

# 665 GW of New Generating Capacity Scheduled Worldwide by 2005

*Utility Data Institute*

---

---

Projected electric capacity additions worldwide from 1996-2005 are estimated to be around 665 gigawatts (GW), of which 58% is in Asia, according to Utility Data Institute (UDI). Assuming an average installed cost of \$1,000 per kilowatt (kW), construction of this new capacity will require a worldwide investment on the order of \$700 billion. An additional 589 GW of power plants with service dates after 2005 or still in the planning stages have been identified.

The fourth edition of the *World Directory of New Electric Power Plants* contains information on 7,481 projected generating units at 3,857 plant sites: these facilities are owned by 725 utilities, 657 industrial autoproducers, 722 “private power” companies, and 76 unidentified organizations. Generating units in the data base have commercial service dates out past 2015.

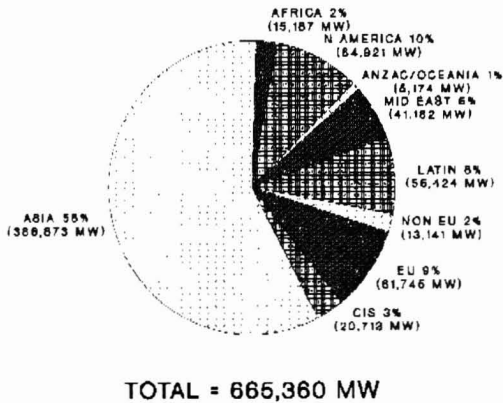
The “new plant” data published in this directory reflect a conservative, “bottoms-up” research approach. Although new power plants will likely be added beyond those currently “in the pipeline,” some of the facilities currently planned by utilities or autoproducers may be deferred or canceled. It should also be noted that many small generators—IC engines, wind turbines, minihydro, etc.—are being ordered, but their aggregate capacity is small in comparison to large central station hydro and thermal plants.

On a regional basis, new capacity in the 10-year block is distributed as follows: Asia 387 GW, Russia and the CIS 21 GW; the EU 62 GW; other Europe 13 GW; Latin America 56 GW; the Middle East 41 GW; North America 65 GW; and the rest of the world 20 GW. The 10-year block of new capacity is well-balanced fuel-wise with 31% coal-fired; 24% gas- and LNG-fired; 22% hydroelectric; 10% nuclear;

and 7% oil-fired with the small balance using ten other “fuels.”

The *World Directory of New Electric Power Plants* (UDI-2460-97) and data diskette are available for purchase from UDI. The report sells for \$395; the report and data diskette sell for \$495. Call UDI at 1-202-942-8788 or fax to 1-202-942-8789 for more information (UDI Web homepage: [www.udidata.inter.net](http://www.udidata.inter.net)). UDI is a directory and data base publishing unit of The McGraw-Hill Companies, Inc.

### Worldwide Generating Capacity Additions by Region: 1996-2005



### Worldwide Generating Capacity Additions by Fuel: 1996-2005

