

City of
Summerside

Prince Edward Island, Canada

My*Power*Net

Linking ancient and advanced technologies

MyPowerNet

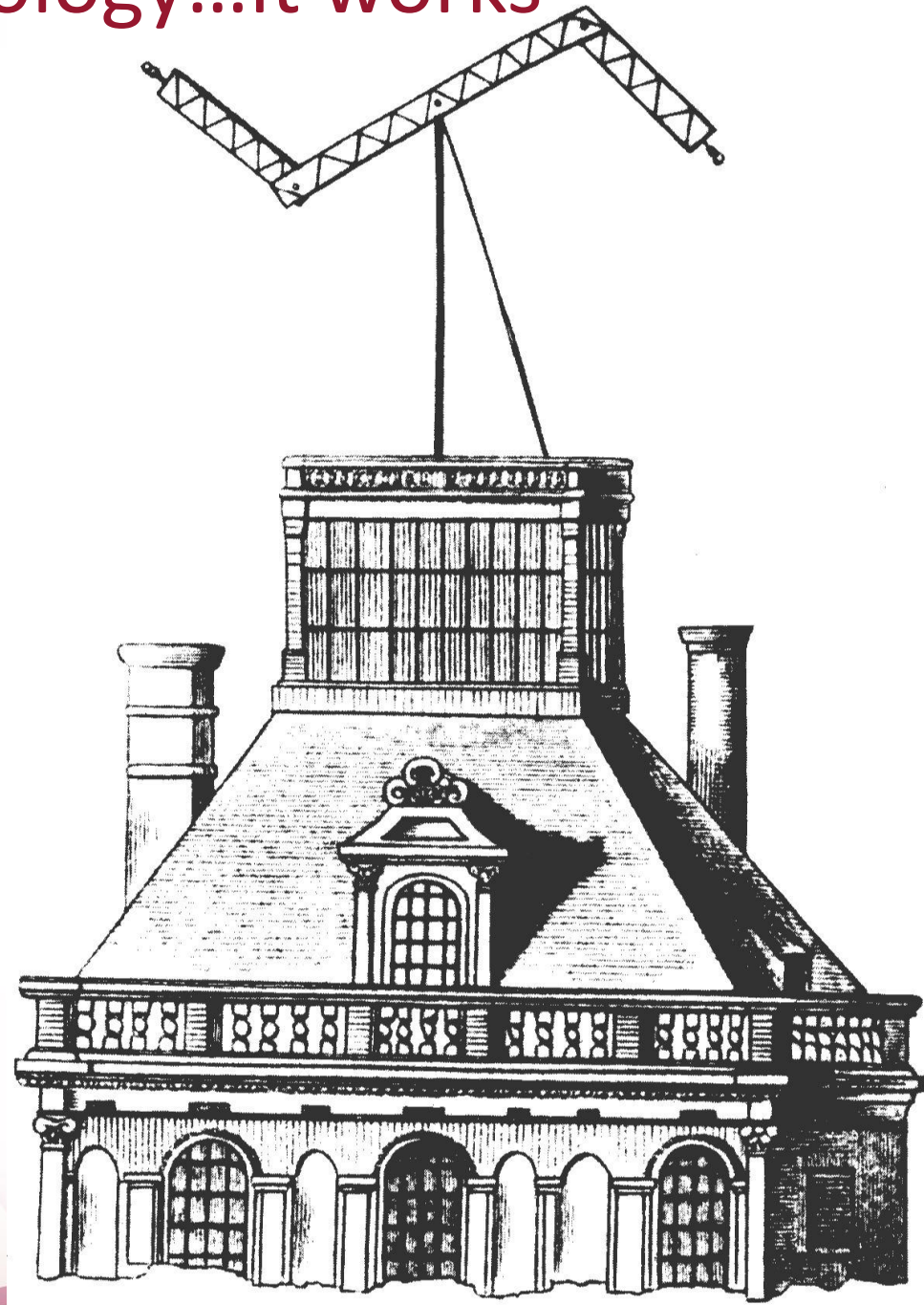
ancient technology...it works



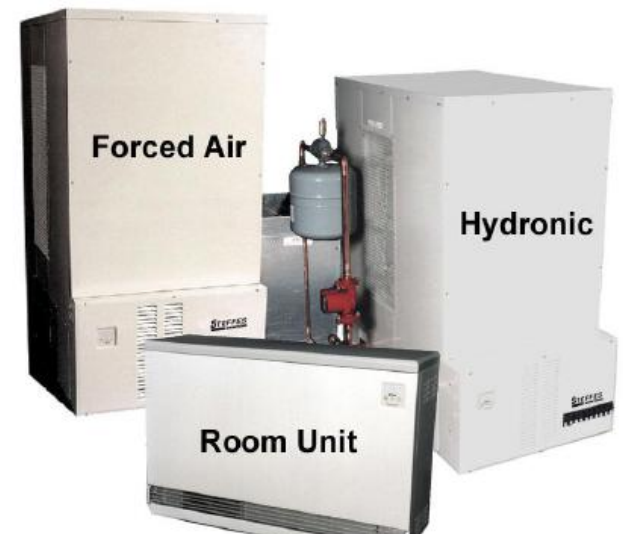
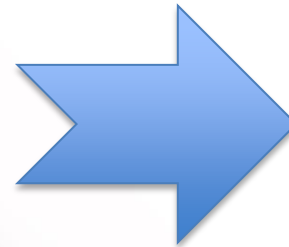
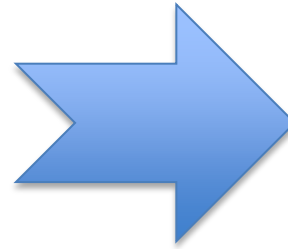
medieval technology...it works



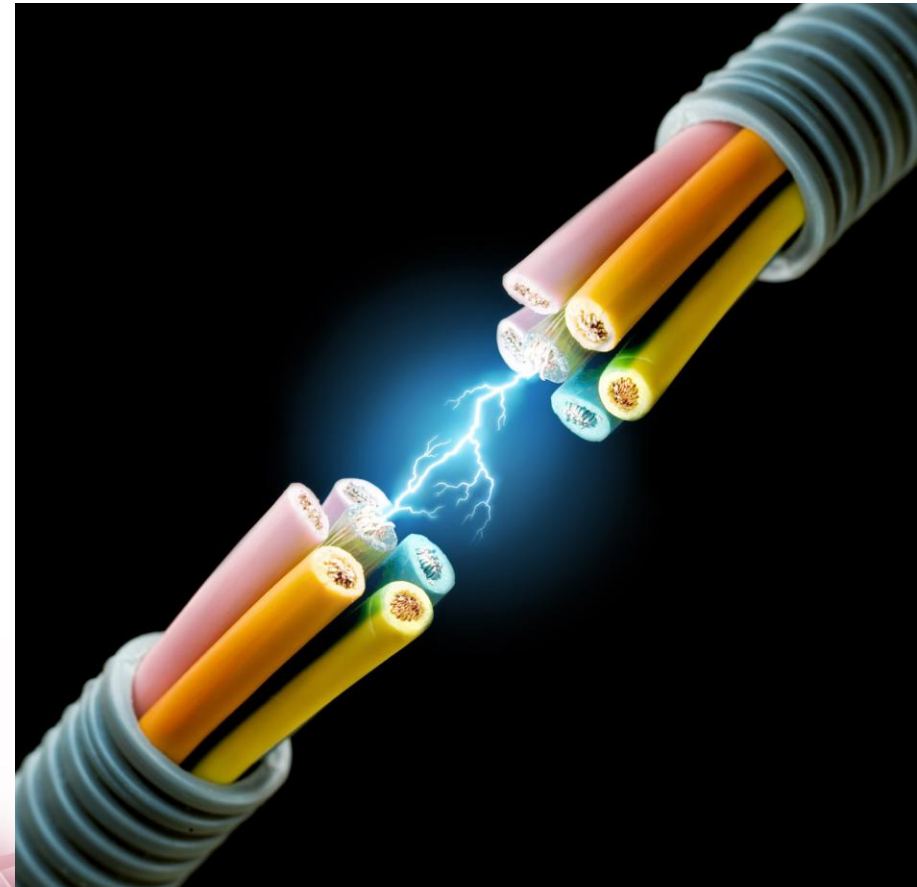
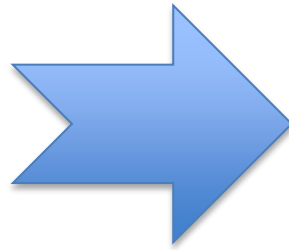
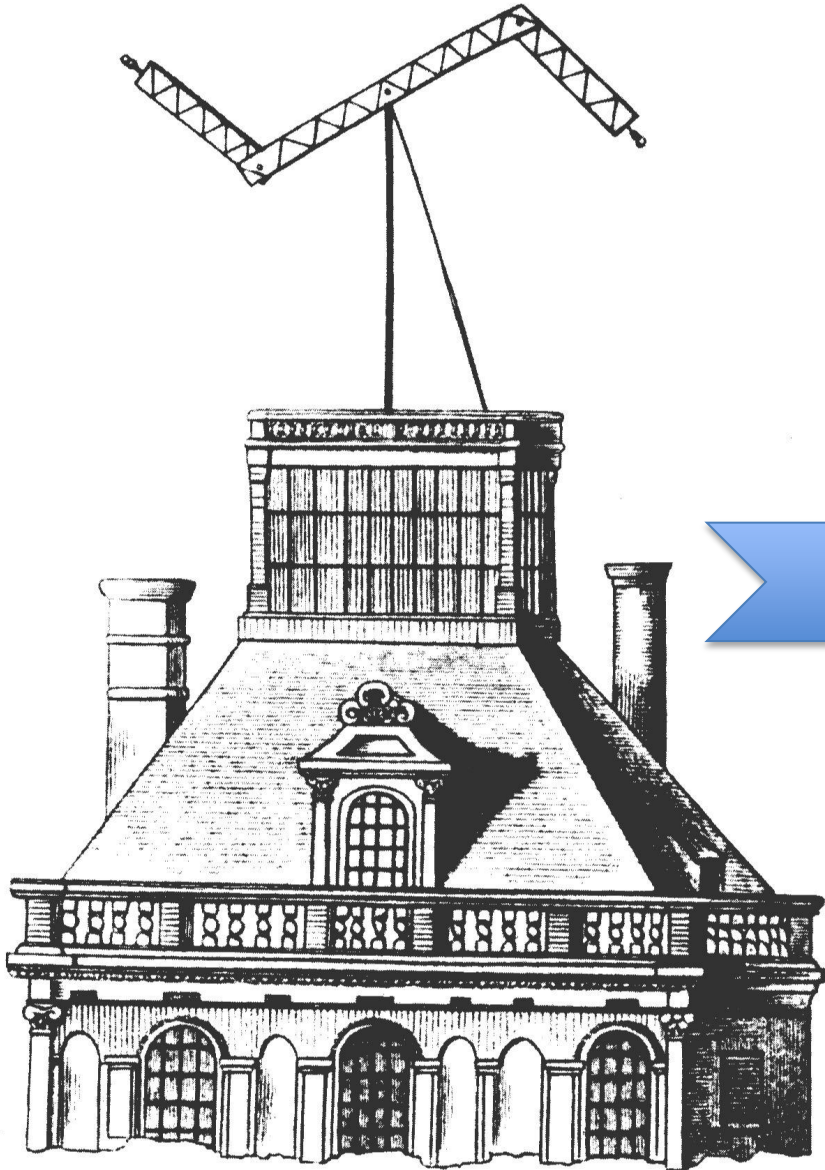
post-renaissance technology...it works



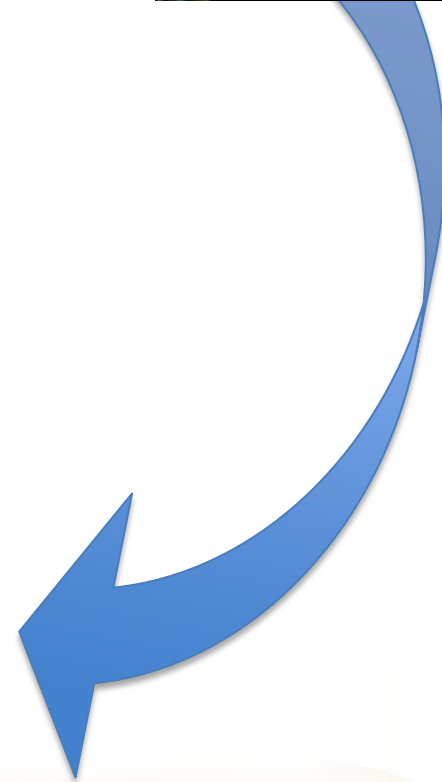
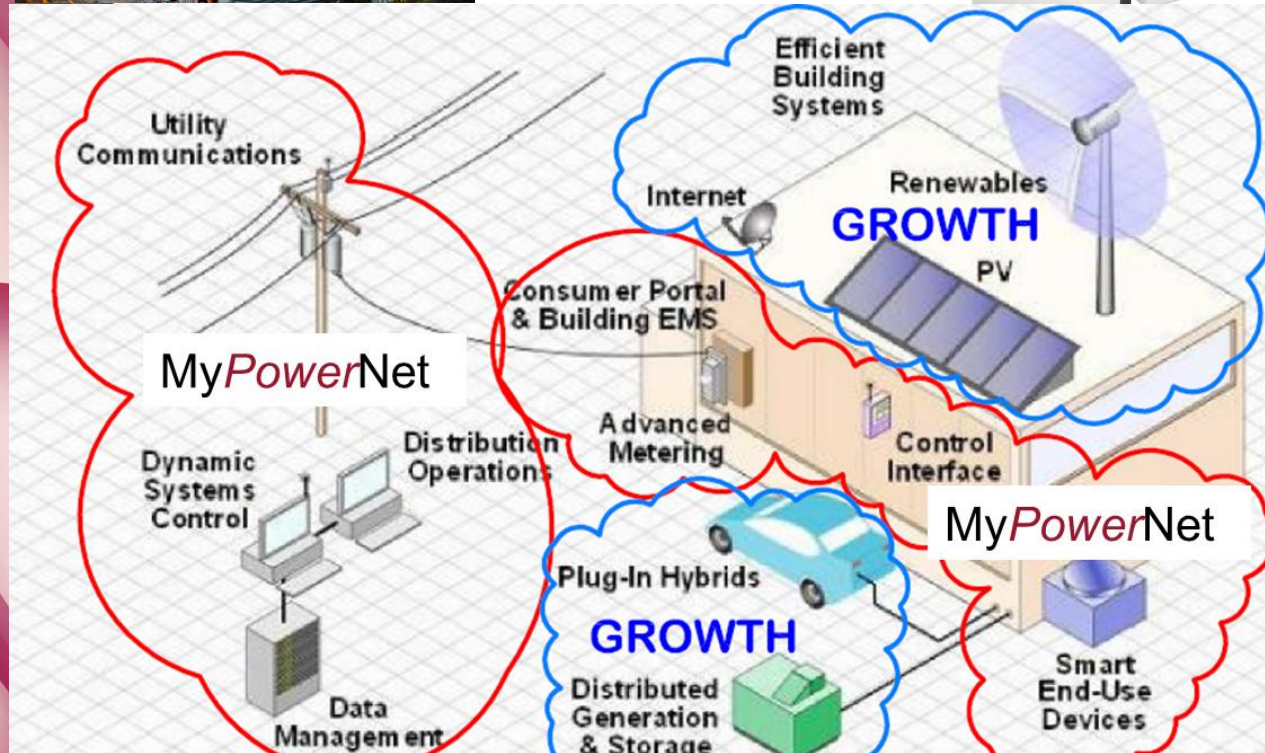
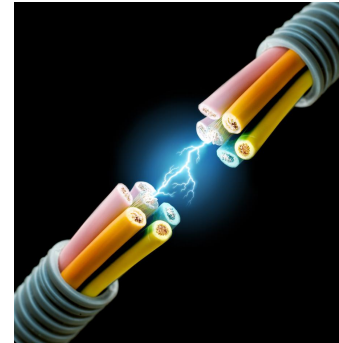
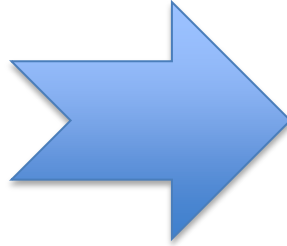
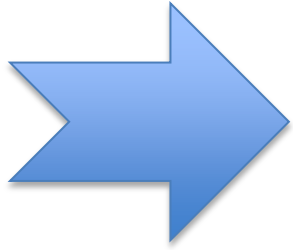
advanced analogs...



advanced analogs...digital



linking ancient and new...



PEI Energy Sources

Electricity on P.E.I. mainly generated from fossil fuels
(undersea cable from NB)

P.E.I has no hydro, no nuclear, but tons of wind



Summerside Electric Utility

- 7,000 residential customers
- Annual energy sales 130 Million kWh's
- Buy electricity
- Sell electricity
- Produce electricity



Local Electricity Sources

Wind-Powered Generation Supplies Summerside Electric with 60 Million kWh's of Power (48%)



- Wind Generation plant capacity of 21 MW's
- Providing 100% of the city's nightly needs
- Approximately 50% the city's daytime needs

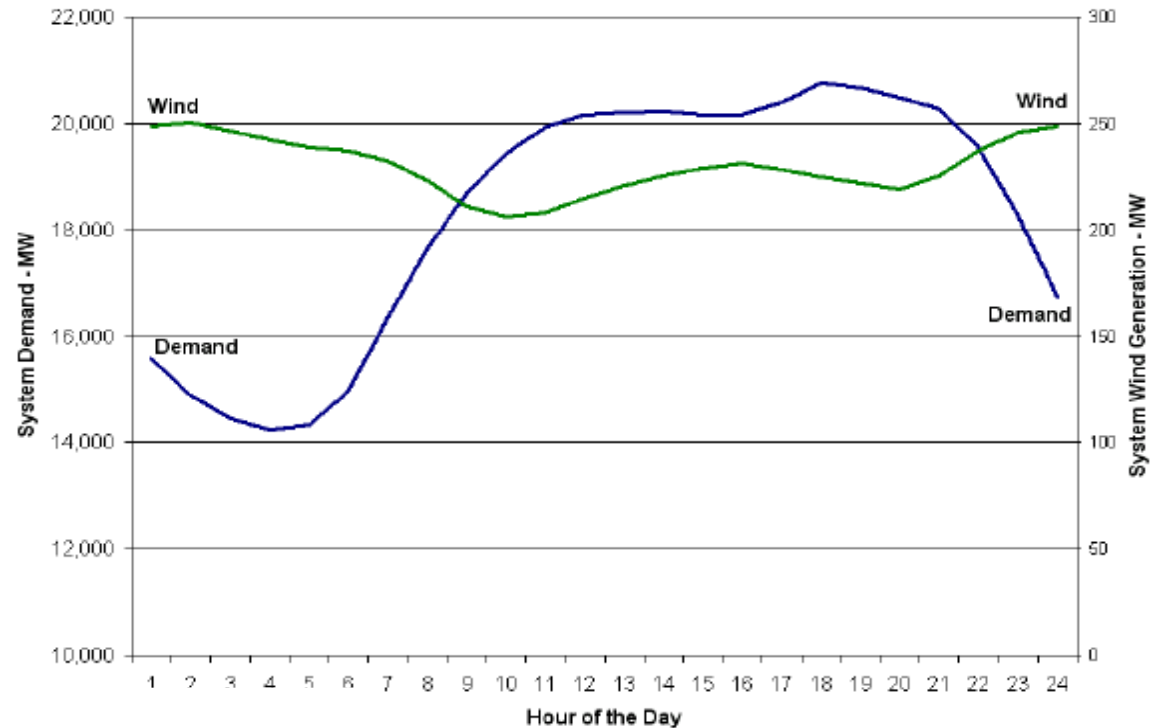
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Too Much Wind? Never

The Challenge: More Wind Energy during the Night; not as much Energy consumed at Night

- 8,500,000 kWh's excess exported at low price.



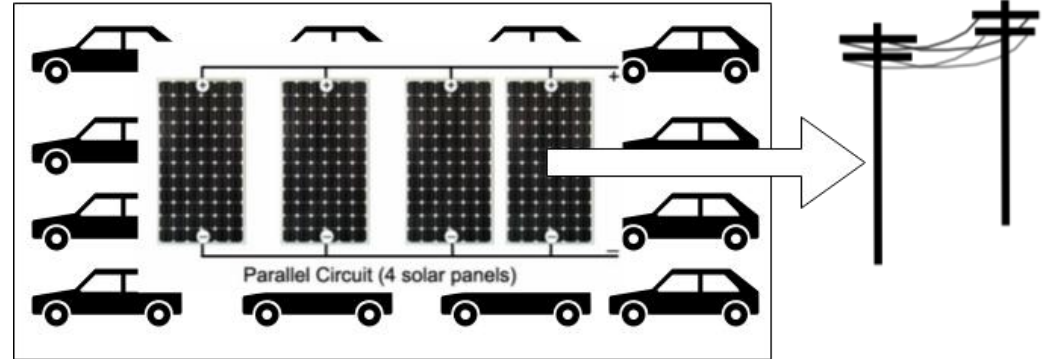
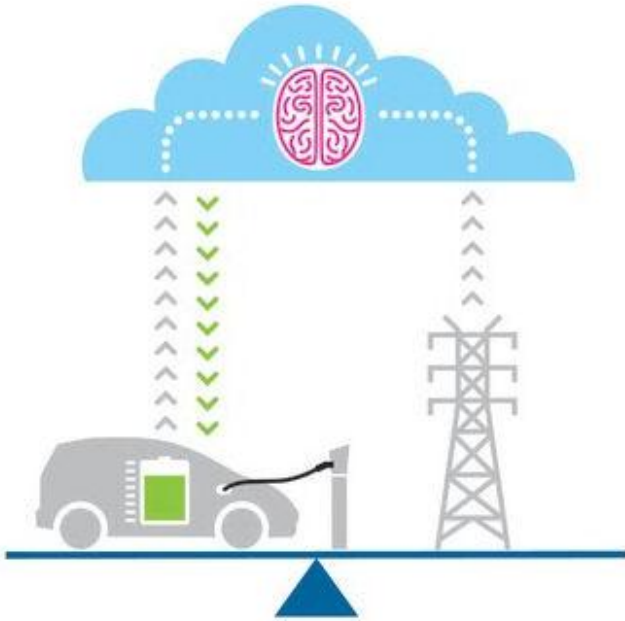
Consumer Program

Heat For Less Now!

- Energy at \$0.08/kWh instead of \$0.1241/kWh
- Guaranteed not to change for 5 years

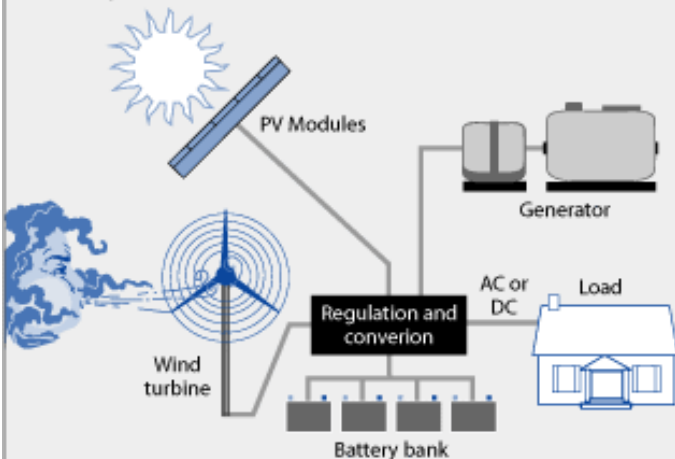


Future Proofing



Hybrid Power Systems

Combine multiple sources to deliver non-intermittent electric power



Repute (not ill)

- **Atlantic Business Magazine Customer Service Award (2012)**
- **Greater Summerside Chamber of Commerce, Business Excellence (2012)**
- **Federation of Canadian Municipalities (Energy Award, 2013)**
- **PEI Engineers Association (Environmental Excellence, 2014)**
- **Upcoming National award for Municipal Innovation (June, 2015)**

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