the proposal to delay automobile emission standards. Ford has proposed that strict emission controls which were to come into effect in 1976 should be put off until 1981, in exchange for which the automobile manufacturers have promised to improve by 40% the average gasoline consumption of new American cars by 1980. But Senator Edmund S. Muskie, who heads a key subcommittee which will consider the proposals, has already denounced it because it "trades public health for fuel economy".

Muskie and a number of other observers have pointed out that fuel consumption of 1975 car models was nearly 14% better than that of 1974 models, in spite of the fact that Detroit had to meet strict pollution control standards for the later models. They therefore point out that automobile manufacturers can meet the fuel economy goal without sacrificing environmental controls. Furthermore, a committee of the National Academy of Sciences reported last year that it could see no technical reason for relaxing the standards, and that the cost of meeting them is outweighed by the benefits.

The plans for expediting the nuclear licensing programme may also draw fire from Congress because there is a small but growing number of nuclear sceptics on Capitol Hill, and the Joint

Committee on Atomic Energy, which would normally shepherd such a bill through the Congress, has been considerably weakened by the retirement and defeat of nearly a third of its members. To help head off opposition to the nuclear programme, however, Ford has proposed increasing the budget for research on nuclear safety, waste management and safeguards by \$41 million next year.

A more fundamental question raised by Ford's proposals is whether the United States has the capacity to achieve even the redefined goal of energy independence. In the past few years, according to the Administration's own figures, electricity utility companies have scrapped or postponed 60% of their plans to build nuclear power plants and 30% of those for nonnuclear plants, and this at a time when Nixon was urging all-out expansion to meet the 1980 independence deadline.

The reason was lack of capital for investment, and so Ford last week proposed a number of measures to attract investment capital to the utilities, and to allow electricity rates to increase steeply. That is a prospect which many legislators will not relish explaining to their constituents when they come up for re-election in 1976.

Furthermore, a committee of the National Academy of Engineering produced a study last year which simply tallied all the measures that would have to be taken to meet the goal of zero oil imports by 1985, the total of which was so staggering that the committee concluded that it is highly unlikely that the goal could be achieved. Although the redefined goal will be easier to meet, there is nevertheless considerable doubt that the capacity can be established in time.

the long term, Ford has reiterated the Administration's commitment to energy research and development, and has indicated that nuclear power is expected to play a central role in the energy mix towards the end of the century, by which time he hopes that the United States will be so flush with energy that it can export some to the rest of the world. Although he was not very specific about which technologies will get preferential treatment, a background statement distributed with Ford's message at least indicates that the breeder reactor may have slipped a little in the list of priorities. It used to be the number one energy programme in the Nixon Administration, and although the statement indicates that some means must be found to eke out uranium resources, it says that "the breeder reactor is only one such supply source" under consideration.

THE Administration's plans for pro- fuels to replace oil and natural gas". massive amounts of radioactive matemoting the development of nuclear The statement also insists that although rials that would inevitably be created rapped from both sides last week. Two consumption can be made only at the program". The letter was endorsed by groups of scientists, each replete with expense of jobs. Nobel Prizewinners, traded statements basket.

placed in starker contrast.

the most serious situation since World Richard Wilson of Harvard University, much impact on the Administration's War II", and it goes on to deplore the fact that long range energy plans are also taken exception to the Adminis- wide divergence of opinion within the emerging too slowly.

commitment to the use of coal and Bethe released his statement, Ralph conference between the chairman, nuclear power. "We can see no reason- Nader sent a letter to President Ford Ralph Lapp, and Daniel Ford, a able alternative to an increased use of urging him to "personally review the spokesman for a group which has nuclear power to satisfy our energy implications of dependence on nuclear played a leading role in opposition to

Asked why he drafted the statement, in Washington urging, on the one hand, Bethe said that he had "felt for some accidents could endanger "our children a greater commitment to nuclear power years that nuclear energy was not get- and their children, for generations" for meeting energy demands and, on ting enough emphasis", although he and states that early enthusiasm for the other, criticising the Administration said that Ford's energy proposals—nuclear power has "been steadily for putting too many of its eggs in one which were announced after the state- eroded as the problems of catastrophic ment was written-are a great im- accidents, long-term waste disposal, and Although such sentiments are far provement. Among those who endorsed the specific hazards of plutonium have from new, seldom have they been the statement were William O. Baker, been more fully appreciated". In con-President of Bell Laboratories, Harold trast to which, Bethe's statement says The pro-nuclear statement, which Brown, President of CalTech, Joshua that nuclear critics "lack perspective as was largely the work of the physicist Lederberg of Stanford University, to the feasibility of non-nuclear power Hans Bethe, was released at a press Franklin Long of Cornell University, sources and the gravity of the fuel conference the day after Ford unveiled Edward Purcell of Harvard University, crisis", and expresses "confidence that his energy plans. Signed by 34 eminent Glenn Seaborg, former chairman of the technical ingenuity and care in operascientists, including eleven Nobel Prize- US Atomic Energy Commission (AEC), tion can continue to improve the safety winners, the statement began: "We, as Frederick Seitz, President of Rocke- in all phases of the nuclear power scientists and citizens of the United feller University, Edward Teller of program". States, believe that the Republic is in Lawrence Livermore Laboratory, and Although neither statement will have

tration's nuclear plans, though from a scientific community on nuclear safety. The statement urged much greater different standpoint. On the day that And a heated exchange at the press

power in the United States were sharply conservation is desirable, large cuts in by a full scale nuclear power eight eminent scientists.

Nader's letter notes that nuclear

But critics of nuclear power have plans, they do at least testify to the needs", it states, while "coal is irre- power", citing "the unique and sub- nuclear power, confirmed that those placeable as the basis of new synthetic stantial hazards associated with the opinions are very firmly held.