



Technical Track: PV Storage and Implementation

- David Timmons, University of Massachusetts
 - Jeff Gilbert, Azimuth Solar

Moderator:
Jill Cliburn, Cliburn and Associates

1:30pm - 3:00pm
AiRE Ballroom

Speaker Bios

Dr. David Timmons

Associate Professor, University of Massachusetts Boston

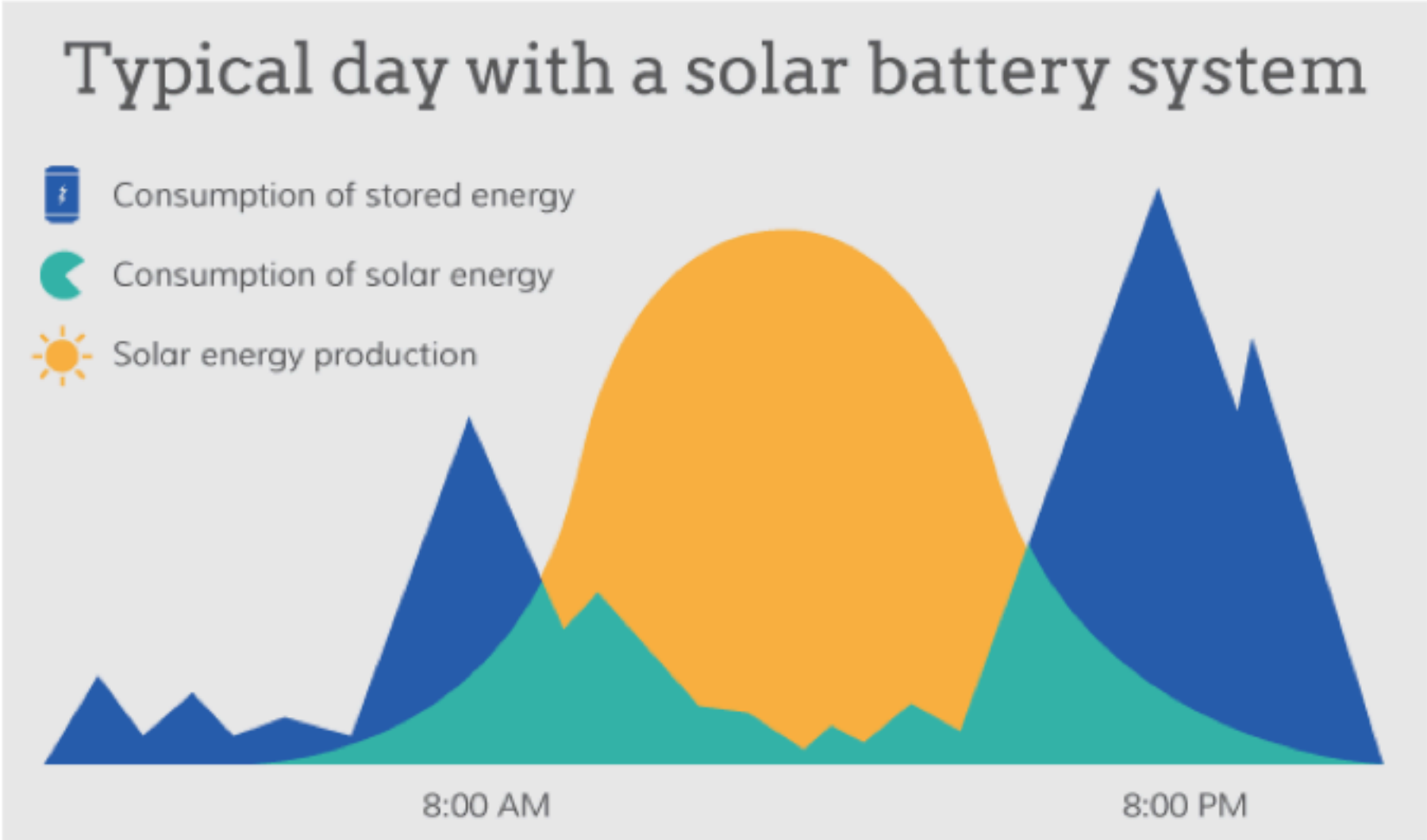
Dr. Timmons is an associate professor at the University of Massachusetts Boston, teaching environmental, resource, and ecological economics at the undergraduate and graduate levels. He studies the economics of renewable energy in high-penetration or fully renewable energy systems, using modeling to identify optimum renewable energy portfolios where energy supply always equals or exceeds demand, at the least possible cost.

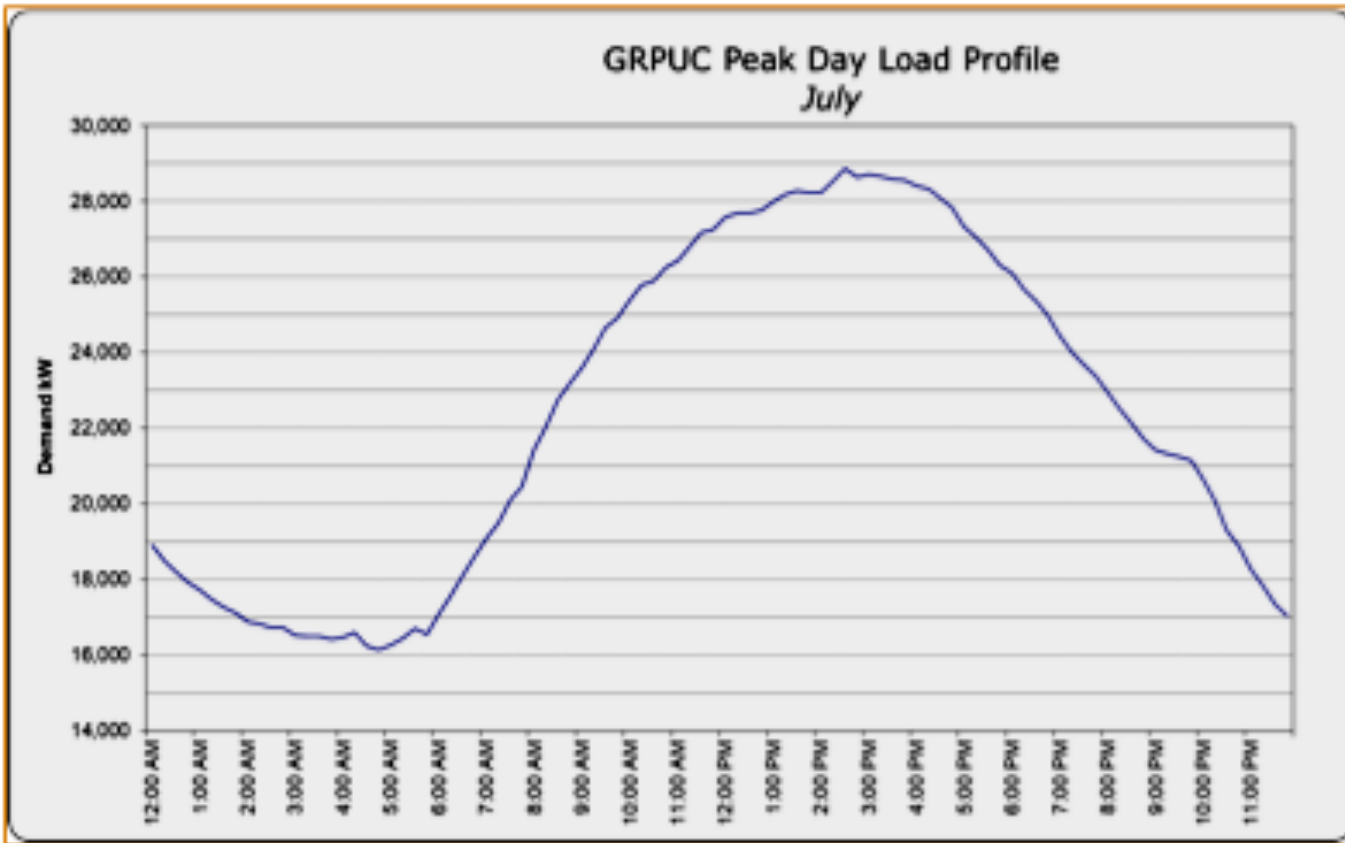
Jeff Gilbert

President, Azimuth Solar LLC

Jeff is President of Azimuth Solar LLC, a Maryland-based consulting and training services company. He is also President of PV Learning 360, an online solar training platform. Work in these new ventures is built on 24 years of experience in renewable energy design, installation, sales, troubleshooting inspections and business development. That includes his work as founder and leader of Chesapeake Solar, which was listed in 2008 on Inc. Magazine's 500 fastest growing small companies. Subsequently, the company was acquired by groSolar, and then again by Solar City. Jeff's has a technical foundation in mechanical engineering.

Cliburn: Solar Plus Storage and Load Flexibility





**Grand Rapids, MN Solar Plus Project
Currently under procurement
with Minnesota Power**



How to Help Solar-Plus Solutions Take Off

- Sort Out the Value Buckets: ISOs, Wholesale Suppliers, Local Utilities, Vendors, Customers
- Increase the use of state-of-the-art forecasting and integration tools
- Emerging values: Resilience, Resource Optimization, Flexibility
- Increase the uses of load flexibility—both technical and behavioral
- Renewable electrification
- Discussion!