

THE 12 ELEMENT *SUSTAINABLE AGRO-FORESTRY (SAF)* COMMUNITY ENTERPRISE DEVELOPMENT MODEL

A 12 element *SUSTAINABLE AGRO-FORESTRY (SAF)* COMMUNITY ENTERPRISE DEVELOPMENT MODEL has been researched and developed to demonstrate the societal, land, human and organizational asset producing effects of *SUSTAINABLE AGRO-FORESTRY* on *CHRONIC POVERTY*.

This 12 element *SAF* Model is summarized below as follows:

I.) SPIRITUAL ECONOMICS : A HOLISTIC SPIRITUAL SOCIO-ECOLOGICAL POLITICAL ECONOMIC PARADIGM (INTRINSIC)

- A.) THE EARTH'S ORIGINAL HUMAN GENERAL SYSTEMS DESIGN : THE ABORIGINAL GARDEN OF EDEN OR *SUSTAINABLE AGRO-FORESTRY (SAF)* EPISTEMOLOGY
- B.) INDIVIDUAL EMPOWERMENT: 1.) Golden Rule; 2.) Platinum Rule; 3.) Rule of Air ; 4.) Rule of True Food; and 5.) Rule of God's Magic
- C.) LANDMARK EDUCATION, INC. FORUM AND ADVANCD COUSE: PHILOSOPHY ONTOLOGY
- D.) SPECIFIC *SAF* COMMUNITY DEVELOPMENT BASED PROBLEM SYSTEMS ANALYSIS
- E.) FINAL DRAFT "HOPE LA-USA PROJECT" TYPE SOLUTION SYNTHESIS PROPOSAL INCLUDING *SAF* SITE DIAGRAM AND 10 YEAR BUDGET & REVENUE PROJECTION
- F.) ENROLLMENT OF HOPE LA-USA PROJECT *SAF* "HOST ORGANIZATION", VOLUNTEERS & SPONSORING COALITION NETWORK
- G.) HOPE LA-USA PROJECT *SAF* SITE PHASES:
 - 1.) PHASE 1: YOUTH DETENTION CAMPS AND PRISONS
 - 2.) PHASE 2: EDUCATION AND TRAINING FACILITIES
 - 3.) PHASE 3: NON-PROFIT, TAX-EXEMPT AGRI-FOREST ENTERPRISES
 - 4.) PHASE 4: ADDED VALUE MANUFACTURING, VERTICAL ENTERPRISES & COTTAGE INDUSTRY
 - 5.) PHASE 5: COMMUNITY RENOVATION AND NEW VILLAGE DEVELOPMENT

II.) SUSTAINABLE LIFE SCIENCE CURRICULUM (SLSC) : HOLISTIC EDUCATION & JOB TRAINING (INTRINSIC)

- A.) MULTI-DISCIPLINARY SCIENCES, HUMANITIES AND ARTS & CRAFTS WITH *BIOLOGICAL HORTICULTURE* CORE
- B.) INDOOR CLASSROOM
- C.) OUTDOOR *SUSTAINABLE AGRO-FOREST* LABORATORY SITE (AFTER THE ROMAN PHILOSOPHER EUCLID)
- D.) IN-SCHOOL & AFTER SCHOOL OPERATION
- E.) INDIVIDUAL GRADUATES LEARN THE FOUR (4) HUMANISTIC EDUCATION PRINCIPLES (from Kirpal Singh Ji, "Toward the New Education", *KP Publications*, 1972)

**III.) INTENSIVE VERMICULTURE : PRODUCING AND
CONSERVING HUMUS TOP SOIL WITH EARTHWORM
CULTIVATION AT 1500 TO 4000 EARTHWORMS/CUBIC
FOOT DENSITY**

(KEY AND INTRINSIC)

- A.) CALIFORNIA GOLDEN GIANT EARTHWORM (*PHERITEMA*) PRODUCTION FOR LAND FILL MARKET
- B.) ORGANIC PLANT MATERIAL RECYCLING AND MULCH PRODUCTION
- C.) BENEFICIAL SOIL BACTERIA

IV.) DEEP INTENSIVE GROWING BEDS: DOUBLE AND TRIPLE DUG

(KEY AND INTRINSIC)

- A.) INTEGRATED IRRIGATION TRENCHES AND PERMANENT PATHWAYS
- B.) TRIANGULAR PLANTING PATTERN, "COMPANION PLANTING" AND INTER-CROP PLANTING
- C.) ALL WINTER "SNOW GARDENING" IN TEMPERATE ZONES WITH SOLAR MINI-GREENHOUSES UTILIZING WATER AND EARTH PASSIVE SOLAR HEAT SINKS

V.) BIOLOGICAL HORTICULTURE TECHNOLOGY & TECHNIQUES

(KEY & INTRINSIC)

- A.) GREEN MANURE, COVER CROPPING, *REMINERALIZATION* (ROCK DUST) & NATURAL SOIL AMENDMENTS
- B.) NATURAL INSECT, WEED, FUNGUS, MICROBAL & OTHER PESTILENCE CONTROL
- C.) GARDEN PLANT COMPANION CULTIVATION ELIMINATING MONO-CROP AREAS

VI.) SUSTAINABLE AGRO-FORESTRY : THREE-TIERED CULTIVATION

(KEY & INTRINSIC)

- A.) INTEGRATED GARDEN, ORCHARD, ORNAMENTAL & TIMBER CULTIVATION
- B.) SEEDED AND TISSUE CULTURED "SUPER TREES" (10 TO 18 INCH ANNUAL GROWTH)
- C.) SUSTAINABLE MICRO-ECONOMIC COMMUNITY AND ASSET DEVELOPMENT

VII.) ON DEMAND IRRIGATION SYSTEM__ WITH AQUA-TERRA HORTICULTURE AND PiMAG WATER IRRIGATION R & D
(KEY & INTRINSIC)

- A.) ARTIFICIAL POND WITH **ALGAE** HARVESTED AS SOIL AMENDMENT
- B.) OPTIONAL REMOVABLE **POND SOLAR GEODESIC DOME GREENHOUSE** TECHNOLOGY
- C.) OPTIONAL INTEGRATION OF POND WITH GARDEN/AGRI-FOREST DEEP BED IRRIGATION TRENCHES
- D.) "STATE OF THE ART" DEVELOPMENT: LINKAGE OF DEEP BED TRENCHES WITH **POND SOLAR GEODESIC DOME GREENHOUSE** ACCOMMODATES THE HEATING OF "**SNOW GARDENS**" IN TEMPERATE WEATHER ZONES, WHERE THE COVERED POND ACTS AS AN ADDITIONAL PASSIVE SOLAR HEAT SINK WITH THE PASSIVE SOLAR EARTH AND WATER HEAT SINKS OF THE **SOLAR MINI-GREENHOUSES (SEE SECTION IV)**
- E.) RESEARCH & DEVELOPMENT OF PiMAG WATER IRRIGATION PRODUCTION UNIT

VIII.) NON-PROFIT ORGANIZATION INNOVATIVE PROJECT FUNDING: "MICRO- ECONOMIC" STRATEGIES
(OPTIONAL)

- A.) ALL SECTORS OF COMMUNITY ENROLLED FOR CASH & INKIND DONATIONS, SPONSORSHIPS AND VENTURE CAPITAL LOANS
- B.) NON-PROFIT/TAX-EXEMPT "PROJECT INCOME" FROM SPECIFIC PRODUCTS & SERVICES (**INTERNAL REVENUE SERVICE "85% & 15% NET REVENUE RULE"**)
- C.) RECYCLING RESOURCES DEVELOPMENT
- D.) **NIKKEN PiMAG "LIVING WATER" PRODUCTS MULTI-LEVEL MARKETING (MLM)**
- E.) INTERNET WEB SITE **<http://www.hopelausa.org/>** DOWNLOADING AND MAIL ORDER BASED DISTRIBUTION

**IX.) FOOD FORTIFICATION WITH NUTRITIONAL HERBS
(OPTIONAL)**

- A.) DIRECTED AT MINERAL & *HUMUS* DEPLETED SOILS, FOOD AND DIETS: SUB-CLINICAL AND CLINICAL MALNUTRITION
- B.) DIRECTED AT POLLUTED SOIL AND FOOD
- C.) DIRECTED AT POLLUTED AIR AND WATER

**X.) VOLUNTEER AND TRAINEE STIPENDS : YOUTH, YOUNG ADULT & ADULT
(OPTIONAL)**

- A.) REQUIRED SATISFACTORY CONTINUED EDUCATION
- B.) REQUIRED PERSONAL CONDUCT CONTRACT MET

**XI.) PARTICIPANT CASE MANAGEMENT COUNSELING & SOCIAL SERVICE REFERRAL
(OPTIONAL)**

**XII.) BRCA/HOPE LA-USA PROJECT, INC. PROVIDED *TECHNICAL ASSISTANT(TA)*, PROJECT DIRECTION & OTHER STAFF AND PARTICIPANT REINFORCEMENT TRAINING VIA INTRANET MULTI- MEDIA LECTURES, GROUP & ONE ON ONE INSTRUCTIONAL SESSIONS
(OPTIONAL)**

- A.) SELF FUNDED (NO COST) SERVICES FEE AND MATERIALS
- B.) ONCE PER MONTH 3 DAY WEEKDAY TA VISITS TOTALING 35 PERSON HRS/MONTH
- C.) IDEALLY ONE NO-COST COMPUTOR BASED, INTERNET AND INTRANET BASED, AND HARDCOPY, VIDEO &/OR AUDIO TAPE EDUCATION & TRAINING PRODUCTS SUPPLIED EACH MONTH