

MINNESOTA STADIUM SUSTAINABILITY GUIDELINES

8/31/12

Prepared by City of Minneapolis staff & elected officials for the Design, Stakeholder Experience and Planning subcommittees of the Vikings Stadium Implementation Team

SUMMARY

Design and construct a world-class stadium and community asset that produces the lowest total cost of ownership to the City while serving as a model for energy efficiency, renewable energy and incorporation of healthy, sustainable design features that meet or exceed the City's sustainability goals.

The design team should maximize energy efficiency and renewable energy on the stadium site, with an analysis of payback periods for each item, and design features as a group. As with other state-funded building projects, the stadium and surrounding site should meet Minnesota B3 Sustainable Building Guidelines, including the SB2030 Energy Standard and strive for other certification, such as LEED ND and LEED O & M.

The stadium and site should meet or exceed the City's goals for stormwater management, waste reduction and recycling and the inclusion and promotion of healthy and local food options.

The stadium and site should be designed to promote access and use year-round and function as a community asset. Access to the stadium and the site should be safe and convenient for all modes of travel – pedestrians, cyclists, transit users and drivers.

DETAILED GUIDELINES

DESIGN

1. Given the City of Minneapolis' commitment to the operating and maintenance costs, design a stadium that meets the City, State, community, and team needs while also producing the lowest total cost of ownership. This includes ongoing energy, maintenance and materials costs.
2. Meet B3 Minnesota Sustainable Building Guidelines, including the SB 2030 Energy Standard as required of other state-financed projects. Use the Xcel Enhanced Energy Design Assistance program. Document how many years the investment in energy efficiency and renewable energy will take to payback. Source as many energy efficiency products from Minnesota sources as possible.
3. Provide a minimum of 20%, up to the amount that can feasibly be provided based on a 30 year payback, of the facilities on-site energy use through on-site renewable energy production. Document how many years the investment renewable energy provided will take to payback. Document how many years the investment in renewable energy provided will take to payback using systems manufactured in Minnesota.
4. Pursue LEED ND certification to the highest level possible (minimum of LEED Silver) for the stadium and surrounding site development.

5. Evaluate the possibility of a district heat and power system for heating and cooling all the facilities part of the stadium complex during the Energy Design Assistance (EDA) process.
6. Achieve compliance with the City's Chapter 54 ordinance dealing with stormwater, removing at least 70% of Total Suspended Solids (TSS) from the site and implement other stormwater best management practices on site.
7. Coordinate with Minneapolis Department of Health and their proposed health guidelines for the design and operation of the stadium and surrounding site.
8. Design the stadium and surrounding site to encourage a wide choice of transportation modes – transit, bike, pedestrian and car – for game-day and non-game day visitors.

OPERATIONS

1. On an ongoing basis, use the B3 Benchmarking system to report the stadium's energy performance to the City and State.
2. Pursue LEED Operations and Maintenance (O&M) certification to the highest level possible.
3. Implement a facility and site wide coordinated waste reduction and recycling program that includes reduced packaging, convenient recycling and organics collection.
4. Allow and encourage the use of local, fresh foods through the vendor choice, sourcing of products and the design of food preparation facilities.