

U of M Solar Workshop

RETScreen Energy Modeling

What is RETScreen?

- A free energy modeling program developed by experts from Government, industry and academia for NRCAN, National Resources Canada
- RETScreen can help determine a load, then model how renewable energy sources and energy efficiency measure can offset energy, cost and emissions

Energy modeling programs

Popular programs used for solar thermal systems

- RETScreen –
- Polysun –
- T*Sol
- F-Chart

Why use energy modeling?

- Used for determining load
- Virtual system can be built and modified quickly
- Components can be swapped out for comparison of performance
- System size can be changed quickly to meet energy offset goal
- Monthly and annual performance can be determined
- Reports can be generated showing energy savings, dollars saved, pollution reduced and more

RETScreen

- *Free to download - www.retscreen.net*
- *Takes in to consideration;*
 - *Local weather data*
 - *Load*
 - *Collector and system performance*
- *Reports;*
 - *Annual output of proposed system*
 - *Solar fraction*
 - *Cost savings*
 - *Emission offset*
 - *And more*



RETScreen® International

www.retscreen.net

Clean Energy Project Analysis Software

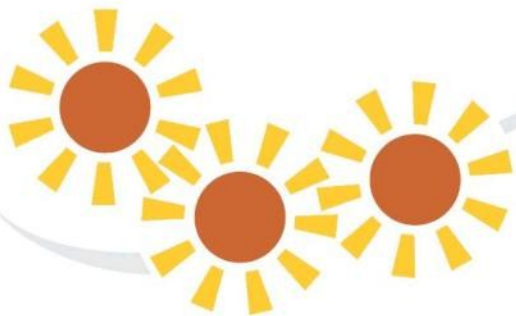
Questions?

THANK YOU

Kurt Koegel

Kurt@solarskies.com

320-762-1151



solarskies™

engaging the sun