

Executive Summary:

This thesis report has been based around the retail market and its involvement in sustainable design and construction. In particular you will find building information and analyses applying to the Bed Bath & Beyond / Christmas Tree Shops shopping center in Paramus, New Jersey. The depth contents include case studies of retail projects and companies who have made unique and prominent efforts in sustainability and application of LEED certification to the Bed Bath & Beyond / Christmas Tree Shops shopping center. This is designed to show what can be done to achieve a greater level of sustainability as well as what must be done to receive LEED accreditation. Furthermore, specific re-design examples will be included to demonstrate methods of reducing energy and resource use, and therefore life-cycle costs. Techniques to alter current buildings systems and the potential benefits are systematically displayed in each of the breadth topics and the results will be summarized.