

## URI Energy Solutions Expo

### Master Energy Program Tour Notes:

I know that it was very difficult for many of you to hear my comments during the Expo Tour so Rachel has asked that I develop these notes from the tour for you all to share.

The basis of the tour was for you to see the products, practices and services utilized today to make our homes and businesses more energy efficient. If you recall from the classes and always keep this in mind that you want to choose only those that make sense for you, your application and location.

***Perform a life cycle cost analysis, ROI (return on investment) and NOI (net operating income) on those items that are the most practical, cost effective for you, your application and location.***

### Tour Highlights:

- **NGRID** – National Grid Electric and Natural Gas Utility energy conservation and demand side management programs, (grants, rebates and incentive programs). Demonstrating the kWh saving associated with CFL Compact Florescent Lamps vs. Incandescent Lamps and the benefits of programmable thermostats.
- **Anchor Insulation** – demonstrating the variety of insulation and moisture barrier products available for various applications and the R-values and the proper applications for the various insulation products,
- **Anderson & Pella Window and Door Display Booths** – which demonstrated the various frame construction concepts, wood, aluminum and vinyl materials along with the different types of glazing and U-values associated with double pain, triple pain and gas filled fenestration.
- **SIP – Process of Exterior Wall Construction**- utilizing metal structural members with preformed and in insulated panel construction.
- **Alternatives Energy Resources Booths**- we reviewed geothermal, solar PV, solar thermal and wind displays along with reverse cooling systems, and radiant HVAC.
- **Alternative fuels** – we looked at Newport Biodiesel and Mason Biodiesel the two local biodiesel manufacturers along with Guardian Fuel and T.H. Malloy distributors of biodiesel and Bioheat.
- We reviewed the **Hybrid vehicle display** and spoke at length about choosing the right vehicle for you, your needs, application, your budget and fuel availability.
- The tour concluded with the **ESCO's**, Energy Service Companies that can provide a complete turnkey program of energy conservation measures along with financing or lease purchase by leveraging your savings.

***“Our world is on a trend toward major changes in our socio-economic behavior on energy, it is an opportunity for our country to emerge as a leader in developing new technologies to support this change. The most effective way to bring these changes about is through education and outreach.”***

***R.S Cerio***