

TMG Seismic Retrofit Promotion
Plan
(Formulated in March, 2007)
(Revised in March2008)
Purpose and Mission

Halve the expected casualties from an earthquake by promoting seismic retrofit of houses and buildings

Provides guidelines for municipalities in developing their seismic retrofit promotion plans.

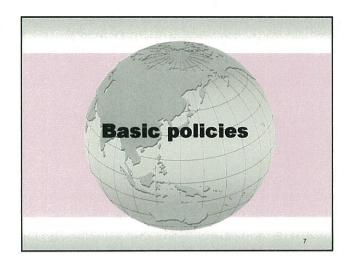
Predicted Scale of Earthquakes and Casualties Predicted Earthquake number of Erathquake in Nothern building collapse About 30.8% Tokyo Bay Magnitude 7.3 5,600 people Concrete brick fence collapse, etc 18:00 in winter Wind Velocity 6m/sec 9.9% building collapse Epicentral Erathquake in Tama Area About 18.0% Magnitude 7.3 3,300 people Concrete brick fence collapse, etc 18:00 in winter 18 2% Wind Velocity 6m/sec Tokyo Disaster Reduction Conference in May 2006 5

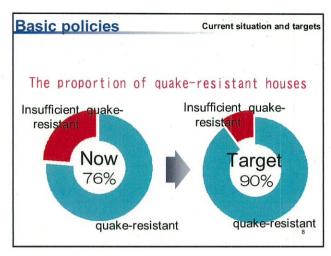
Buildings covered by the Plan

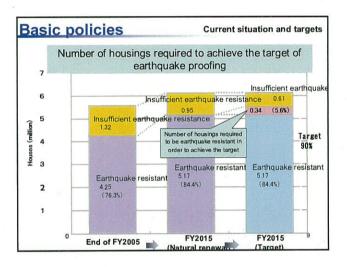
 Houses and buildings build before the new quake-resistance standards (come into force on June 1, 1980)

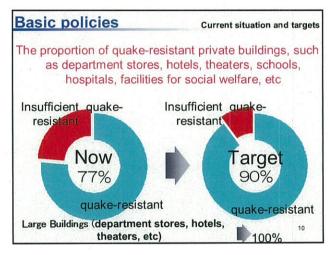
Period

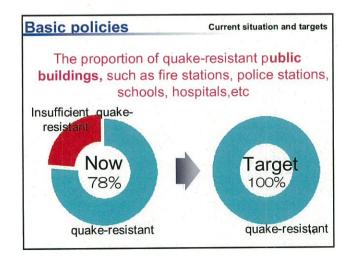
 10 years from FY2006 to FY2015 (reviewed and revised as appropriate on a regular basis)

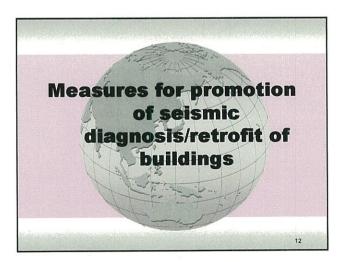












Measures for promotion of seismic Basic Strategies liagnosis/retrofit of buildings Principle of self help. provide technical assistance to mutual help and building owners public help From the viewpoint of provide financial public help, if assistance to building owners necessary Strengthen cooperation with the municipalities and other related organizations 13

Measures for promotion of seismic Key Strategies iagnosis/retrofit of buildings High priority buildings to be seismically retrofitted Public buildings that Immediately perform seismic diagnosis perform critical functions in case of a Create detailed action disaster Strongly request to the Department stores, owners for seismically retrofitting these buildings. hotels, etc. Promote the use of the Seismic Diagnosis Aid Condominium Program (Consensus building is difficult among owners)

Measures for promotion of seismic analysis/retrofit of buildings

Key Strategies

Approach for seismic retrofit of Condominiums

- Financial aid (interest subsidy) for Seismic diagnosis/construction
- To disseminate seismic retrofit among condominium management associations by "The TMG's Guideline for Management of Condominiums" (Oct.,2005)
- To dispatch the adviser on rebuilt & renovation of condominiums (privately-owned units)
- To dispatch the adviser on management of condominiums (privately-owned units)
- To introduce seismic diagnosis services providers by close cooperation with related organizations
- To disseminate seismic diagnosis by close cooperation with condominium management providers, etc

Measures for promotion of seismic

Key Strategies

diagnosis/retrofit of buildings Seismic retrofit of Condominiums

Financial aid for Seismic Diagnosis

Financial aid for municipalities which implement subsidies for seismic diagnosis of condominiums

Financial aid for renovation work (interest subsidy)

The TMG provides interest subsidy (1%) for 7 years on condition that it gets "Reform Loan for Common Space of Condominiums" by the Japan Housing Finance Agency

(To get debt guarantee by the Condominiums Management Center is necessary)

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Measures for promotion of seismic diagnosis/retrofit of buildings

Seismic retrofit of Condominiums

The TMG's Guideline for Management of Condominiums(Oct.,2005)

OAdvisable matters that condominium management associations should do, etc

OAs appendix, introduction of seismic diagnosis/retrofit methods

• procedure of seismic diagnosis

• methods and examples of seismic retrofit, etc

Sold at the Information Room on the 3nd floor in the TMG #1 Building

Measures for promotion of seismic diagnosis/retrofit of buildings

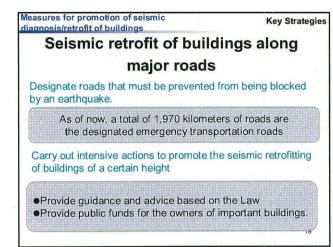
Seismic retrofit of Condominiums

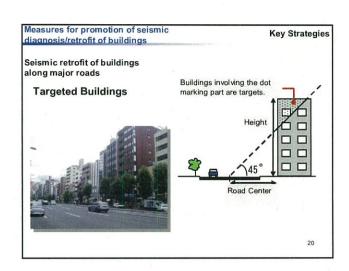
Adviser on rebuilt & renovation of condominiums (privately-owned units)

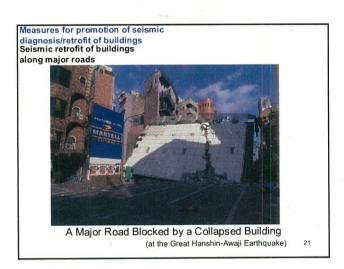
To inform technical matters and explain the review paper to the condominium management associations on the site in the early stage of the study about rebuild & renovation

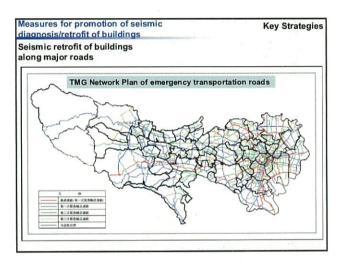
Adviser on management of condominiums (privately-owned units)

To inform technical matters and advise the maintenance and management of condominiums on the site









Measures for promotion of seismic Related measures/ diagnosis/retrofit of buildings enlightenment activities To improve capabilities of designers and constructors offering seismic diagnosis/retrofit services, and to provide citizens with information about reliable providers of such services. o expand & improve consultation services, etc Related measures •To build up a closer connection with the Periodic Investigation and Reporting System Prevention of falling window glass, tiles, etc Regulation of outdoor advertising (above a certain size→ to post administrator of outdoor advertisement)

• Prevention of elevator trappings ·Prevention of falling furniture ·To induce building owners to do seismic retrofit when they plan to reform their buildings To keep "Post-Earthquake Temporary Risk Evaluation of Damaged Buildings System" in a good condition

To train specialists who evaluates the risk of damaged buildings, and to keep them in active

· To perform building confirmation and interim & final inspections thoroughly

•To disseminate "Housing Performance Indication System" further

/ Raise awareness through door-to-door visits to building owners.
 Work together with private sector groups
 PR activities

 / Campaign to promote seismic diagnosis/retrofit buildings
 / Organize the workshop

 Others

 / Register the design office with competence for seismic

Toward promotion of the TMG's Plan

/ Support to development of municipalities' seismic retrofit

Toward promotion of the TMG's Plan

promotion plans

· Work together with municipalities

diagnosis of wooden houses in Tokyo
/ Restrict unprincipled door-to-door selling

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Thanks for your kind cooperation

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