

Metrics and Tools for Sustainable Buildings Publications

Commercial Buildings:

Documentation

Building Industry Reporting and Design for Sustainability (BIRDS) Technical Manual and User Guide

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=914484

Prototype Commercial Buildings for Energy and Sustainability Assessment: Design Specification, Life-Cycle Costing and Carbon Assessment

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=910287

Prototype Commercial Buildings for Energy and Sustainability Assessment: Whole Building Energy Simulation Design

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=909690

Analysis

Impact of More Precise Electricity Price Data on Estimated Energy Costs from Energy Standard Adoption for Buildings

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=917227

Impact of More Precise Construction Data on Estimated Savings from Energy Standard Adoption for Commercial Buildings

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=917189

Life-cycle Cost Implications of More Stringent State Energy Codes

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=915753

Environmental Performance of Green Building Code and Certification Systems

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=914778

Benefits and Costs of Energy Standard Adoption in New Commercial Buildings: State-by-State Summaries

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=914711

Benefits and Costs of Energy Standard Adoption in New Commercial Buildings: National Summary

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=913620

Benefits and Costs of Energy Standard Adoption in New Commercial Buildings: Midwest Census Region

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=912979

Benefits and Costs of Energy Standard Adoption in New Commercial Buildings: South Census Region

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=912980

Benefits and Costs of Energy Standard Adoption in New Commercial Buildings: West Census Region

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=913157

Benefits and Costs of Energy Standard Adoption in New Commercial Buildings: Northeast Census Region

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=912978

Benefits and Costs of Energy Standard Adoption in New Commercial Buildings

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=912419

Beyond the Code: Energy, Carbon, and Cost Savings using Conventional Technologies

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=906725

Life-Cycle Carbon and Cost Analysis of Energy Efficiency Measures in New Commercial Buildings

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=903351

Residential Buildings:

Documentation

Building Industry Reporting and Design for Sustainability (BIRDS) New Residential Database Technical Manual

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=918372

Building Industry Reporting and Design for Sustainability (BIRDS) Tutorial for New Residential Database

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=918412

Prototype Residential Building Designs for Energy and Sustainability Assessment

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=912182

Analysis

Benefits and Costs of Energy Standard Adoption in New Residential Buildings: National Summary

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=918547

Determining the Optimal Spatial Location of Shade Trees for Energy Savings: A Case Study Approach

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=909762

Low-Energy Residential Buildings:

Documentation

Simulated versus Measured Energy Performance of the NIST Net Zero Energy Residential Test Facility Design

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=917790

Annual Whole Building Energy Simulation of the NIST Net Zero Energy Residential Test Facility Design

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=912187

Analysis

Robustness of Simulated Energy Performance Predictions across Levels of Energy Efficiency

(Upcoming submission to *Journal of Building Performance Simulation*)

Predicting Energy Performance of a Net-Zero Energy Building: A Statistical Approach

(Currently under review at *Renewable and Sustainable Energy Reviews*)

Comparing the Energy and Economic Performance of the NIST Net-Zero Energy Residential Test Facility Design across the Mixed-Humid Climate Zone

(Forthcoming NIST SP Report)

An Assessment of Typical Weather Year Data Impacts vs. Multi-year Weather Data on Net-Zero Energy Building Simulations

(Forthcoming NIST SP Report)

Net-Zero and Beyond! Design and Performance of NIST's Net-Zero Energy Residential Test Facility

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=916099

Sustainability Performance of the NIST Net Zero Energy Residential Test Facility Relative to a Maryland Code Compliant Design

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=918140

Energy Performance Sensitivity of a Net-Zero Energy Home to Design and Use Specifications

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=916154

Life-Cycle Cost Comparison of the NIST Net Zero Energy Residential Test Facility to a Maryland Code-Compliant Design

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=915844

Energy Performance of the NIST Net Zero Energy Residential Test Facility relative to a Maryland Code-Compliant Design

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=914536

Link to All NZERTF-Related Publications

<http://www.nist.gov/el/nzertf/publications.cfm>

Other

Energy and Economic Implications of Solar Photovoltaic Performance Degradation

(Currently under review at *Renewable Energy*)

Measurement Science for Sustainable Construction and Manufacturing: A NIST Perspective

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=916459

Energy Price Indices and Discount Factors for Life-Cycle Cost Analysis – 2015 Annual Supplement to NIST Handbook 135

http://www.nist.gov/manuscript-publication-search.cfm?pub_id=918685