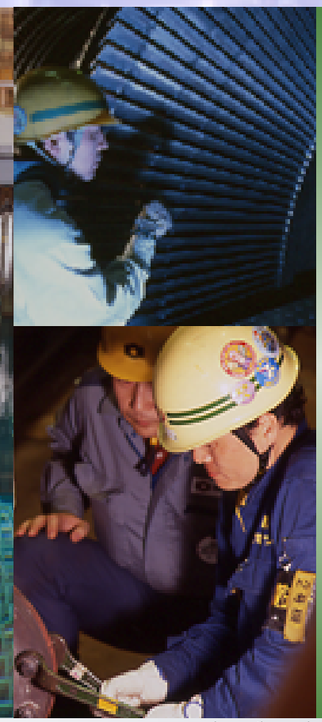
Nuclear power serves as our core energy, with uncompromising attention paid to safety.

Nuclear Power

Central Control Room

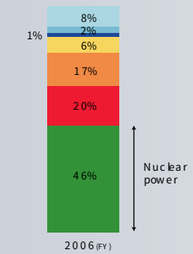
Spent fuel rod inspection



Inspection work

In recognition of the salient advantages of nuclear power as a stable and environmentally advanta geous source of energy, Kansai EP makes optimal use of this vital resource while always paying ut most heed to absolute safety in plant management.

By volume of power generation



Mihama Nuclear Plant

Takahama Nuclear Plant

Ohi Nuclear Plant

Focused Efforts to Ensure Optimally Safe Plant Operation

After profound reflection following the accident at the Mihama nuclear power station in 2004, Kansai EP determined that every measure conceiv able would be taken to prevent a reoccurrence of such a situation at any time. In response, all Company members have been working in concert diligently taking steps toward that end. Initiatives are evaluated by the Nuclear Power Plant Maintenance Reform Verification Committee, whose participants center on experts from outside the Company, and the Com mittee's findings and opinions, along with progress in implementing sug gested improvements, are made widely known on an ongoing basis. Go ing forward, initiatives of these kinds will be carried out ever more thoroughly, to ensure optimally safe operation of our nuclear power sta tions as a responsible corporate citizen.

Environmentally Friendly, Stable Source of Energy

In order to ensure stable provision of electricity over the long term, Kansai EP pursues the optimum generation mix. Our core energy source is nuclear power, which currently accounts for 46% of our total electricity output. Uranium, the source of nuclear energy, is available in stable supply, and when spent fuel is recycled, uranium resources can be utilized many times over. Moreover, nuclear power is a superior energy source because it emits no CO_2 during the generation process and therefore is effective in curbing global warming.

Efficient Use of Precious Resources

In our quest for efficient use of both uranium and plutonium, which is recovered through reprocessing of spent nuclear fuel, we un dertake a program in which plutonium is mixed with uranium to form mixed oxide (MOX) fuel.