offices – let alone the technological revolution that has occurred for all lab spaces. The directive for the project's engineering study was to develop a plan for a space that is flexible (similar to the Flex-Tech model) and "future proof" to be able to meet future equipment demands. To establish a viable M2M Fabrication Lab, campus space must be upgraded for the desired usage and equipment needs, and funding outside of the college's traditional options must be sought.

5. FUNDING DENIAL. What are the repercussions if funding is denied?

If funding is not secured, the space will not be rehabilitated for the fabrication lab. LCCC only have the ability to continue to support innovators, inventors, and entrepreneurs at current capacity.Recognizing the community need, growth in programming will occur, but local options foraccess to fabrication tools and equipment for small-scale, rapid prototyping will remain limited.

Entrepreneurship, new product innovation, and economic diversification within the maker/fabrication industry sector can only move forward if we are prepared to make the

necessary investments within this field.

6. FUNDING SOUGHT

a. Have any other Federal, State or Private sources been pursued for this project? **NO**
(Check all that apply and fill in Additional Funding Table)

☐ Federal Grants (USDA, EDA, Etc.)
☐ State Land and Investment Board (Is your project on the Comprehensive Priority List for Clean Water or Drinking Water? If so, what rank?)
☐ Water Development Commission
☐ Department of Transportation (TEA Program)
☐ Wyoming Department of Health
☐ Other State Sources (Specify)
☐ Private Donations or Foundation Grants (Specify)
☐ Commercial Financing (Specify Bank)
☐ Other:

b. Please describe any successful, unsuccessful and pending awards.

ADDITIONAL FUNDING TABLE

Funding Description	Amount	Awarded	Denied	Pending	Anticipated Decision Date	Further Explanation

7. OWNERSHIP. Will the local government own the improvements funded by this program?
Yes ☐ No ☒

If "no," who will own the improvements? If the applicant is a joint powers board, attach a Certificate of Organization and an executed Joint Powers Agreement to the application. Certificate of Incorporation is required if a Community or State Development Organization will carry out the project.

Laramie County Community College currently owns and will own the improvements to the existing space through an established agreement with Laramie County.

8. TIMELINE. Describe a realistic project timeline. If the project is to be phased, provide a separate timeline for future phases. **DO NOT EXPEND FUNDS BEFORE CONTRACT HAS BEEN FINALIZED.**
Expected SLIB Award Date: **June 2021**
Expected Contract Routing final date (please allow 6-8 weeks from SLIB award): **August 2021**
Expected Construction Bid Award, if applicable: **August 2021**

Any other authorizations, permits, funding, or activities necessary prior to the commencement of the project: **N/A**

Expected Property Transfer, if applicable: **N/A**
Expected Construction closeout, if applicable: **Spring 2022**

In alignment with the WBC timeline, LCCC has initiated an engineering study for determination of costs and proposed timelines. Rehabilitation of space for the fabrication lab would begin in summer of 2021, with completion and full program rollout anticipated in the spring of 2022. Once funding is secured, the project will immediately commence, with adequate time allotted for each step and allowing for flexibility as needed.

A general timeline for the project is provided below:

March - July 2021	Project funding secured and construction plan finalization
August - March 2022	Facility rehabilitation and programming scheduled
Fall 2021	M2M Fabrication Lab outreach and communication
Spring 2022	M2M Fabrication Lab in use

9. READINESS. Will this project improve the community's readiness for future business development?

Yes ☒ No ☐

Explain:

According to the Greater Cheyenne Community Economic Development Strategy 2018, "Greater Cheyenne has a choice: invest in its future with greater intentionality, proactivity, and coordination or accept the consequences that accompany complacency, reactivity, and fragmentation...Rather than evolving into an economy that is increasingly entrepreneurial and characterized by a more highly-educated workforce, it could devolve into a community that is increasingly characterized by and supportive of government services, while continuing to lose residents and jobs to neighboring communities." Intentionally providing opportunities for growth and embracing the entrepreneurial mindset will progress our community and help us to reach our goals of business development and expansion.

The lab and associated programming in the M2M pathway will assist the community in building a culture of innovation and strengthen the current entrepreneurial ecosystem – enhancing the success of locally-developed business solutions and startup ventures. While generally fostering an atmosphere conducive to transformative companies, the skills needed by individuals to bring a product to market are also critical for development of a higher-skill, higher-value workforce. M2M soft skills – critical thinking, innovation and collaboration skills: critical thinking skills and the ability to problem solve; creativity and innovation skills; collaboration and teamwork; and communication skills – are regularly cited by almost all employers as necessary for business development.

The specific technical skills supported by the fabrication lab include:
Knowledge of the making process – project planning; design; applied math and technological skills; understanding how to use tools in making; and knowledge of basic manufacturing concepts. Knowledge of digital tools and diverse materials – knowledge of and facility with maker tools such as design technology, additive technology, laser technology, other computer-controlled machine tools, and electronics; and ability to work with a range of materials (wood, plastics, metals, etc.)

By closing a current gap in the M2M pathway the region will be better positioned to develop workforce skills aligned with the advanced manufacturing businesses targeted in state initiatives. As has been consistently demonstrated, many positions remained unfilled in the advanced manufacturing sector due to the lack of a skills-ready workforce. As noted in the attached supporting document from Derrek Jerred at Cheyenne LEADS, the Prospect Report shows ~60% of recent prospects are related to manufacturing and lack of workforce skills account for ~50 of all unsuccessful business relocation outcomes. (See Tab 1 for Prospect Report)

LCCC, in conjunction with the CEDS from Greater Forward Cheyenne, as well as the initiatives lined out through the ENDOW project, is proactively planning for the diversification of Wyoming's economy and stands ready to train the future workforce for the growing advanced manufacturing sector.

Through active partnerships and consistent stakeholder meetings and communication, the college has a long history of responsiveness to local needs and the ability to adapt and update trainings quickly. Having the additional capacity for fabrication skills training accessible to the local community is a critical investment in the region's economic opportunities.

10. COMMUNITY ENHANCEMENT PROJECTS:

a. How will this project improve the community's ability to attract and retain businesses?

N/A

b. Provide a priority listing of proposed community enhancement projects and sites related to economic development along with preliminary cost estimates;

N/A

11. DOWNTOWN DISTRICT. Is the project located in a downtown district? (If no, skip to Question 12)

NO

a. Is the community a Wyoming Main Street Community? If yes, please provide reinvestment statistics regarding the district.

N/A

b. Does the community have any downtown specific organizations and how are they involved in this project?

N/A

c. Discuss the community's downtown development strategy. Does the community have a downtown master plan or is the downtown part of another plan? Attach the community's comprehensive downtown strategy and/or planning documents.

N/A

d. If the community has a downtown plan, what projects have already been implemented and how is it impacting the downtown (jobs, business retention/growth, etc)?

N/A

12. HISTORICAL or CULTURAL SIGNIFICANCE (if applicable). Provide a background on the historic or cultural significance of the project. Describe the extent to which the project will preserve or enhance the historic or cultural significance of the asset and/or community.

N/A

13. PROCUREMENT/PREFERENCE/WYOMING SITES

a. Attach a Statement that the Applicant will follow State Procurement Standards Inclusive of W.S. § 15-1-113 and W.S. § 16-6-101, et seq.

See Tab 2 for the WY State Procurement Statement.

b. Attach acknowledgement that the Wyoming Preference Act (Wyoming State Statute § 16-6-201 through 16-6-206) will be adhered to throughout the project. For additional information please contact the Wyoming Workforce Services Labor Standards Office at: 307-777-7261. To view the actual statute, please go to the following link:
http://legisweb.state.wy.us/statutes/statutes.aspx?file=titles/Title16/T16CH6AR2.htm

See Tab 3 for the Wyoming Preference Act Statement.

c. Attach a Statement that the Applicant will list the site/structure on www.wyomingsites.com

See http://bit.ly/2fYgNAe for template.
This document must be signed by an Eligible Elected Official

See Tab 4 for Wyoming Site Statement – forthcoming from Laramie County.

14. REVENUE RECAPTURE PLAN, if applicable. Final draft or executed copy only. See Section IX. Will the project funded by BRC funds generate revenue?

Yes ☐ No ☒

If "yes," attach a specific plan that anticipates revenue streams and prioritize economic development initiatives to be paid for with the revenue. Revenue generated by the applicant or a private developer through BRC publicly funded infrastructure projects must be recaptured in full by the applicant. This plan must be signed and dated by Eligible Elected Official.

N/A - Similar to other college programming models, once established the fabrication lab will be self-sustaining through a mix of student tuition and fees, and auxiliary fee structures. The greatest community revenue benefit from the BRC investment will be in the small business and entrepreneurial ventures supported by the lab.

15. WORKFORCE TRAINING SCHEDULE, if applicable. Attach a workforce recruitment and/or training program. Include a program outline if the project involves educational development infrastructure for workforce or entrepreneurial training.

While plans for the fabrication lab are still being developed, a proposed schedule is included. The recommended hours will be for the lab to be open from 9 am to 7 pm Monday through Thursday with slightly extended hours on Friday to 8 or 9 pm. Weekend hours would run 10 am to 5 or 6 pm. While some aspects of the lab will require reservations and LCCC entrepreneurship students will have primary access, these hours will allow for adequate community and membership opportunities. Passes for community access will be offered at $25/month.

In addition, specialized classes and trainings will be held that will require reservations, and will be offered at a cost. A sample class listing from ICC Fab Lab, a fabrication lab at a community college in Kansas that serves as a model for the proposed fab lab is included in Tab 6.

Entrepreneurship students can earn a credit diploma through the program, that can be an add-on to other career or occupational degrees, or as a stand-alone certificate. The program is geared towards individuals who intend to start and run their own business. The Entrepreneurship program focuses on small business creation and management for the student or existing business owner. Enrollment in the Entrepreneurship program has grown over 200% since 2017. The Entrepreneurship Program map is included in Tab 7.

***16. OPERATIONS AND MAINTENANCE,** if applicable. Final draft or executed copy only. Attach a detailed Operations and Maintenance Plan (for Business Committed projects, the Business Plan may contain the O&M Plan). The plan should define the roles of the Applicant Community, CDO, developer, committed business, etc. in the maintenance of project infrastructure or facilities. The plan should include projected expenses and project income sources for the life of the asset.

The processes for maintaining the physical infrastructure fall largely within Plant Operations, which utilizes processes for three types of maintenance projects: major maintenance, minor maintenance, and preventative maintenance. While funding mechanisms and timeframes vary with the maintenance type, all three processes include regular identification and prioritization of

maintenance needs using stakeholder input, staff expertise, and data collected in the Computer Maintenance Management System (CMMS) which allocates human/physical resources to manage recurring maintenance needs. Major maintenance is funded biennially through State of Wyoming processes; these projects are overseen by the state's Construction Management Division and the Board of Trustees' (BOT) Facilities and Finance Committee. Minor maintenance and preventative maintenance are internally funded through the annual budget allocation process, including one-time funding requests for minor maintenance.

The college's Campus Master Plan includes current facilities usage and condition data as well as LCCC's vision for its future physical growth. The plan is developed and updated through a process that includes collecting internal and external stakeholder input through town-hall style meetings; proposed expansion displays; the college's shared governance structures, including College Council; and public BOT meetings. The campus master planning process is closely aligned with LCCC's strategic planning process and occurs every five years, following Wyoming Community College Commission requirements.

See Tab 8 for the detailed Operations and Maintenance Plan.

***17. LEASE AGREEMENT**, if applicable. Final draft or executed copy only. A signed lease agreement will be required if the applicant or CDO is leasing property as a part of this project.

N/A

***18. CONTINGENCY/DEVELOPMENT AGREEMENT**, if applicable. Final draft or executed copy only. The Contingency and Development Agreement between the applicant, the business, and a Community Development Organization (if applicable), agreeing that expansion or relocation will occur and under what conditions. Along with the details of the project and responsibilities of each party, it should address:

- The project
- Public benefit to be derived by the project
- Return or consideration by the private business in exchange for the public project
- Specified source of match funding by account name or other identifying characteristics
- Job creation, wages, and payroll
- What will happen in the case of project cost over runs
- Commitment of a business to a community
- Private investment
- Public procurement
- Performance measures and reporting
- Timelines
- Marketing of available properties, particularly on wyomingsites.com
- Responsibilities of each party
- Operations and Maintenance, if not included in another document
- Default remedies

A draft contingency/development agreement is included in Tab 9. The final agreement will be submitted upon funding approval.

19. SOCIAL SERVICES, (CHILD CARE, SENIOR CARE). If the project will expand social services, explain whether demand for those services is outpacing the existing supply of services. Attach any relevant documentation. What is the net effect on the local economy? Attach any relevant documentation.

N/A

20. MANAGED DATA CENTER COST REDUCTION PROJECTS:

a. Attach evidence that there is, or will be infrastructure, architecture, and services necessary for the support of a Tier II, Tier III or Tier IV data center.

b. Attach projected utility costs.

N/A

21. PROJECTS INVOLVING A PRIVATE DEVELOPER: Applicant must provide information about why it is necessary for public assistance in the private project and the consideration exchanged for the public assistance.

N/A

22. PROJECTS INVOLVING A COMMUNITY DEVELOPMENT ORGANIZATION OR ECONOMIC DEVELOPMENT ORGANIZATION: Applicant must provide a Certification of Incorporation.

N/A

SECTION IV: SITE INFORMATION

1. What is the location/address of the project? The M2M Fabrication Lab will be located at the LCCC Cheyenne Campus: 1400 E. College Drive Cheyenne, WY 82007

2. Is the project site currently publicly owned?
Yes ☒ No ☐

3. Does the project involve land acquisition?
Yes ☐ No ☒

If "yes," then who owns the site and what steps are being taken, and by whom, to acquire the property? Include documentation of owner's willingness to transfer property.

***PROFESSIONAL APPRAISAL:** If the project involves purchase of property, then there must be a professional appraisal completed by a qualified appraiser.

N/A

4. REHABILITATION. Will the requested grant or loan fund the purchase, rehabilitation, or expansion of existing infrastructure or facilities?
Yes ☒ No ☐

If "yes," explain.

The current location of the building will require rehabilitation in order to house the fabrication lab. This may include electrical work to run the machinery, additional ventilation for safety purposes, and rehablitation of the space to house the different components for the equipment and classes.

***QUALIFIED STRUCTURAL ANALYSIS:** A qualified structural analysis is required for all projects involving the renovation/rehabilitation or financing of an existing structure or facility. A professional analysis must be completed by a qualified structural engineer/architect.

5. Describe the site including total acres or square footage, size of developable area, and number of parcels for development. Also, describe any structures on the site, including useable square footage. Attach a detailed map, aerial photograph, and/or site plan showing the location of the project site and the facility proposed to be funded with BRC. If the project includes public infrastructure activities, the map should sufficiently detail those improvements and their location.

The total square footage of the proposed location in the AB building is 1,453 sq. ft. A detailed site plan will be included in Tab 11 with the Engineering Report upon receipt.

6. How is the site currently used?

The current use of space for the proposed fabrication lab location is the Auto Body building located on the LCCC campus. The site is currently used for educational purposes. The proposed

fabrication lab will be co-located directly adjacent to the proposed Advanced Manufacturing and Materials Center within the same building.

7. What is the proposed future land use of the site? Is it based on a community development plan? Reference the plan and describe how this project is consistent with that land use plan. Attach only relevant portions of the plan.

The proposed use of the site remains consistent with its' current use.

8. Is the site zoned?
Yes ☒ No ☐

a. If the site is zoned, attach a map and a description of the allowable uses under this zoning.

Main Campus - Main

The entire LCCC campus is zoned as a Planned Unit Development (PUD), and as such, the zoning allows for education, training, and community outreach activities. The M2M Fabrication Lab will be located in the current AB Building. The PUD Resolution for LCCC is also located in Tab 11.

b. Is the proposed use consistent with that designation?

Yes

c. Will a zone change be required for intended use? Explain.

No

9. Are there any known environmental concerns at the site such as asbestos, wetlands, floodplains, or sage grouse area?

Yes ☐ No ☒

If yes, explain:

N/A

10. Consult WYDOT if the project will take place in a public right of way. For projects within the Wyoming Department of Transportation rights of way, contact the WYDOT District Engineer. Attach a Letter of Acknowledgement from WYDOT. (A Right-of-Way Agreement with WYDOT may be necessary if a grant or loan is awarded.)

N/A

11. What infrastructure is necessary to serve the proposed site (i.e., water, sewer, electricity, natural gas, transportation facilities, and telecommunications) and what are the current coverage, quality, and capacity of the existing infrastructure? If there are deficiencies within any of the infrastructure systems, explain how the deficiencies will be improved.

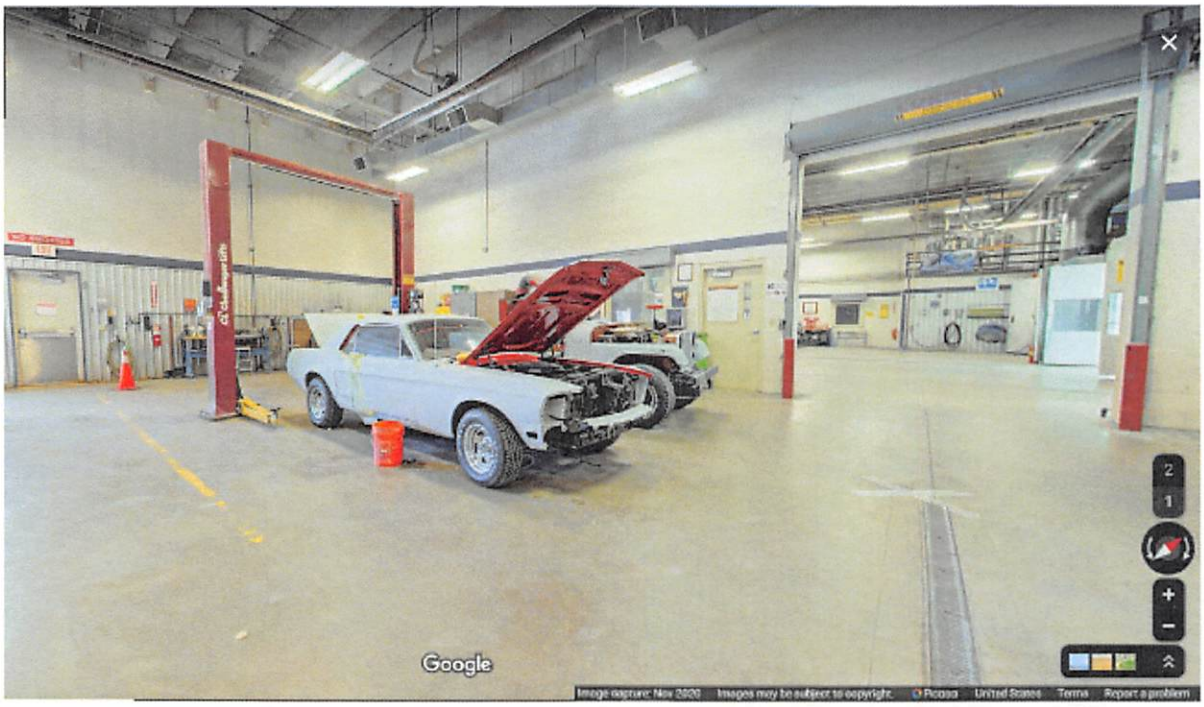
All utilities will be required to serve the proposed fabrication lab. The college has access to adequate infrastructure from the current Physical Plant, as well as with its arrangement with utility providers to service the site. Details are provided in the structural analysis in Tab 11.

12. SIMILAR SITES. Are there similar sites or facilities within the community that are un-utilized or under-utilized?

Yes ☐ No ☒

If "yes" please detail what makes this particular site unique or necessary.

13. DIGITAL PHOTOS. Please attach 2-3 digital (jpg) photographs suitable for project presentation.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Google


Google
Image capture: Nov 2020 Images may be subject to copyright. ©2022 United States Terms Report a problem

SECTION V: COMMUNITY INFORMATION

Attach portions of plans, studies, assessments, and/or reports that are relevant to project. Reference the attachment in your answer. (DO NOT INCLUDE LARGE REPORTS IN THEIR ENTIRETY).

Examples of applicable plans:

- A current Comprehensive Economic Development Strategy (CEDS) covering the area,
- A recent labor for availability study addressing such things as unemployment, underemployment, wage distributions, commuting patterns, skill availability and educational levels;
- A targeted marketing and recruitment strategy and who will be responsible for marketing;
- A housing availability study;
- A prioritized list of infrastructure projects, sites related to economic development along with preliminary cost estimates for land acquisition, engineering and construction;
- Any plans related to labor skills, materials availability, feedstock materials, etc.;
- Other appropriate studies relating to education, workforce, entrepreneurial development.

1. COMMUNITY AND ECONOMIC DEVELOPMENT GOALS. How does this project fulfill local and regional community and economic development goals? Is this project a part of an overall community plan? Does the community have an economic development plan or other study of the local economy?

A variety of local and regional plans, strategies, and initiatives have been developed to address the overwhelming need for Wyoming to diversify its economy. Even before the challenges brought by the COVID-19 pandemic, Wyoming has been caught in a downward economic spiral due to the loss of energy production. The challenges during the Covid pandemic have only exacerbated the issue, and brought the crisis to the forefront for many local businesses and education institutions across the state.

In response to the need, and as a solution for the region, the proposed M2M Fabrication Lab seeks to offer an option that provides for a multitude of initiatives that have been proposed. As shown below through two of the largest strategic proposals provided in recent years, it is evident that this fabrication lab will provide solutions to build the entrepreneurial ecosystem that is necessary to grow and expand business ventures locally.

Yes ☒ No ☐

If "Yes," then provide the names and dates of relevant plan(s) and describe how does the proposed project fits into the overall economic development strategy of the community.

Forward Greater Cheyenne Community Economic Development Strategy 2018

According to the Greater Cheyenne CEDS strategy, Cheyenne has multiple strengths that provide opportunities for individuals and/or businesses that may be looking to relocate to the region. A few examples are:

- supportive utilities
- public safety
- balance via downtown Cheyenne
- impressive arts, cultural, and recreational amenities
- strong middle class
- private sector job growth

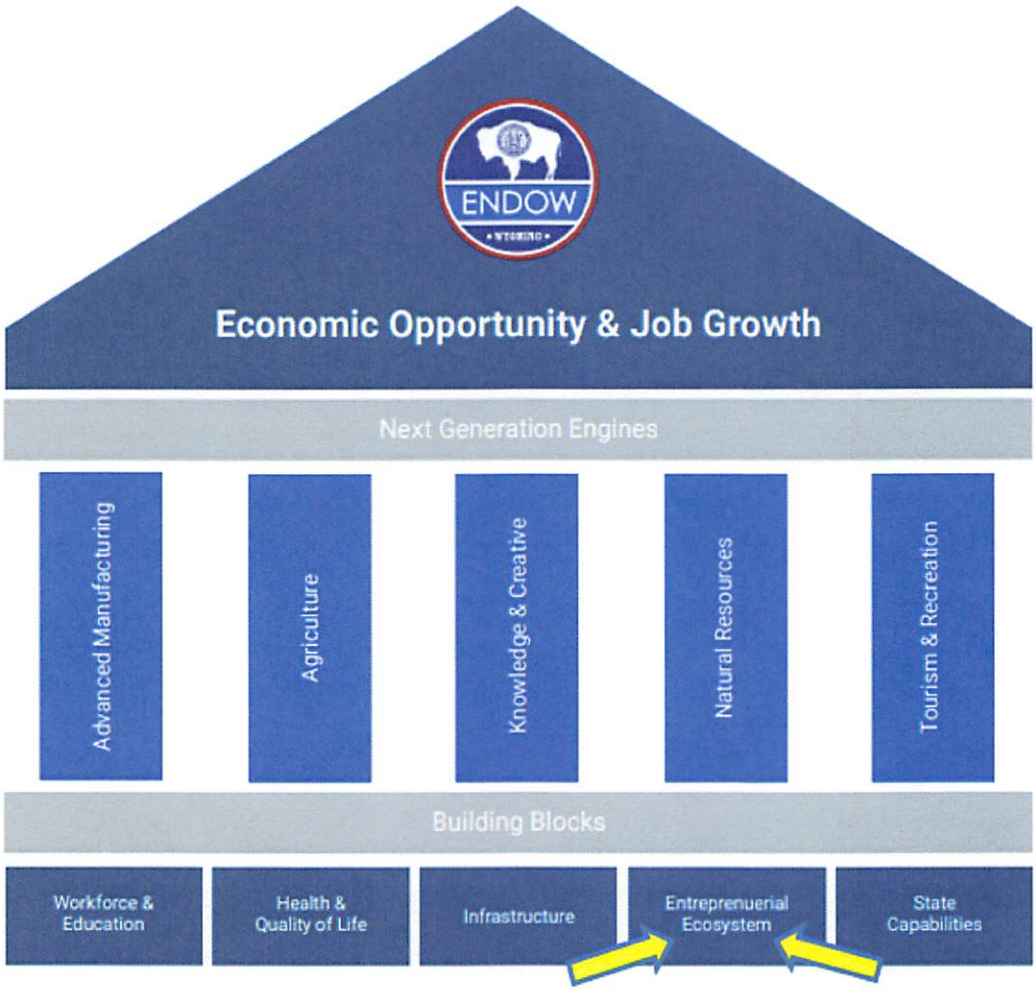
However, a listing of existing weaknesses was also provided, to offer suggestions for change to minimize/reduce the negative impacts moving forward. A few weaknesses to note:

- talent retention and competition with other Front Range communities (community is losing talent to neighboring communities along the front range)
- economic diversification (government services and predominately local serving sectors)
- entrepreneurship (characterized by low rates of self-employment and stakeholders have indicated that the area lacks sufficient support services for entrepreneurs)
- collaboration and coordination (There is concern that a historical lack of consensus among organizations engaged in community improvement has and could continue to inhibit implementation of strategic initiatives.)

The purpose of the CEDS is to improve options and focus on community development in order for the Greater Cheyenne area to attract families and businesses, as well as to incentivize current Wyoming families to remain. The M2M Fabrication Lab aligns directly with this focus, and seeks to provide growth opportunities for local entrepreneurs, and those who may choose to call Wyoming home.

ENDOW 20-Year Economic Diversification Strategy

The goal of the ENDOW 20-year Economic Diversification Strategy is to promote lasting economic growth at both state and local levels, ultimately seeking to diversify Wyoming's economy. The "house" of ENDOW (pictured below) consists of five pillars (industries) that will allow for Wyoming to grow and realize a future "where our state can prosper no matter what the economic climate or trend in commodity prices."



At the base of the house of ENDOW are the building blocks that must be in place to allow for this anticipated growth to occur. For the focus of this application, the Entrepreneurial Ecosystem will be built and expanded by the Fabrication Lab offered to college students, community members, small businesses, and entrepreneurs seeking to flesh out, develop, and develop their ideas. According to the strategy, innovation centers will be critical for entrepreneurial growth and must include resources needed for creative technological expression. ENDOW ascertains that these centers should be made available to local students and the public at large. Per the report, "A talented high school student that has a chance to work side-by-side with daring and successful entrepreneurs is much more likely to aspire to starting his or her own company."

In addition, the ENDOW strategy specifically recommends that WBC Business Ready Community Grants be utilized (and expanded) in order to create and establish these collaborative work spaces. From Appendix B.5 (page 105) – "*A critical component of any startup ecosystem is giving the pioneering creative class a place to work. Call it an incubator, an accelerator or an innovation center (herein they are referred to as Innovation Centers); at the end of the day it is an attractive*

well-organized space equipped with the tools needed to do the essential work and engage the outside world. It can be a new custom-built facility or it can be an existing building repurposed for creative work. Either way, the key is that it is attractive—it is a place where entrepreneurs want to spend their time... As to not duplicate efforts, we ***propose adding funding towards existing facility creating programs (e.g. WBC Business Ready Community Grants).*** *This additional funding should be earmarked towards communities looking to add to the network of Innovation Centers in Wyoming. It* ***is preferential to locate these additional Innovation Centers in places that people from outside Wyoming will find most desirable.*** *Locations should also have easy access to air service, modern communication infrastructure, plenty of outdoor recreation opportunities and a reasonably vibrant arts scene."*

As noted in the strengths section of the Forward Greater Cheyenne CEDS, Cheyenne is an ideal location for this innovation center/M2M Fab Lab. As the Entrepreneurship program has seen exponential growth in the past five years, locating this innovative space at the community college is advantageous to students and the entrepreneurship community overall. Excerpts from the Greater Cheyenne CED and the ENDOW strategy are located in Tabs 12 and 13.

2. Describe how the Plan addresses the targeted market(s)?

The target market is all individuals with an interest in product development and the skills needed for product manufacturing. Currently LCCC is the major provider of education and workforce training in the region and has strong recognition for these services within the community.

Having and accessible and affordable fabrication lab in the community closes a gap in the current maker-to-market (M2M) pathway and strengthens the local entrepreneurial ecosystem's ability to support locally invented and innovated products. By supporting the development of market-testable prototypes, small businesses and entrepreneurs have greater opportunities for business growth resources and leverage for access to startup capital.

As a progressive step in the existing entrepreneurial skills development and advanced manufacturing talent pipeline, the lab supports over two dozen fabrication skill-heavy occupations paths targeted in current Wyoming economic diversification initiatives.

3. Is there a list of current commercial and industrial vacancies available to prospective business?

Yes ☒ No ☐

N/A

4. How does the availability of the housing compare to the demand for housing should this project be successful? If necessary reference any applicable local housing statistics.

N/A

5. Please describe previous grant/loan experience through the Wyoming Business Council Investment Ready Community Programs.

LCCC has not been the recipient of any previous WBC funding.

SECTION VIII: BUDGET INFORMATION

PROJECT BUDGET - The project budget pages need to show how all eligible costs will be covered by both cash and in-kind contributions. Construction costs represented here must be supported by estimates from a qualified engineer or architect. A clear budget statement of the source of all funds needed to complete the project. (This includes total eligible project costs and other ineligible project costs.)

Part A: Eligible Project Costs

Eligible Project Costs	
1. Land, structures, rights-of-way, appraisals, etc.	$25,000 (est. from appraisal)
2. Architectural and engineering fees	$7,827.00 (Est.)
3. Other (surveys, tests, etc.)	$0
4. Project inspection fees	$0
5. Site work	$
6. Demolition and removal	$
7. Construction	$517,173.00 (est).
a. Electrical Systems (*)	$
b. Mechanical, Plumbing, HVAC Systems (*)	$
c. Landscaping (*)	$
d. Foundation and/or Structural Framing System (*)	$
e. Interior Finishes (*)	$
f. Fire Protection (*)	$
g. Remediation (*)	$
h. Other (*) – please specify	$
8. Miscellaneous/Other (Please explain in detail on additional page(s)	$
9. Subtotal (sum of lines 1 through 8)	$
10. Contingencies –	$
Total Eligible Project Costs	
11. Total Eligible Project Costs *Use this amount for Part B, Number 1 and as the Total Eligible Project Costs as listed on the cover sheet.*	**$550,000**

(*) = Required for projects involving the construction of a new or existing building

Part B: Funding Sources

1. Total Eligible Project Cost *This amount will be the same as Part A, Number 11 and will be reflected on the Cover Sheet as the Total Project Cost.*	**$550,000**	1a

2. Local Match

a. Cash Match. List cash match funding source(s) and amount. Identify whether the amount has been provided or is being requested. Provide the status and the date funds were approved or the date that funds are expected to be approved.

Cash Match Source	**Status (approved or pending)**	*Date of Approval*	**Cash Amount**
LCCC College and LCCC Foundation Funds	Pending		$25,000.00
Total Cash Match			**$25,000.00**

2a

b. In-kind Match. List in-kind contribution types, descriptions, sources and values. These amounts should also be reflected in Part A: Project Costs. **Attach Statements of Intent.**

Description	**Source**	**Value**
Example: Road Grading	*City Employee*	*40 hrs @ $15/hr = $600*
M2M Fab Lab Real Property Value	Pending Appraisal	$25,000.00
		$
Total In-kind Match		**$25,000.00**

2b

c. Total Local Match (Sum 2a and 2b)	**$50,000.00**

2c

3. Match Percentage (2c divided by 1) **<u>Category 1 Applicants:</u>** Business Committed/Community Readiness match of 10% of Total Project Cost. Half the match must be cash. Community Enhancement match of 25%. Half of match must be cash. Planning match of 25%. Match must be all cash. **<u>Category 2 Applicants:</u>** Business Committed/Community Readiness match of 5% of Total Project Cost. Half the match must be cash. Community Enhancement match of 20%. Half of match must be cash. Planning match of 25%. Match must be all cash. **See:** www.wyomingbusiness.org/matchcalculator	**10%**

4. Business Ready Community (BRC) Request (Subtract 1 - 2c) *This is the amount of money you need to complete the project.*	**$500,000.00**

Part D: Ineligible Costs

Ineligible project costs include fixtures, appliances, equipment or other features of a facility not physically attached.

1. Ineligible Project Costs (if applicable)	
Ineligible Items	Amount
Equipment – From existing entrepreneurial program/business donations	$8,045.00
Furniture and Fixtures from existing resources	$5,000.00
Personnel – Federal Work Study & Intern	$71,111.00
Materials and Supplies	$32,864.00
TOTAL Ineligible project costs	**$117.020.00**
2. Local Contribution Toward *Ineligible* Project Costs (if applicable)	
Source of Funding	Amount
LCCC In-Kind	$ 7,400.00
LCCC Foundation Innovative Academics Funds	$ 1,600.00
Federal Work Study Funds	$47,111.00
Business/Community Donations and Usage Fees	$ 36,909.00
Intern (Impact 307 Funds)	$24,000.00
TOTAL Source of Funding for Ineligible Project Costs	**$117,020.00**

Part E: Total Budget

Total Eligible Project Costs	$550,000.00
Total Ineligible Project Costs	$117,020.00
Total Budget	**$667,020.00**

SECTION X: PERFORMANCE MEASURES

Performance Measure Chart

M2M Fabrication Lab			
	Measure	**Quantity**	**Notes**
Return on Investment Performance Measures	Return on Investment	**(%)**	Determined by Regional Director
	Job Creation (Years 1-5)	**N/A**	Full Time Equivalents
	Median Wage of Jobs Created	**N/A**	
	County Median Wage	**N/A**	
	Jobs to be Retained	**N/A**	
	Estimated Cap Ex (Year 1)	**N/A**	
	Estimated Cap Ex (Year 2)	**N/A**	
	Estimated Cap Ex (Year 3)	**N/A**	
	Estimated Cap Ex (Year 4)	**N/A**	
	Estimated Cap Ex (Year 5)	**N/A**	
	Year 0 Payroll	**N/A**	
	Estimated Payroll Increase (Year 1)	**N/A**	
	Estimated Payroll Increase (Year 2)	**N/A**	
	Estimated Payroll Increase (Year 3)	**N/A**	
	Estimated Payroll Increase (Year 4)	**N/A**	
	Estimated Payroll Increase (Year 5)	**N/A**	
	Estimated Taxable Sales (Year 1)	**N/A**	
	Estimated Taxable Sales (Year 2)	**N/A**	
	Estimated Taxable Sales (Year 3)	**N/A**	
	Estimated Taxable Sales (Year 4)	**N/A**	
	Estimated Taxable Sales (Year 5)	**N/A**	
Additional Performance Measures	Businesses Assisted	**45**	
	Loan Repayment	**N/A**	
	Revenue Recapture	**N/A**	
	Additional Investment	**N/A**	
Project Infrastructure	Acres Developed	**N/A**	
	New Building Construction	**N/A**	SQFT
	Existing Building Construction	**1453**	SQFT
	Water	**N/A**	LF
	Sewer	**N/A**	LF
	Road	**N/A**	LF

Additional Performance Measures are located in the Goals and Objectives section of this application on pages 14-15.