# Project Profile

**Schlitz Audubon Nature Center**  
1111 East Brown Deer Road, Milwaukee, Wisconsin

<table>
<thead>
<tr>
<th><strong>Owner</strong></th>
<th>Schlitz Audubon Nature Center</th>
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</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>30,000 sf building on 190 acres along the shores of Lake Michigan</td>
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<tr>
<td><strong>Construction Completed</strong></td>
<td>April 2003</td>
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<tr>
<td><strong>Design Build</strong></td>
<td>The Kubala Washatko Architects, Inc.</td>
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<tr>
<td><strong>Contractor</strong></td>
<td>Jansen Group</td>
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</tbody>
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## Project Details

### Use of Available Energy Sources
- Building orientation uses daylighting for work spaces reducing energy needed for lighting
- Building mass stores and releases energy, mitigating temperature swings
- Operable windows facilitate natural ventilation
- Geoexchange heat pumps use constant earth temperature to provide both heating and cooling, minimizing dependence on fossil fuels

### Choice of Building Site
- Building location uses a somewhat deteriorated portion of the site, yet provides open space for solar "window"
- Building site connects to existing trails and provides for creation of adjacent "trail heads"

### Construction
- Thicker wall construction allows greater insulation values
- Exposed concrete floor is the finished floor eliminating the use of additional material
- Overhangs help to control sunlight and reduce summer heat gain
- Site grading at south side of building allows use of windows at basement level for ventilation and light

### Building Mechanical Systems Employed
- Geoexchange heat pumps for heating and cooling
- Natural and heat recovery ventilation
- Low-flow, low water usage plumbing fixtures
- Waterless urinals
- Photovoltaic generation of electricity
- "Cool daylighting" to reduce electric lighting and associated heat loads

### Construction Phase
- Completed most environmentally destructive parts of construction during winter
- Minimized impact of equipment and deliveries on site
- Contained dust and runoff to minimize effect on site
- Employed construction waste recycling program with help from Wastecap Wisconsin
- Encouraged contractors to take home material cutoffs

### Materials & Indoor Environmental Quality
- Use of locally available materials to reduce impact of transportation
- Site harvested lumber for timber frame
- Site harvested lumber for exterior decking
- Logs donated from Aldo Leopold family use as porch columns
- Use of recycled content materials to reduce dependence on virgin resources
- Use of durable materials
- Low VOC finishes
- Two week building 'flushout' before occupancy