

SOCIAL ENTREPRENEURSHIP & Our Clean Energy Future!

By:

Jim Bensen, President Emeritus
Bemidji State University

**Nobody
Said It
Would
Be
Easy!**

- **“The difficult is what takes a little time; the impossible is what takes a little longer.”**
- **(Fridtjof Nansen,**
- **Nobel Peace Prize, 1922)**

CLEAN ENERGY SNOW BLOWER!

Innovating with the
tools that you
have...transforming
one step at a time!



Social Entrepreneurs:

UW-Stout

- +Department of Energy & Transportation
- +Big Wind – Small Wind
- +Solar Vehicles
- +Minto/Wankle Engine
- +Hydrogen Car
- +First on Campus Incubator
- +114 Acre Stout Technology Park
- +Futures Certificate
- +B.S. Quality/Baldrige Award
- +Tom Peters, In Search of Excellence Recognition

Social Entrepreneurs: Dunwoody College of Technology

- +Applications Engineering (HVAC Design)
- +Analog to Digital Conversions
- +Sensor Technology
- +Computer Aided Design/Automated Systems
- +U.S. Dept. of Ed: Top Ten

Social Entrepreneurs:

Bemidji State University

+Design for Recruitment

+Distance Learning

+Center For Research & Innovation

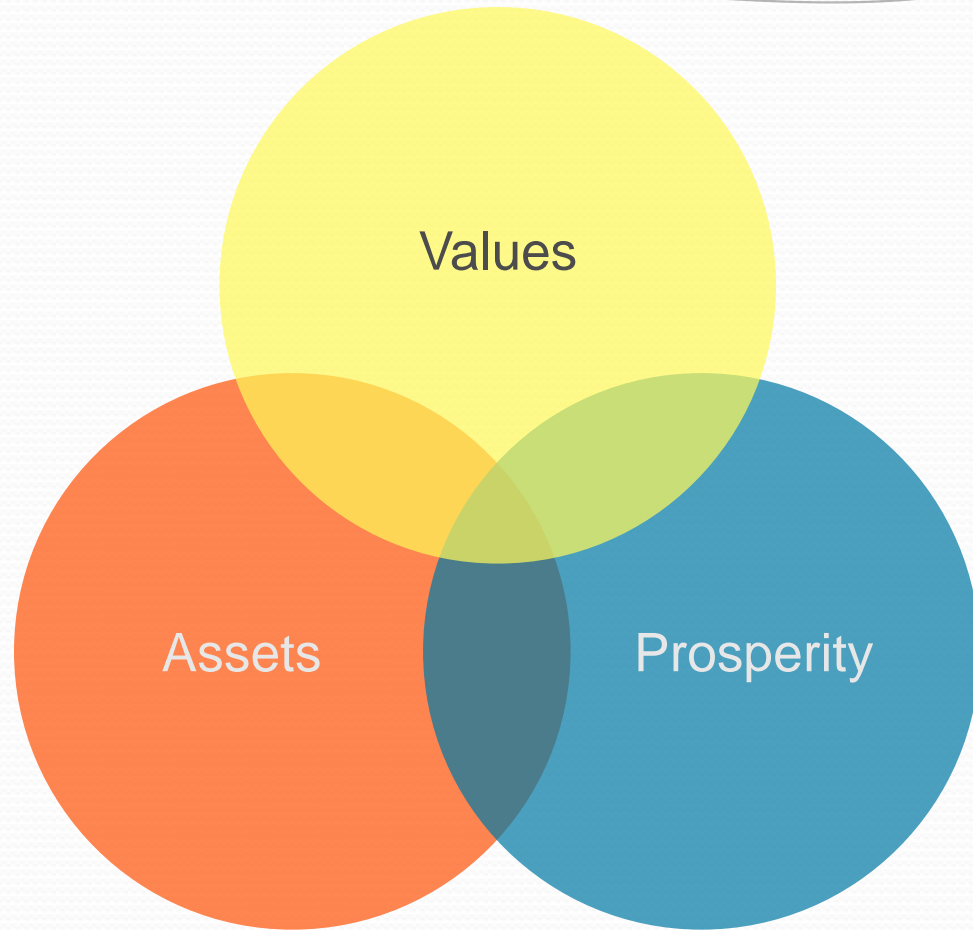
+Northern Tier High Technology Corridor

+1st in Knowledge Management (Oracle/IMB)

+Imagineering

+Green Campus Initiative

+etc.



Jim Collin's Hedgehog Concept



Building a future of promise for our community

[Home Page](#)

[Stewardship](#)

[Destiny Drivers](#)

[Stewardship Academy](#)

[Get Involved](#)

Our Shared Destiny

Through intentional, collective action, Bemidji will be:

a healthy community, successfully balancing regional center amenities and small town beauty and character;

a vibrant economic center recognized for its innovation, creativity and knowledge;

a social, cultural, recreational and educational magnet;

an embracing, culturally diverse community;

a people committed to shared prosperity and long-term community stewardship; and

the star of the north, a national model of community success.



[Download the](#)

BemidjiLeads! in the News

- [Bemidji Regional Events Center Facts](#)
- [Bemidji Leads! the focus of MPR](#)
- [Bemidji Leads! honors Community Stewards](#)
- [A passionate group of stewards](#) for the Bemidji community has been formed to lead the project, chaired by Jim Bensen.
- [Bemidji Leads! receives Northwest Minnesota Foundation Grant](#)

BemidjiLeads! 2.0 Action Teams

1. [Growing and Attracting Talent](#)
2. [Creating Prosperity](#)
3. [Promoting Wellness](#)
4. [Building a Livable Community](#)
5. [Encouraging Civic Engagement](#)

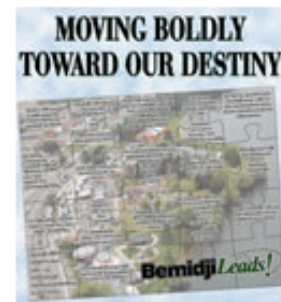
Join the Movement

If you care about the Bemidji community's future, join the movement! How?

- Bemidji is not a spectator sport, so [tell us what you think about Bemidji and the dreams that you have](#)

[Click here to download a copy of the SHARED VISION REPORT](#)

[Click here to Meet the Stewards of Bemidji](#)



[Click to view all of our Destiny Drivers](#)



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Successful Communities Are Built, Not Born

What makes communities successful has changed dramatically over the past decade. Evidence shows that now, more than ever before, successful communities can be built. In fact, it has become evident that those assets that lead to successful community development are, indeed, not inherited. Great communities are not born. They are built. In other words, the characteristic assets of a successful community can be created, developed, and encouraged.

Community Development Starts Here

The Center for Community Stewardship helps to jump-start community development by empowering its most powerful asset — its leaders.

Your Community *Can* Grow And Succeed!

Great communities aren't born, they are built. We can show you how.

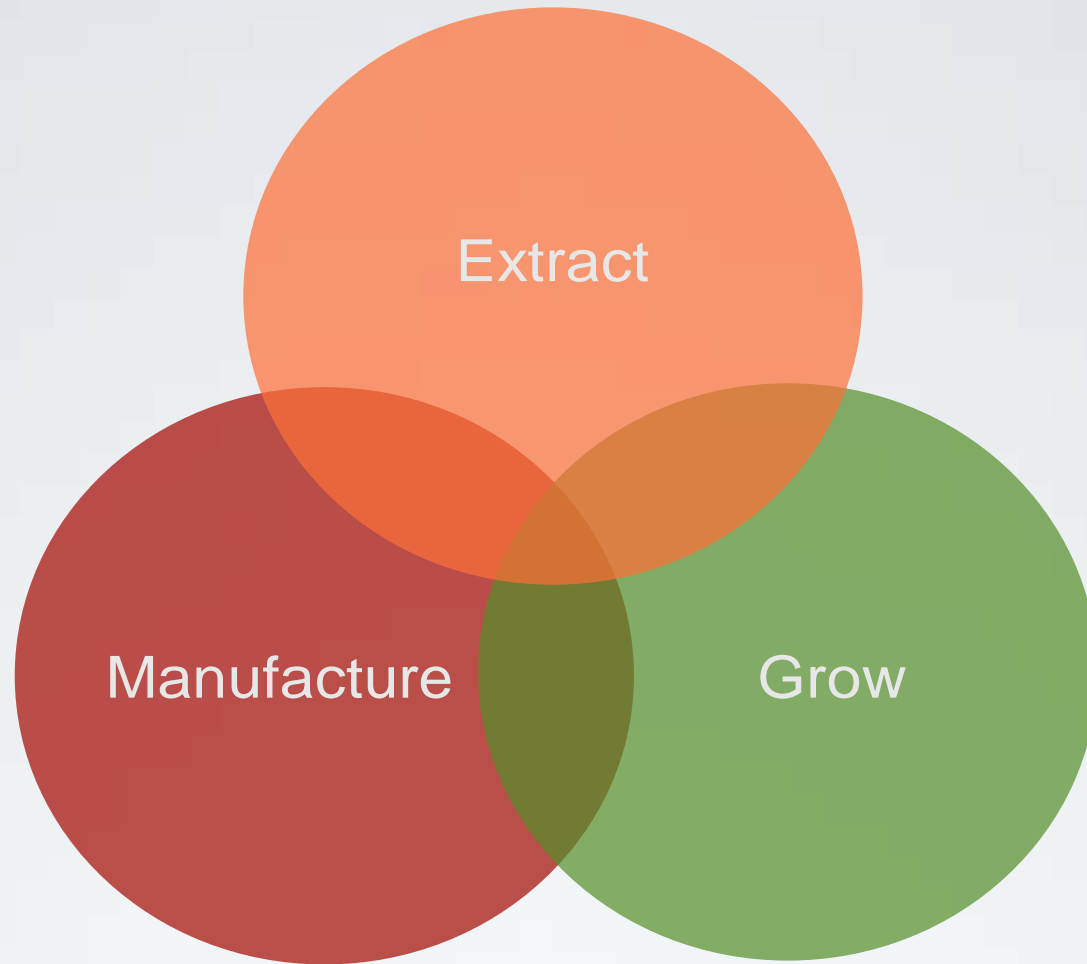
[Click here](#) to learn about our Steward Development program, a proven way of teaching leadership and encouraging community



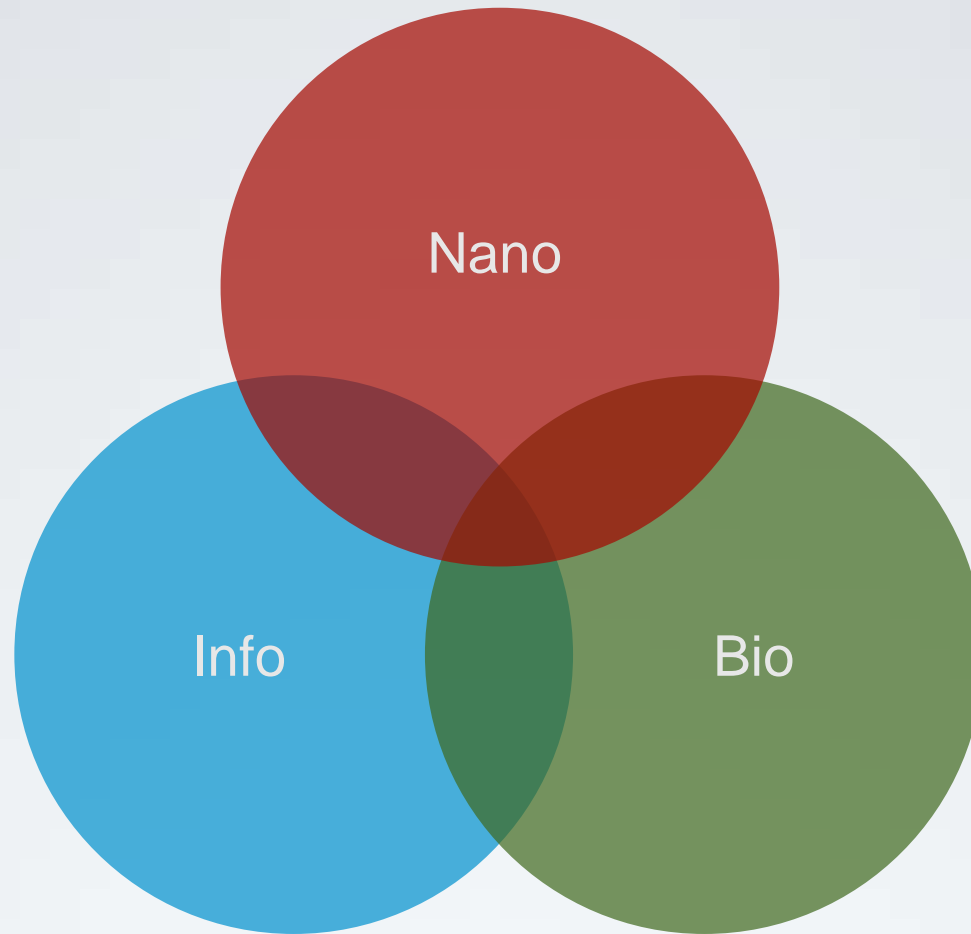
**The Center for
Community Stewardship
welcomes
Thief River Falls, Fergus
Falls & Appleton!
*Together, we're building***

IDEAS, IDEAS, IDEAS!

To “know that” and to “know-how”, engaged within a passionate spirit of innovation!



**THE “VISIBLE” WORLD OF THE
TRADITIONAL ECONOMY**



THE “INVISIBLE” WORLD OF A
KNOWLEDGE-BASED ECONOMY

The Process

Scientific Method

State the question

Develop hypothesis

Conduct experiment

**Observe/gather data/
draw inferences**

Build theory/state law

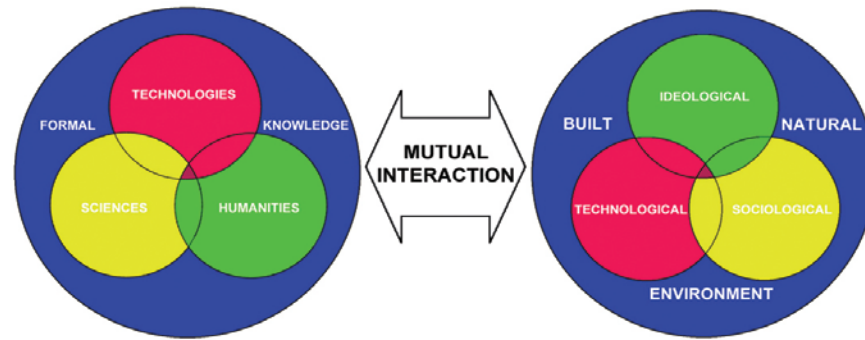
Technological Method

Identify want/need

**Design/develop/invent/
innovate/problem solve/
create/engineer (verb)**

Develop solution(s)

Patent (if appropriate)



Disciplines

Science

- Physics
- Chemistry
- Biology
- ETC

Technology

- Mechanical
- Electrical
- Civil
- Chemical
- Bio
- ETC

Systems

Technological

- Manufacturing
- Construction
- Communications
- Transportation
- Biological
- ETC

CHARACTERISTICS OF SCIENTIFIC, TECHNOLOGICAL AND TECHNICAL WORK

Forms of work	AIMS		MEANS		Consequences
Scientific Work	Motivated by a cognitive or theoretical interest	To know that...	Methods, tools, and skills characteristic of discovery	Guided by systematic rules of inquiry	Theoretical knowledge in the form of theories and laws
Technological Work	Motivated by a pragmatic or instrumental interest	To know how...	Methods, tools, and skills characteristic of invention	Guided by theoretic knowledge and by effectual practice	Instrumental knowledge in the form of systemized rules
Technical Work	Motivated by a practical or productive interest	To do or produce...	Methods, tools, and skills characteristic of production	Guided by systems of prescribed rules, or by rule-of-thumb	Things done or produced



Now You See it – Can You Believe it? +

- +Areogels
- +Grow Products
- +Powdered Water
- +Genetic Savings & Clone (Gene Bank)
- +Smart Dust
- +BioSteel
- +Hemcon Bandage
- +Programmable Tattoo

Fast....

Faster...

Fastest....!

- Nano Seconds (billion)
- Pica Second (trillion)
- Femto Second (quadrillion)
- Atta Second...the length of time it takes light to travel across a single atom!

You Plan FROM the Future!

“You either claim your destiny or it will claim you!”

--Joseph Campbell

Resistance to change!

“On every crossroad on the path that leads to the future, tradition has placed 10,000 men to guard the past!”

...Maurice Maeterlinck, Nobel Literature, 1911

Innovative Entrepreneurs

- +Paul Hunt, Hunt Utilities Group
- +Edgar Heteen, Polaris/Artic Cat/May Industries/ASV
- +Ronald D. Offutt, Lamb, Wesson, RDO
- +Bob Cervanka, Phillips Origen
- +Andy Wells, Wells Technology/Wells Academy
- +And,.....thousands more....

Making a Difference!

“Isn’t it strange, that princes & kings,
And clowns that caper in sawdust rings,
Are common people like you and me,
Are builders for eternity?”

Each is given a bag of tools,
A shapeless mass, a book of rules;
And each must make – Ere life is flown –
A stumbling block – Or a stepping stone!

R.L. Sharpe