



Der Volksfreund Roman

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 48 pages. Original publisher: Golden, CO : National Renewable Energy Laboratory, 2008 OCLC Number: (OCoLC)319170117 Subject: Architecture and energy conservation -- Research. Excerpt: . . . Table 1. Category 1 - ZEH Energy Storage Systems Opportunity Need: Short-term thermal storage (4 - 6 hours) is needed to reduce afternoon peak electric demand. Diurnal storage is needed to use winter solar gains to meet nighttime heating loads and to shift summer daytime cooling loads to night ventilation cooling. Seasonal storage is needed to use excess summer solar thermal energy to offset winterheating loads. Overall Risks: Sensible energy storage materials are more expensive than lightweight construction materials. Phase change materials and thermochemical storage materials are expensive, difficult to contain, and may increase chemical exposure and smoke and fire hazards. Cost Performance Goal: TBD Priority 1: Modifications of Existing Priority 2: Advanced Systems (High Risk) Systems (Low to Medium Risk) Desiccant-based thermal storage for Building-integrated thermal storage (4 - 8 ton simultaneous increased energy density of heat hours) for homes with very high storage and cooling storage on single-home performance envelopes. Maximize use...



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