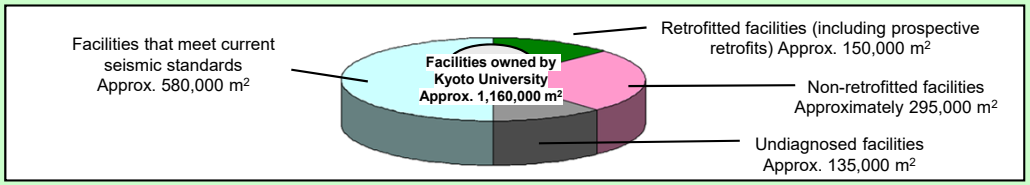
Summary of Kyoto University Seismic Retrofitting Promotion Policy

Policy

Kyoto University aims to improve its facilities and protect its assets through the immediate seismic retrofitting of its buildings. In doing so, the university will construct and expand a safe and secure environment that saves lives and secures the functions needed for business continuity (education, research, medical care, etc.) at Kyoto University in the event of an earthquake, starting with facilities that are considered to be at extremely high risk of collapse or major damage.

Current Situation

Approximately 295,000m² of the university's facilities need to be seismically retrofitted against earthquakes, and urgent measures are needed to ensure a safe and secure educational environment. In addition, approximately 135,000m² of buildings have not had a seismic diagnosis, which is scheduled to finish by the end of 2006. (As of March 2006)



National Policy on Earthquake Resistance

Large-scale earthquakes have been frequent in recent years and include the 2004 Chuetsu earthquake and the 2005 Fukuoka earthquake.
Earthquakes can occur anywhere and at anytime.

Impending Tokai, Tonankai, and Nankai earthquakes as well as the Tokyo Inland Earthquake, all of which could occur at any time.

Earthquake Disaster Reduction Strategy proposed by the Central Disaster Management Council

Halving the expected number of deaths and injuries as a result of the Tokai, Tonankai, Nankai, and Tokyo Inland Earthquakes within the next 10 years

Recommendations of the Promoting Council for Seismic Disaster Prevention

Housing and specified buildings
Retrofit target: approx. 75% → 90%

Action Plan

1. By the end of 2006, we will complete seismic diagnosis of any remaining buildings (excluding warehouses, etc., not used on a daily basis).
2. In light of the unique characteristics of university facilities, we will undertake maintenance that prioritizes the safety of lives as outlined in the Second Five-Year Program for Emergent Renovation and Building of Facilities of National Universities, etc. (2006–2010).
3. By FY2015, we will aim to complete a seismic retrofit that ensures business continuity.
4. In the long term, we will continue to improve the seismic performance of all facilities at Kyoto University to avoid sustaining damage in the Tonankai and Nankai earthquakes, which are all but certain to occur in the first half of the 21st century.
5. We will rank facilities based on the results of a comprehensive seismic diagnosis and recommend the retrofitting of facilities in order of urgency.

Objectives

Kyoto University will promote the earliest possible realization of a safe and secure education, research, and medical environment (a seismic index [Is] of 0.7 or higher and a CT/SD [Quality factor] of 0.3 [1.0] or higher) and systematically drive environmental improvements with the aim of completing seismic retrofitting on university buildings.