

Spring 2009, Our Nation Stimulus Year!

TO Local, State, and National Government Officials and Decision Makers
TO Community Activist & Leaders, and Business Administrators
TO Whomever Is Concerned About Energy & Environment

Subject:

Promoting Energy Conservation Activities,
Important For Security and Future Economy
of Our Community, Our State, Our Nation, and Our World

Let us all be wise and responsible! Please review and file this communication for future actions and utilizations. I have communicated my strong views on immediate potentials for substantial energy conservation to the President Obama's Team, also posted on Web:

http://www.kostic.niu.edu/energy/Energy_consumption_halved.htm

It is a very simple arithmetic: With existing technology and appropriate activities and investment (creating opportunities for many to work on national priorities) we can reduce energy consumption in HALF, which translates in proportional reduction of energy used and CO₂ environmental emission, thus substantially reducing energy imports and improving national security and our economy.

President Obama recently referred to "*superior insulated windows*" in Pittsburgh. We have even much more superior wall and roof panels made in Illinois. A small business, *ThermalShell Technologies* <www.ThermalShell.com> has a potential to contribute to substantial energy conservation by retrofitting existing buildings and in new constructions. They use advanced engineering and materials for "*Green Energy Efficient Buildings*" with new generation 8-in precast wall panels which are up to 4 times lighter and 4 times higher thermal insulation R-value than used in classical construction.

Reducing energy loss through buildings' envelopes (windows, walls & roofs) by half will reduce energy consumption and cost, and CO₂ emissions by half, and will require half-capacity of heating and air-conditioning equipment, resulting in additional savings. Reduced energy requirements will open-up additional opportunities to use renewable energy sources and innovative energy technologies to save energy in buildings and industry.

I plead and challenge all concerned to promote and support Illinois' businesses in contributing to the National and State's Stimulus projects. It is our public and professional duty and our responsibility.

Look forward to our "*greener*" and more prosperous economy and living.

Sincerely,

Prof. M. Kostic

M. Kostic, Ph.D, P.Eng., *Professor of Mechanical Engineering*
NORTHERN ILLINOIS UNIVERSITY, DeKalb, IL 60115-2854, USA
Web: **Google** <kostic> or www.kostic.niu.edu ; E-mail: kostic@niu.edu ;
Phone: **(815) 753-9975** or 753-9979; Fax: (815) 753-0416
Speaking Enquiry: <http://www.kostic.niu.edu/Speaking.htm>
Energy Pyramid: www.kostic.niu.edu/energy/Energy_Pyramid.htm