

DUNLITE'S GRANT FOR NEW ENERGY SYSTEM

An energy system which will use solar and wind derived electric power to supply the needs of a typical household is being developed by Dunlite in South Australia.

Work on the system, which is already well advanced, will be speeded up following the announcement of a development grant by the Minister for National Development (Mr Kevin Newman).

Dunlite is a world leader in wind driven generators and has received export orders from more than 20 countries including the United States, China and Sweden.

The company's first major Australian project was to produce wind-powered generators to power Telecom's microwave link between Adelaide and Perth.

Dunlite is the only company in Australia designing and manufacturing alternators in the range 0-350 kVA, together with equipment which enables the alternators to be driven by the wind, diesel engines and other means.

The energy system now being developed will combine solar power, wind energy

and a stand-by diesel generator.

The generator would be needed only during long periods of calm and overcast weather, or when the household's peak load demand exceeded the system's capability.

"The system now being developed will be compact so it can be transported by rail or road," Mr Bryan Nolte, General Manager of Dunlite, said.

"The diesel, batteries, control panels and invertors will be housed in a standard shipping container.

"The solar array will be mounted on top of the container and adjusted for optimum performance.

"The tower for the wind-driven generator will be located near the container in such a manner that its shadow will not be cast over the solar panels.

"Room will be available in the container to increase electrical storage capacity so the system could provide power for air conditioning and electrical back-up for a

solar hot water system."

Mr Nolte said the system would include a Dunlite 5 kw wind-driven generator and 100 Philips 10 watt solar panels.

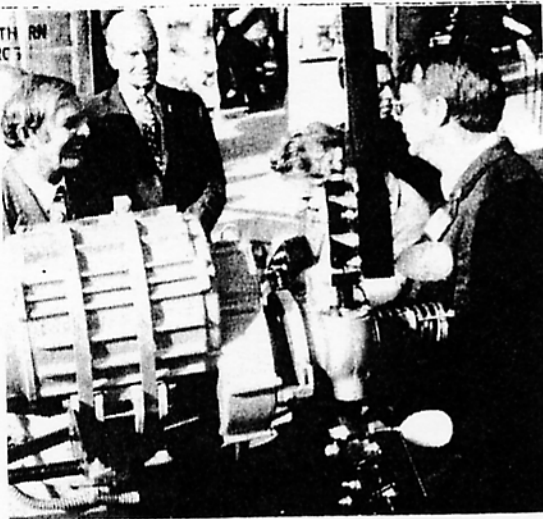
Development of the new generator had cost well over \$100,000, he said.

"The Australian Government's grant will enable Dunlite to de-

sign and manufacture an energy system which will have great flexibility," Mr Nolte said.

"The basic system could be expanded by adding more solar arrays or wind-driven generators.

"The project will exploit existing Australian technology in a field in which we are an acknowledged world leader."



Australian Deputy Prime Minister and Minister for Trade, Mr Anthony (left) and Mr Bryan Nolte (right) at the Dunlite exhibit at the Peking Trade Fair. Dunlite was one of only a few Australian companies invited to exhibit.