B. SOLAR, GEOTHERMAL, AND ADVANCED SYSTEMS TASK GROUP ISSUES LIST

1.	Setting Criteria for Program Priorities	6.	Support for Study of Decentralized Solar Electrical Generation143
	Decision-point criteria defining measures for evaluating success within a given solar energy program, choices among programs, and readiness for commercialization need to be estaiblished, quantified, and justified.		The study of the decentralized production of Electricity has received limited attention, especially as it involves the potential utilization of waste heat.
2.	Rationale for Funding of High-Risk Projects	7.	Emphasis on Electric Energy Systems
3.	Resource Availability137 The ERDA Plan lacks adequate emphasis on the role that critical resources play in selecting energy alternatives.	8.	Emphasis on Solar Heating and Cooling of Buildings146 The importance of solar heating and cooling relative to other programs is not recognized in the ERDA Plan.
4.	Program	9.	Purposes of the Solar Heating and Cooling Demonstration program 148 The size, scope, and purposes of the solar heating and cooling demonstration program need specific definition.
5.	from engineering. ERDA Program Management141	10.	Role of User Incentives in Solar Heating and Cooling of Buildings
	The use of outside organizations and Federal		A well-structured user incentive program

laboratories by ERDA for some of its

program management functions, particularly

in the solar area, could produce an ineffective

organization.

would accelerate the solar heating and

cooling of buildings (SHACOB) and

accelerate development of the infrastructure

to support large-scale applications.

For consumer protection, standards are needed to provide comparative performance ratings, to allow comparison of durabilitity, and assure proper installation of solar equipment.

12. Impact of Solar Energy on Utility Peak Demand154

Onsite solar energy sources (most immediately solar heating and cooling), unless developed properly, will cause a significant utility peak demand problem,

13. Biomass Energy and Food155

Biomass energy generation may conflict with food production.

14. Legal and Institutional Constraints in Geothermal Energy157

Geothermal energy irrnplementation is not so much constrained by technology as by legal and institutional restraints.

Environmental problems, which have been inadequately stressed by ERDA, can plaice constraints on the potential development of

16. Nonelectric Uses of Geothermal Energy and Geothermal Goals ..161

The ability to approach ERDA's presently unrealistic 1985 goal for geothermal utilization will require a substantial increase in emphasis on nonelectric use.

Each geothermal reservoir has its own unique character sties, which affect the research strategy and demonstration portion of the ERDA program.