



Buffalo Niagara  
Medical Campus

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# National Grid-Buffalo Niagara Medical Campus Energy Innovation Partnership



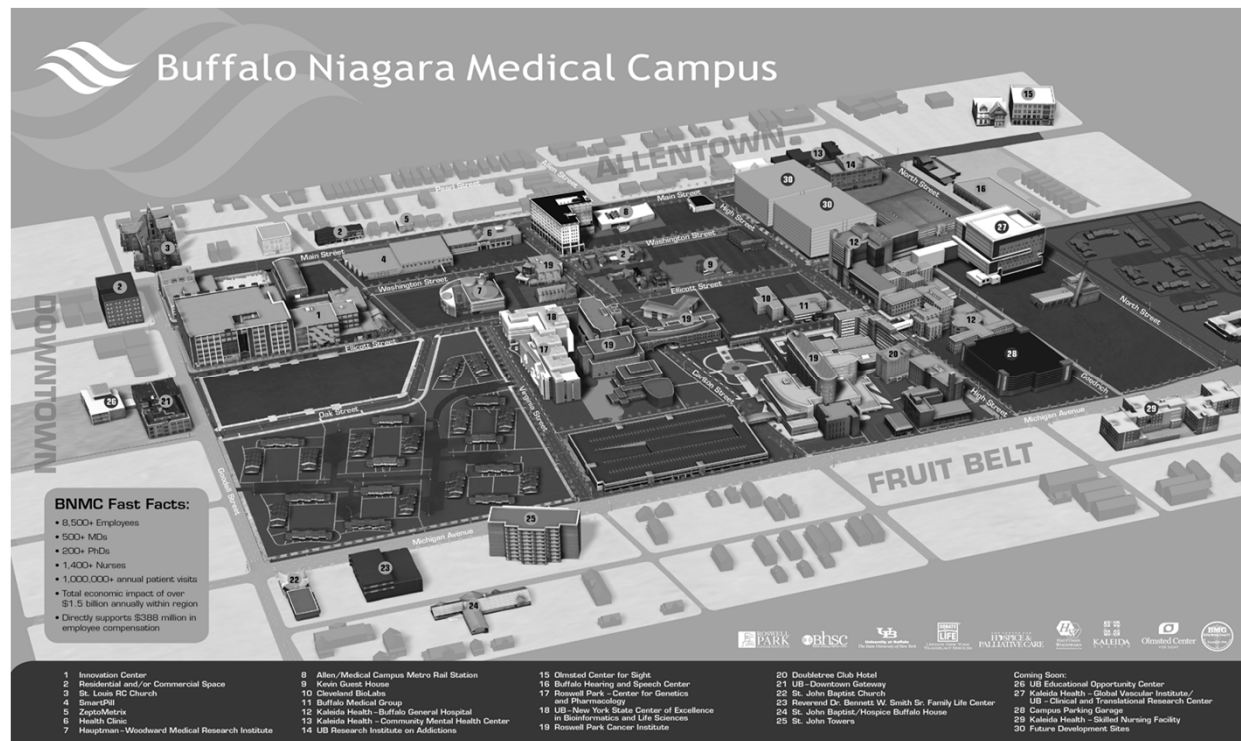
AERTC Conference | October 12, 2011



# Introduction to the Buffalo Niagara Medical Campus

## Key facts:

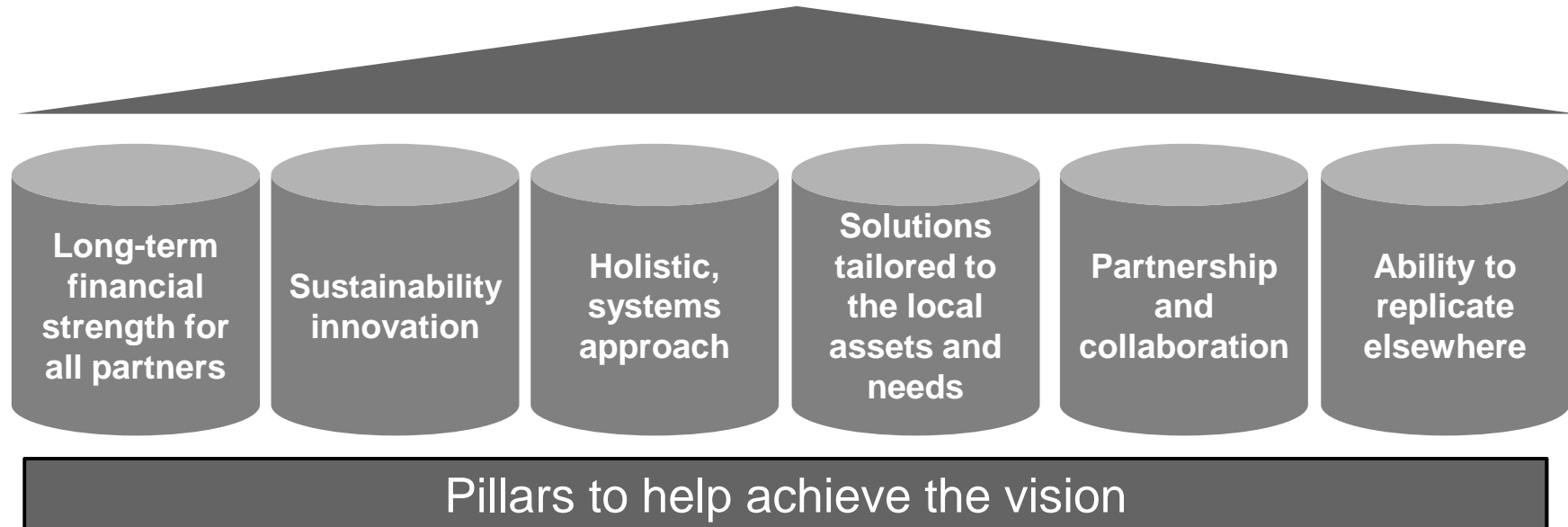
- Institutions: 9 member institutions, including University at Buffalo, Kaleida Health and Roswell Park Cancer Institute
- Current square feet: 3.4M (gross)
- Current land area: 120 acres
- Projected growth: 300% by 2030, including University at Buffalo expansion
- Employees: 8,500
- Nearby residents: over 7,000





## Partnership Vision

Vision: The National Grid partnership with the Buffalo Niagara Medical Campus will define and implement the global standard for an **efficient, modern, high-quality, and customer-driven energy platform**. National Grid will provide a world class customer experience while enabling BNMC's plans for **economic growth** and innovation both on the campus and in the broader Buffalo-Niagara region.



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# APPENDIX



# Initiatives will be organized in five major opportunity areas

Opportunity Areas	Brief description
<b>Cost-Cutting Energy Efficiency</b>	Opportunity to pursue cost-reducing, holistic, innovative approach to energy efficiency across the campus and in surrounding neighborhoods, while ensuring reliability.
<b>Foster Local Economic Growth</b>	Opportunity to modernize current energy infrastructure, providing high-quality, reliable power as the campus grows. Opportunity to attract new talent and jobs to the campus and surrounding community with an innovative, modern energy platform.
<b>Alternative Energy &amp; Transportation</b>	Opportunity to position the campus and communities as global leaders in alternative energy and transportation system innovation, enhancing the reputation of the campus, addressing issues of parking and congestion, and creating revenue opportunities.
<b>Community Learning Hub</b>	Opportunity to position the campus and surrounding communities as thought leaders in energy, develop local talent, and become a learning destination.
<b>Health + Energy Innovations</b>	Opportunity to pioneer new research, technologies and collaboration at the nexus of health and energy to retain and recruit top talent in the region.

# Wider benefits of the partnership for the Buffalo region

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## Job creation

Foster job creation and attract talent through the modernization of energy infrastructure and services. Smart Grid Workforce, Engineering our Future. Build Buffalo's economic potential.

## Business Development and Company Creation

New energy platform and nexus of health and energy opens new opportunities for business development (consulting services, operations efficiency). Local expertise developed and retained through company creation.

## New Products and Services

Targeting previously unmet energy, environment and health needs, building on job creation and business development efforts. New energy products, services and solutions for businesses and households.

## Grants and R&D

Strengthen reputation, expertise and funding base for cutting edge research at the nexus of health and energy. Attract research talent—become a learning destination—and opportunities for collaborative efforts nationally and internationally. Build campus as world leader.

## Innovation

Build and attract thought leaders in cross-cutting fields of energy, environment and health. Innovation in products, services, research and policy.