

GSS MODEL

GSS COMPREHENSIVE SOLUTION MODEL

FOR ENVIRONMENTAL AND ENERGY PROBLEMS

Global Services & Solutions (GSS) has a strong vision for the future of the energy and the environment. We, at GSS, believe in doing the right thing the right way, emphasizing the need for responsible planning, strategies, and actions to address the environmental and energy problems, so that our solutions don't cause any new problem. Proposed 'Comprehensive Solution Model' addresses the major problems associated with the environment and the energy use. The basic guiding principle has been to conserve and save each and every single calorie or BTU of energy that could possibly be saved. This realistic and highly flexible model can accommodate new developments in the field of renewable energy technologies and environmental science, and it can also offer immediate solutions to some of today's critical problems.

GSS logical and cost effective model has three major components:

I SOLID WASTE MANAGEMENT STRATEGY

II COMPREHENSIVE RENEWABLE ENERGY MANAGEMENT SYSTEM

(FOR ALL KIND OF BUILDINGS)

III AUTOMOBILE ENGINE EFFICIENCY AUGMENTATION

Integration strategies in this model would make renewable energy use more efficient and cost effective. It has the amazing two-fold capability of solving the problem of global warming. Firstly by reducing the amount of waste heat that would otherwise directly add to the environment. Secondly because of substantial reduction of green house gases. This model is indispensable if we really want to save the environment from the threats of global warming, in a cost-effective way.

The model starts with the solid waste management and recycling strategy, as recycling saves energy and reduces green house gases emission. First component would not only help better protect our environment by increasing recycling rate to 90%, but would also reduce city's cost of solid waste management and more than double the volume of recycling industry, creating new jobs. Second component deals with the use of renewable energy in buildings. Efficiency and integration strategies would make the renewable energy cost effective. It will solve the availability gap problem of solar and wind energy. Third component relates to the auto engine efficiency. Waste heat generated in the internal combustion engine would be used to produce electricity.

GSS 'Comprehensive Solution Model' can contribute to strengthen the base of our national economy. Along with new responsible drilling for oil, construction of new refineries, construction of new nuclear power plants, and clean coal technologies, we can secure our environment and freedom. France is producing 70% its electricity through nuclear power plants. Why can't we produce 35% of our electric demand through nuclear power plants? Similarly we can build integrated renewable energy power plants that can use concentrated solar energy, huge wind turbines with deflectors, hot rock geothermal energy, at appropriate sites, with responsible planning.

A pictorial outline of the nuts and bolts of the GSS 'Comprehensive Solution Model' is shown on the following page.

PICTORIAL OUTLINE OF GSS COMPREHENSIVE SOLUTION MODEL

COMPONENT # I

SOLID WASTE MANAGEMENT STRATEGY
(MUNICIPAL, AGRICULTURAL, INDUSTRIAL, ETC., WASTES)

HAZARDOUS WASTE
AFTER PROPER PHYSICAL AND CHEMICAL TREATMENT CAN BE REUSED OR OTHERWISE SENT TO LANDFILL AREA

PROJECT # 3
REUSABLE FOUNTAIN BOTTLES AND SYSTEM, TO SUBSTANTIALLY REDUCE VOLUME OF RECYCLABLE PLASTIC

NON RECYCLABLE ORGANIC WASTE
e.g., WASTE WOOD OF EVERY KIND, GARDEN WASTE, CROP RESIDUES, WASTE FOOD, INDUSTRIAL COMBUSTIBLE WASTE, ETC., CAN BE DIVIDED INTO THREE PARTS AS PER THEIR SUITABILITY AND DEMAND

PROJECT # 1, & PROJECT # 2
TOTAL RECYCLING STRATEGY, FOR ALL RECYCLABLES, TO, AT LEAST, DOUBLE THE PRESENT RECYCLING RATE. "WASTE ORGANIZING CABINET" (PATENT #6,209,978) ALONG WITH A NEW COLLECTION STRATEGY, CAN HELP ACHIEVE IT.

FIRST PREFERENCE FOR THE PRODUCTION OF ETHANOL, METHANOL, P-SERIES FUEL ETC., ETC.

PROJECT # 4
SECOND PREFERENCE FOR ANAEROBIC DIGESTION AND CO-DIGESTION

PROJECT # 5
THIRD PREFERENCE FOR THE PRODUCTION OF CARBONACEOUS WASTE LOGS FOR USE IN FLEX FUEL FURNACES AND FIRE PLACES

COMPONENT # 2

MEGA PROJECT # 6

PROJECT # 7

COMPREHENSIVE RENEWABLE ENERGY MANAGEMENT SYSTEM FOR BUILDINGS
(FOR ALMOST ZERO FOSSIL FUEL ENERGY HOMES, HOTELS, RESTAURANTS,, EDUCATIONAL, COMMERCIAL, INDUSTRIAL ETC. BUILDINGS)

ENVIRO-FRIENDLY, FLEX-FUEL FURNACE/ FIRE PLACE, WITH COMPLETE CLIMATE CONTROL

PROJECT # 8
MAXIMIZING SOLAR, WIND, AND GEOTHERMAL ENERGY EFFICIENCY, BY INTRODUCING INNOVATIVE TECHNIQUES, DESIGNS AND INTEGRATING STRATEGIES

PROJECT # 9
AN ENERGY RESERVOIR CUM WATER HEATER

PROJECT # 10
CO-GENERATION USING BINARY TECHNOLOGY OR STIRLING ENGINE TECHNOLOGY ALONG WITH REFRIGERATION AND AIR-CONDITIONING

PROJECT # 11
SOLAR-ELECTRIC HYBRID COOKING OVEN, AND FLEX-FUEL STOVE, THAT CAN BE FULLY COMPUTERIZED WITH THE OPTION OF SEMI OR FULLY AUTOMATIC COOKING

COMPONENT # 3

PROJECT # 12

AUTO-ENGINE EFFICIENCY AUGMENTATION
BY EFFECTIVELY UTILIZING THE WASTE HEAT GENERATED IN THE INTERNAL COMBUSTION ENGINE