

My primary goal in designing this project has been to create a nightclub that is both desirable to be in while still built through environmentally sustainable practices. Inspired by local eating movements, I began to look into the cost (in carbon emissions and fossil fuel usage) of shipping goods like furniture, steel, and cement around the world and discovered how little environmental damage is reflected in the final price of our products. To minimize the carbon footprint of my club I decided to choose as many products as I could that had a low environmental impact and that came from inside and surrounding the state of Oregon. Common varieties of wood grown in the sustainably managed forests of Oregon were utilized for the floors, benches, tables, chairs and many other details in the club. The steel used to frame the building is 100% recycled, reclaimed from old cars, I-beams, and other metal scraps in Northern California. Furniture and fixtures were purchased from as many local producers as possible. Natural light is utilized during the day for the restaurant while at other times, the club and restaurant run off very energy efficient LED and fluorescent lighting systems. Water is collected from the roof, bathroom sinks, and the laundry to be filtered and stored for later reuse in non-potable water systems, like to flush toilets. Light is also collected on the roof and converted into electrical energy, reducing the amount of electricity utilized by the nightclub from non-renewable fossil fuel sources. Overall my design considers the immediate and long-term environmental impact of being in business and attempts to lessen the impact through smart design.