

Fact Sheets

- Technology: Integrated Whole-Building Design
- Technology: Daylighting
- Technology: Glazing Selection
- Technology: Passive Ventilation
- Technology: Flat Plate Solar Water Heating Panels
- Technology: Passive Solar Design
- Technology: Shading and Sun Control

Presentations

Design Guidelines for Integrating Renewable Energy in Commercial Buildings

Loren Abraham

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- Introduction
- Part I: Renewable Energy Context
- Part II: Overview of Renewable Energy Design Process
- Part III: Overview of Renewable Energy Choices
- Part IV: Standard "Rules of Practice" & Design Guidelines
- Part V: Incentives & DI
- Part VI: Overview of Renewable Energy Tools & Dry Resources
- Part VII: Renewable Energy Case Studies
- Part VIII: Conclusions

Best Practices in Daylighting and Passive Systems for Small Commercial Buildings

Tom Brown

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- Part 1: Integrated Design, Passive Solar Resources
- Part 2: Passive Solar, Passive Ventilation, Tools
- Part 3: Daylighting Fundamentals, Studies, Strategies
- Part 4: Daylighting Strategies, Glazing, Resources
- Part 5: Daylighting Strategies, Shading, Case Studies

Designing Solar Hydronic Space and Hot Water Heating Systems for Single and Multi-family Residential Buildings

Bob Ramlow, Midwest Renewable Energy Association Co-founder, BOD member, Workshop instructor

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Joel Loveland, Director Seattle Integrated Design Lab and the Weidt Group, Minnetonka, MN Download Presentation:

- Zero Energy Design for Commercial Buildings in Minnesota

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Christopher LaForge, Great Northern Solar Download Presentation:

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Renewable Energy Systems for Commercial Buildings

Niels Wolter, MSB Energy Associates, Inc.

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