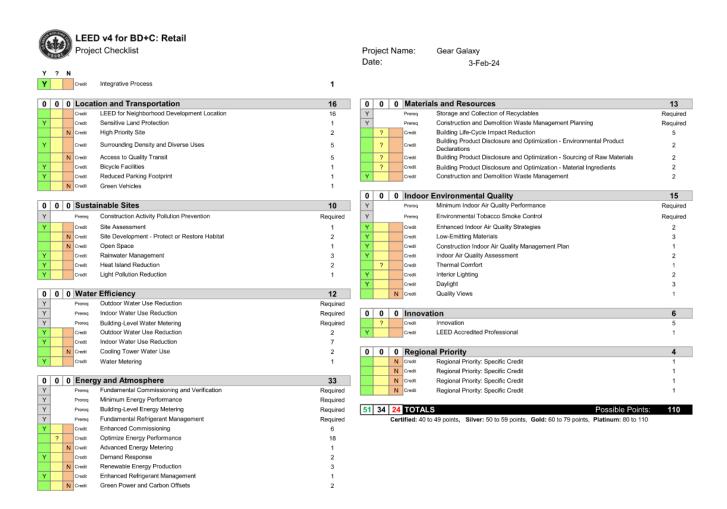
# Sustainability

### **LEED Project Checklist**



#### **Integrative Process**

Beginning in the pre construction phase and continuing through the design phases, project owner, designers, and construction managers from Houser Construction will meet on a regular basis (i.e. weekly) to discuss the impacts of various systems on the project. Beginning with energy related systems, the team will be able to identify the owners wants and needs while also providing solutions on how to achieve an energy efficient product. Next the team will take on the water related systems. All findings will be documented and sent to team leaders as a running list of "Meeting Minutes" so that the team may go back and see what has already been discussed and agreed to.

#### **Location and Transportation**

Sensitive Land Protection (1 point) - This site will not be developed on any environmentally sensitive lands.

Surrounding Density (5 points) - There will be over 10 services located within  $\frac{1}{2}$  mile of the main entrance to the job site qualifying this project for this credit.

Bicycle Facilities (1 point) - The project is a bike shop and there are plenty of bicycle facilities in the project design for *short term and long term* storage to meet this criteria.

Reduced Parking Footprint (1 point) - This project will not exceed the required parking per local code to reduce the overall footprint.

#### Sustainable Site

Construction Activity Pollution Prevention (prerequisite) - Houser Construction will install silt fencing and use gutter buddies to prevent construction pollution from leaving the job site. Also, in the last 15 minutes of every working day, the construction management team will walk the jobsite to ensure that all pollution prevention systems are still in place to guarantee compliance.

Site Assessment (1 Point) - Houser Construction will hire a surveying cre to conduct a site assessment.

Rainwater Management (3 points) - The design of the site will capture 95% of the rainwater, satisfying this credit and local codes.

Heat Island Reduction (2 points) - The project will provide shade over paved areas with vegetation and vegetation structures to meet compliance.

Light Pollution Reduction (1 Point) - The project will meet the requirements for uplight and light trespass requirements using the backlight - uplight - glare (BUG) method.

# Water Efficiency

To reduce water consumption, Houser Construction will install low-flow plumbing fixtures, minimize or use water efficient landscaping methods, and use rainwater harvesting systems for irrigation (if any is required). This will ensure that this project will achieve a significant water usage reduction when compared to conventional buildings. This will promote water conservation and the buildings impact on local water utilities. (10 Points) see scorecard above.

# **Energy and Atmosphere**

Houser Construction will utilize the enhanced commissioning approach when installing energy efficient equipment in the building. The construction management team will work closely with the commissioning agent that will act as an owner's representative and have no stake in project cost or schedule, making their findings unbiased and informed. Along with this, Houser Construction will install energy efficient HVAC systems and advanced lighting controls to meet the criteria for this section. (9 points) see scorecard above.

## **Materials and Resources**

Houser Construction is committed to using environmentally friendly materials throughout the project, but first our construction management team will identify if local suppliers can provide such materials. This is a section of the scorecard where we have the potential to pick up more points based on suppliers inventory's. What we would like to do is source materials with high-recycled content, find responsibly harvested wood components, and utilize low emitting materials to improve indoor air quality. We want to also prioritize local suppliers to reduce transportation emissions. The project will also use waste streams to divert recyclable waste from landfills. (2 points with potential for more) see scorecard above.

# **Indoor Environmental Quality**

Houser Construction will implement strategies to enhance indoor air quality. This includes better filtration systems, access to fresh air from outdoors, enhanced ventilation systems, and the use of low emitting materials. Also there will be no smoking inside or in the immediate proximity of the building, designated smoking area will be provided. We will also design spaces to maximize daylight that enters the building. (13 points) see scorecard above.

#### **LEED Accredited Professional**

Houser Construction will provide a certified LEED AP to this project that will oversee all efforts and implementation of LEED credits to project.

# **LEED Responsibility Matrix**