

Jobenomics: The economics of small business and job creation.



Jobenomics Erie Freedom Farms Goal: Create 650 new direct jobs within the next 5-years with initial emphasis on veteran-owned businesses.

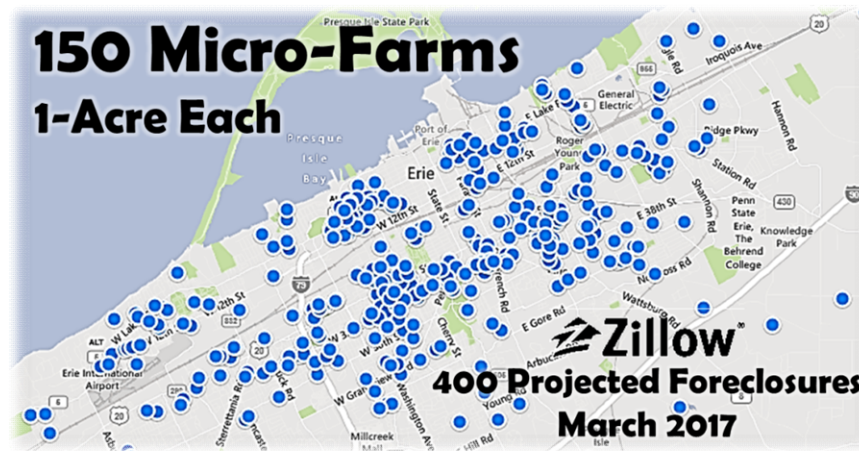
Chuck Vollmer

4 April 2017

Urban Agriculture

Jobenomics Erie Program		Direct Jobs (est. 5 Years)	% of 3,500 Job Goal
Urban Agriculture		650	19%
	Micro-Farms (150)	450	13%
	Controlled Agriculture Center	200	6%

- 650 new direct jobs within next 5-years (not including temporary demolition, construction or long-term indirect jobs)
- Initial location: 1573 West 39th Street, Erie (VMCE)



Initial focus will be on hydroponic and vertical indoor farming.

Jobenomics ACTS Freedom Farms

JOBENOMICS™
Erie, Pennsylvania

- **Team:** Jobenomics is teamed with ACTS Freedom Farms of America
- **Mission:** Provide a solution to the world's food shortage through self-sustaining and supportive live-work communities.
- **Vision:** Provide quality foods in harmony with the global environment, while empowering individuals to become an important partner in high-tech controlled environment agriculture.
- **Strategy:** 1) home ownership combined with an agriculture career, 2) corporate owned hydroponic commercial growing operations and 3) contracted privately owned and operated micro-farmers



ACTS

**Freedom
Farms
of America**

Veteran Owned...Hydro-organically Grown



Initial operations: 20,000 veteran-owned micro-farms in 5-years.

Jobenomics Erie Freedom Farms

- Initial cadre will be mostly veterans (vetting and financing considerations) but will also include non-veterans.



- Central controlled agricultural center (AG Core) manage and source crop production, processing, distribution and sales to fresh market outlets (grocery, restaurants, and international).
- Each micro-farm will consist of the land, 2,500 sq. ft. home and a leased state-of-the-art hydroponic and vertical agriculture 6,000 sq. ft. greenhouse that will be equipped and supplied by AG Core.



Estimated \$60,000 annual salary per micro-farmer.

Greenhouses & Technologies

Venlo



Sun-Mate



RBI



A&B Hydro



ACTS FFA is partnered with leading indoor controlled AG companies.

Erie Veteran-Owned Firms

- Initial effort will involve veterans but be expanded to other demographics.

Source: U.S. Census Bureau (2012)

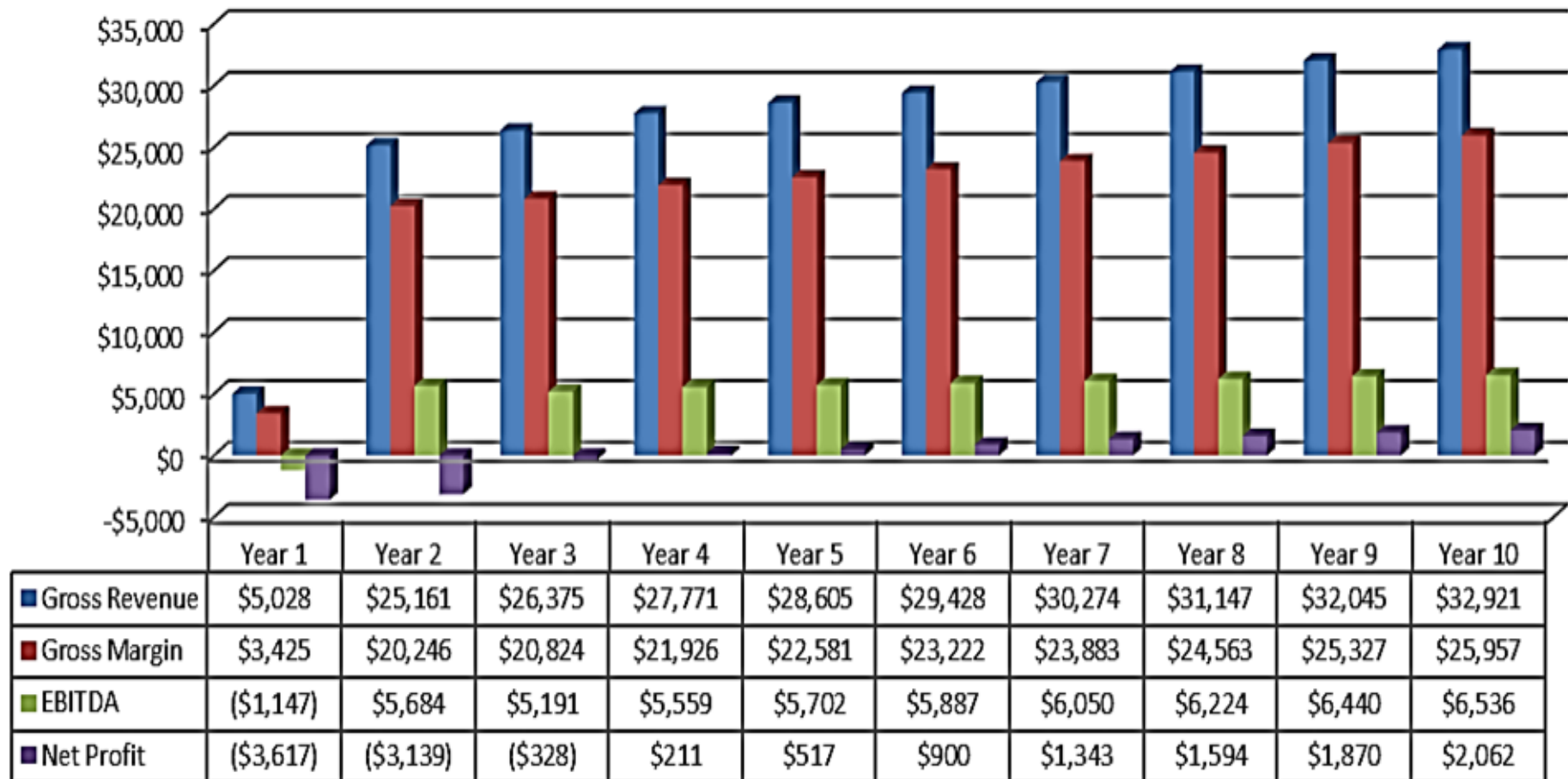
	Erie City	Erie County
Total Firms	6,280	18,667
Men-owned firms	55%	58%
Women-owned firms	31%	30%
Minority-owned firms	16%	7%
Veteran-owned firms	8%	9%
Number of Veteran-owned firms	471	1,639

- Veterans Miracle Center Erie (VMCE), a highly respected local 501c3 non-profit organization, will lead Jobenomics Erie's veterans programs. .



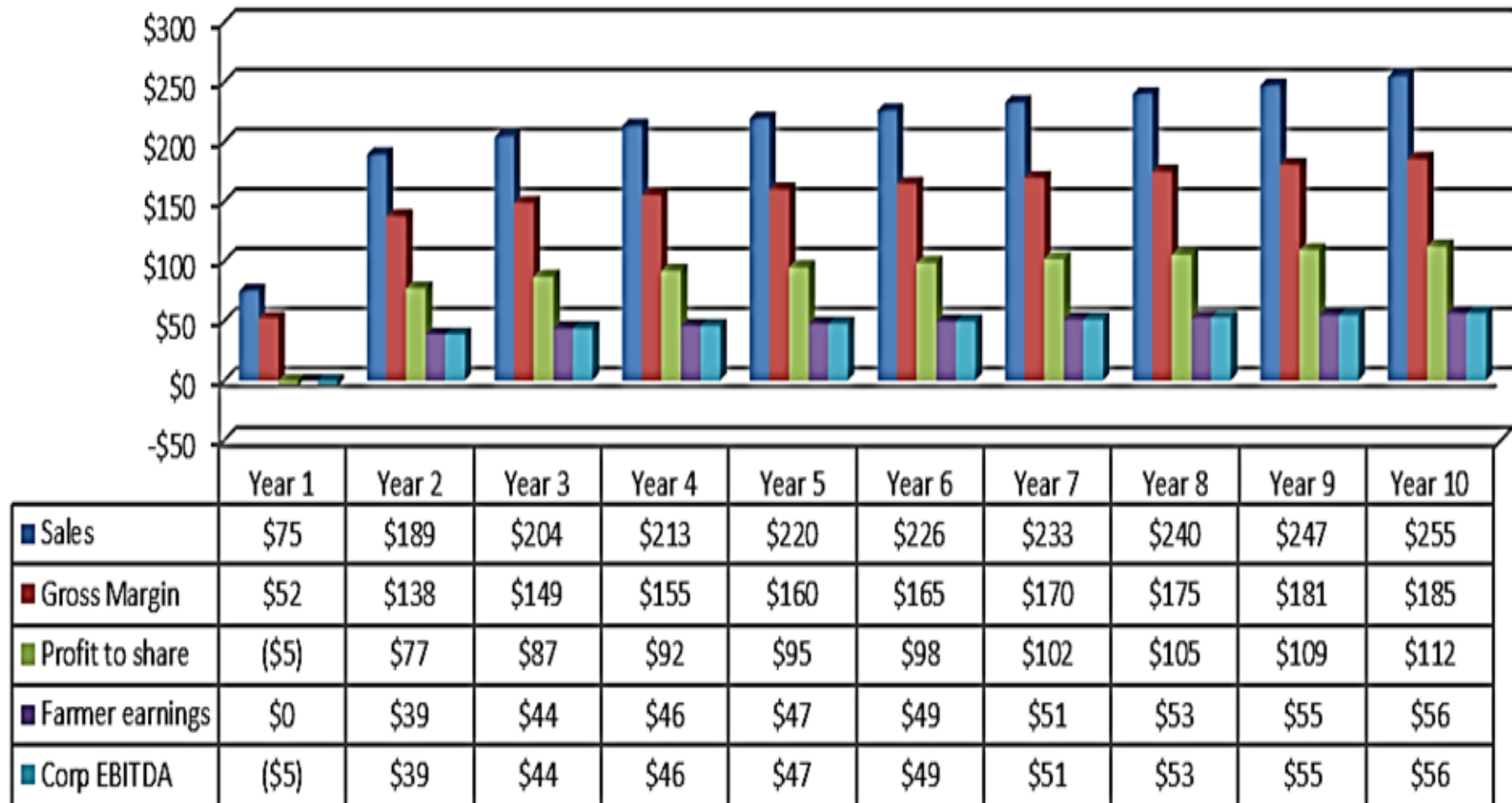
John Kowalczyk, VMCE Founder, leads J-Erie's veterans programs.

Jobenomics Erie Freedom Farms Estimated Financials (in 000s) AG Core + 100 Micro-Farms



Estimated \$30,000,000+ annual revenue to Erie.

Jobenomics Erie Freedom Farms Estimated Financials (in 000s) For 1 Micro-Farm



Estimated \$56,000 annual farmer earnings.

Sources Of Funding & Support

■ Startup Capital & Support

- Corporate sponsorship
- Government bonds and grants
- Debt financing and/or equity investment (7%-9% interest)
- Special programs (e.g., HUD Section 203, 3 and 8 funding, EB-5)
- Philanthrocapitalism

■ Sustaining Capital & Support

- Urban mining and urban agriculture profit sharing
- Corporate hiring and subcontracting
- New business hiring and profitability
- Mezzanine financing
- Micro-business loans

ACTS Freedom Farms has securing funding for the equipment (estimated \$75 to \$100 million depending on configuration). Erie needs to raise seed-capital (\$10 to \$13 million) for initial operational expenses and building lease/improvement costs.