

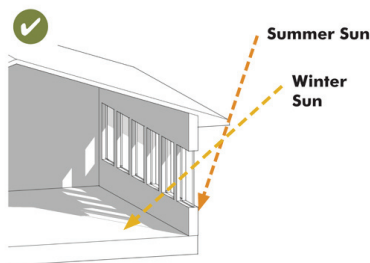
URBAN DESIGN & PLANNING

BOISE, IDAHO

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The use of compatible new awnings is encouraged as they are both traditional building elements and greatly enhance the energy efficiency of a home. An operable awning, as seen here, regulates internal temperatures throughout the year by providing shade in the summer while allowing solar access in the winter.



Sustainability Design Guidelines

The City of Boise, situated on the Boise River, is the most populous city in Idaho. The city includes a traditional downtown, commercial corridors, an industrial area and established residential neighborhoods. The City of Boise developed Historic Design Guidelines for its residential historic districts in 2004 and most recently revised them in 2006. Since then, issues related to sustainability arose. Winter & Company created an update to the guidelines to address sustainability in the residential historic districts, and also to make appropriate sustainability updates to the existing guidelines.

The new guidelines recognize the inherent connection that preservation has with resource conservation. As investments are made in the city's residential historic districts it is important they maintain and enhance the districts' distinct identities as well as support economic viability and community sustainability initiatives. The update provides clear guidance to help property owners plan for improvements and to assist the City in making informed decisions about the appropriateness of sustainability projects. A wide range of sustainable development topics are addressed at the building, site and neighborhood scales. The guidelines also provide criteria for reviewing technologies which do not yet exist, focused on minimally invasive strategies for their use and maintenance of the historic building's key features.



Diagram illustrating the three basic categories of sustainability that preserving historic places promotes.



Winter & Company

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RESIDENTIAL BUILDING ENERGY EFFICIENCY DIAGRAM

This diagram summarizes the strategy and principal direction in the guidelines for a rehabilitation project for energy efficiency on a residential building. These measures enhance energy efficiency while retaining the integrity of the historic structure.

Chimney

- Install draft stopper
- See page 38

Attic

- Insulate internally
- See page 38

Roof Material

- Retain & repair
- See page 59

Solar Panels

- Set back from primary facade
- See page 66

Doors

- Retain & repair original or early doors
- Weatherstrip
- See page 39

Shutters, Awnings & Porches

- Restore porches and awnings
- See page 62

Windows

- Repair & retain original or early windows
- Retain original glass
- Enhance thermal & acoustic efficiency with storm windows (preferably interior)
- Weatherstrip
- See page 39

This diagram summarizes a general strategy for energy conservation on a traditional residential building. These measures can enhance energy efficiency while retaining the integrity of the historic structure.

SERVICES:

- » Sustainability Design Guidelines
- » Public Workshops
- » Analysis of Design Context
- » Preservation Design Guidelines

CLIENT:

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DATE:

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The use of rain barrels and other such rain water collections systems can be a key component of a system to maximize water efficiency in a landscape.