1. | Record Nr. | UNINA9910711380303321 |

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Titolo	Building Industry Reporting and Design for Sustainability (BIRDS) Low-Energy Residential database technical manual / / Joshua Kneifel; Priya Lavappa; Eric O Rear; Anne Landfield Greig; Sangwon Suh
Pubbl/distr/stampa	Gaithersburg, MD : , : U.S. Dept. of Commerce, National Institute of Standards and Technology, , 2016
Descrizione fisica	1 online resource (149 pages) : illustrations (color)
Collana	NIST technical note ; ; 1918
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Soggetti	Sustainable architecture Sustainable design (Buildings)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Contributed record: Metadata reviewed, not verified. Some fields updated by batch processes. May 2016. Title from PDF title page (viewed May 31, 2016).
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	Building stakeholders need practical metrics, data, and tools to support decisions related to sustainable building designs, technologies, standards, and codes. The Engineering Laboratory of the National Institute of Standards and Technology (NIST) has addressed this high priority national need by extending its metrics and tools for sustainable building products, known as Building for Environmental and Economic Sustainability (BEES), to whole-buildings. Wholebuilding sustainability metrics have been developed based on innovative extensions to life-cycle assessment (LCA) and life-cycle costing (LCC) approaches involving whole-building energy simulations. The measurement system evaluates the sustainability of both the materials and the energy used by a building over time. It assesses the carbon footprint of buildings as

well as 11 other environmental performance metrics, and integrates economic performance metrics to yield science-based measures of the business case for investment choices in high-performance green buildings.