

2020 Vision

Powering Tomorrow With Clean Nuclear Energy



A Plan for Nuclear Energy and America's Energy Future

Vision 2020 is the nuclear energy industry's plan to increase nuclear energy over the next 20 years to meet projected electricity demand growth of 50 percent. The centerpiece of *Vision 2020* is the addition of 50,000 megawatts of safe, reliable and environmentally sound nuclear power by 2020, enough to serve almost 38 million typical homes.

The strategic objectives of *Vision 2020* will:

- ▶ Increase acknowledgment of nuclear energy as a necessary and vital component of national and international energy and environmental policy.
- ▶ Maintain excellence in safe, reliable nuclear power plant operations supported by consistent and predictable regulatory processes.
- ▶ Attain an integrated and robust nuclear fuel cycle that is reliable and competitive.
- ▶ Maximize the value of nuclear energy assets in the electricity market.
- ▶ Increase public and policymaker support for nuclear technologies.
- ▶ Develop the necessary infrastructure and qualified human resources to meet the future needs of the industry.

Vision 2020 envisions that today's nuclear plants will produce an additional 10,000 megawatts of electricity by becoming more efficient. The industry also projects building new nuclear power plants over the next 20 years.

Vision 2020 forecasts moderate growth in America's percentage of electricity generated by nuclear energy. This is necessary to maintain the current 30 percent share of emission-free electricity production. Nuclear energy represents nearly 70 percent of all emission-free power; hydropower and renewables generate the remainder.

The Energy Information Administration projects the nation will need 50 percent more electricity by 2020 based on a projected growth rate of 1.8 percent a year. By comparison, the annual growth rate during the 1990s was 2.2 percent annually.

"We believe *Vision 2020* is essential to expand our economic growth and quality of life during the next 20 years," said Joe Colvin, president and chief executive officer of the Nuclear Energy Institute.