



Iowa Association of Municipal Utilities Complex

Ankeny, IA

Location: 1735 NE 70th Avenue, Ankeny

Design: RDG Design and Planning

Type of Construction: New

Construction Cost: \$1,450,000

Square Footage: 12,500

Cost per Square Foot: \$116

Project Website: www.iamu.org

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Project Description: IAMU's Training and Office Complex serves the association's members, associates and affiliates with a state-of-the-art facility. The site includes a ten-acre training field, 11 acres of native Iowa prairie and an office building with numerous built-in energy saving features. The site serves as an example of both design efficiency and a showcase of natural resources. The IAMU facility has won recognition as one of the top 10 examples of sustainable design in the country and it was featured among 30 buildings in a sustainable design conference in Barcelona, Spain.

- Sustainable Features:**
- Site includes a constructed wetland as part of its wastewater treatment system
 - Wastewater treatment system saves energy by not using pumps
 - Erosion control measures include erosion control mats, silt fences, and composted yard waste
 - Native tall-grass prairie was established in an adjacent area before construction began and now includes 11 acres of



- reconstructed prairie with over 125 native species
- Construction settlement pond was used during construction to reduce sediment runoff
- Water-retaining swales reduce runoff into the marsh
- Outdoor lighting uses widely spaced 75 watt lamps and fixtures have dual-stage transformers that cut light output in half overnight
- Building uses 18% of the energy of an energy code compliant building
- R-22 sprayed foam insulation and R-30 rigid foam ceiling insulation
- Wood framed, triple glaze windows positioned to maximize daylight and minimize excessive heat gain
- Dimmable T-8 photo-cell tuned overhead fluorescent lighting with occupancy controlled task lighting
- Geothermal HVAC system with energy recovery ventilation
- Energy Star appliances
- 1 kW vertical axis wind turbine is scheduled to be constructed in July or August 2008
- A section of a training field will be lit by LED street lights powered by batteries charged by photo voltaic arrays
- Building materials contain low embedded energy, including exterior panels made from cement and wood waste from Portland
- Roof is made of durable, low-maintenance, energy-efficient standing seam steel
- Low VOC paints and sealants provide high air quality

