



BRINGING MOMENTUM BACK TO MAIN STREET SERIES PRESENTS:

GEO SUMMIT 2013

DAYTON, OHIO



SEPTEMBER 24, 2013

2 PM- 5 PM

TECH TOWN BLDG 3

241 Taylor Street

Dayton, Ohio 45402



- 2:00 Sign in/Networking
- 2:30 Geothermal Systems / Tax Credits
- 2:55 Financing GEO
- 3:20 GEO Utility of the Future
- 3:45 Geothermal Systems: Dayton's Potential Future
- 4:10 Making the Case: Adaptive reuse using Geothermal
- 4:30 Q&A/Networking

SUMMIT SESSIONS

GENE SLAVENS
BUSINESS DEV.
CLIMATEMASTER
OKLAHOMA
CITY, OK



- **GEO THERMAL SYSTEMS** DESIGNS THAT
- **GEO THERMAL TAX CREDITS** FILLING THE EQUITY GAP

Get the details on the different types of geothermal heating and cooling systems. Gene will explain the geothermal heat pump concept and explore the various different loop types in conjunction with hybrid geothermal systems. Learn about the advantages of GHP, costs and life-cycle benefits associated with the systems. Gene will also go over the tax credits associated w/ GEOthermal installations.



DAVID NEALE
V-PRESIDENT
ENERGYWISE
PARTNERS LLC
ROCHESTER, NY

- **FINANCING GEO: WHAT ARE THE OPTIONS?**

*What if you **did not** have to incur the capital/construction cost of installing your geothermal heat pump system, how would that work?* David will dive into geothermal heat pump systems and the opportunity of financing the installation of a GHP system through an entity-ownership model. He will discuss system leasing versus thermal purchase agreements and how monitoring enhances system support and warranty. He will also discuss the opportunity of a geothermal utility and the associated financial structure.

- **GEO: UTILITY OF THE FUTURE**

Energy has become a defining issue of our time and Climate Change is a concern that we can no longer choose to ignore. The effects of Super Storm Sandy, in New York and New Jersey, have reinforced the growing sense, in political circles, that the reality of Climate Change has put our Nation at risk. The purpose of this exercise is to explore the Ground loop service provider concept and the various methods to accomplish that and targeted market potentials for this technology.

- **GEO THERMAL SYSTEMS** WHERE DAYTON IS, HAS BEEN AND POTENTIAL FUTURE

Many Downtown Dayton buildings are presently taking advantage of the vast buried water aquifer beneath the City by using this underground resource to energize geothermal based building HVAC systems. This energy (and cost) saving technology has been around for years and many forward-thinking building owners have reaped the benefits. This presentation will highlight the recent study commissioned by the City of Dayton and conducted by Heapy Engineering regarding the expansion of the use of geothermal systems throughout downtown. A review of existing buildings using geothermal systems, as well as the possibilities for future development will also be presented.

- **MAKING THE CASE** ADAPTIVE REUSE CASE STUDY USING GEO THERMAL HVAC

During the development process of an adaptive reuse project of 6 historic warehouse buildings in Downtown Dayton known as "The Cannery", the developers were up against budget overruns. Hear how these challenges were overcome through the process of value engineering and the introduction of geothermal technology. Learn how the system was installed with virtually no additional land for a well field and review the savings on construction costs and operating expenses associated with the use of the geothermal heat pump systems.

— SPONSORS —



JACK DIENNA
EX. DIRECTOR
GEO-NII
PHILADELPHIA, PA



MICHAEL BERNING
PRINCIPAL
HEAPY
ENGINEERING
DAYTON, OH

DAVID WILLIAMS
DIRECTOR
MARKET RATE
HOUSING
CITYWIDE
DEVELOPMENT
DAYTON, OH



UPCOMING SERIES EVENTS:

- Living Urban: What do you want?
- Finding Equity for your Project.
- Amenities: Let's be original.
- The Urban Incubator
- Pop ups to Permanent.

"BRINGING MOMENTUM BACK TO MAIN STREET" is a series of events that the Market Rate Housing initiative under the leadership of CityWide Development Corporation is spearheading. Our mission is to further conversations, share ideas and disseminate information and opportunities on the lifestyle advantages of living urban. The **2013 GEOSUMMIT** is the first in our series of events bringing creativity, opportunity and excitement to the Greater Downtown Dayton area.

