

Needful Provision, Inc. 2021- Annual Report w/ 2022 Plans

As of 12 June 2021, NPI celebrated 26 years of successful charitable projects, in the U.S. and overseas. During this time period, NPI has concluded research, development, and testing of several innovative self-help technologies designed to help the poor better assist themselves. With this background, NPI is reporting planned and on-going projects for 2021 as well as planned projects for 2022. To wit:

1) Global Distance Education for Developing Nations: The project focus is on health, food security/ agriculture, and entrepreneurship training. NPI, at its own expense, completed and published an eBook on the latter subject to assist with distance education efforts. In addition, NPI posts a number of such training materials on NPI's website (www.needfulprovision.org). Some of our instructional presentations are also posted on ERIC (Educational Resources Info Center); e.g. ERIC "Remote Areas Development Manual," ED242881.

2) Counterdesertification Demonstration for Kenya: A 1,200 acre demonstration and testing of NPI's advanced counterdesertification technologies to grow food, feed/ forage, fiber, niche, tree, and green energy crops on desert lands using available local water resources; e.g. water from Lake Turkana (in Kenya). NPI is hopeful that the GOK (Govt. of Kenya) will be able to obtain \$37 million in project funding from the World Bank (action is pending with funding possible by 2022-23). Planning for this project continued during the early part of the year but is now delayed due to the unexpected death of NPI's Kenyan Project Director, Gacii Waciama.

3) Tubal-Algalculture: NPI has perfected a system of growing algae in tubes to extract excess nutrients from streams, rivers, lakes, and glades to improve water quality and return nutrients to farms, while growing algal lipids for biofuels and algal high protein solids for livestock feeds and other uses. Moreover, this algal production system will produce algal lipids for biofuels and algal solids for high protein food/ feed supplements and other algal products. Discussions are being held with the Inter-American Foundation (IAF) in regard to IAF funding of a demonstration of this technology in El Salvador.

4) Model Diversified Farming Project: NPI has been assisting 34 Montagnard (Asian) political refugee farmers (from Vietnam) in Greensboro, NC, with a demonstration project and 9-acre urban farm with distance education features. (A generous couple in Greensboro, NC donated perpetual use of their 9-acres of urban farmland, held in an estate, for this long-term effort.) This work continues to be sustained as needed.

5) Apollo Publications: Apollo printed NPI's eBook and hard copies of an Entrepreneurship training handbook for instruction of prospective entrepreneurs in developing nations in 2020. This publication was well received, worldwide, but since Apollo just ceased operations due to reasons unrelated to this effort, a new publisher must be found. NPI's President (Nuttle) just published an eBook of his memoir on Amazon and Barnes & Noble. NPI will replicate such an effort to publish an eBook to replace Apollo's discontinued work.

6) USDA/ FAS (Foreign Ag Service): FAS previously considered but then declined US\$35 million in commodities support for NPI's food security projects in Kenya. These commodities, if provided, would have been sold by NPI locally to help fund agricultural development projects in that food insecure nation. Political delays at USDA and corruption within the prospective host government have frustrated funding for this prospective effort. As time permits, NPI will make a new and expanded request for such support in 2022-23.

7) Compass Green: NPI and Compass Green jointly worked on a housing recovery project to assist populations of the Bahamas obtain safe, innovative, and hurricane-resistant homes after the loss of what that had due to the 2017 hurricane destruction. The Compass Green house designs proved to be inadequate to the task, and Nuttle with support from NPI developed a low-cost modular hurricane resistant self-sufficiency house (Nuttle's U.S. Provisional Patent No. 62/761,029). Due to the critical need for such housing, this is a work in need of support to be further explored in 2022.

8) Fraudulent Foreclosure Education: As part of its educational charter, NPI's staff worked with fraud and forgery experts to help identify and educate the public on the horrific fraudulent foreclosure practices big banks have been using to illegally take client homes, farms, and ranches using forged documents. NPI's CFO, Renee King, helped to win a related major fraud case, in U.S. District Court, against a corrupt big bank. This effort is on-going.

12) AgVet Instructional Project: A Infinite Heroes Foundation grant for \$300,000 has been requested, for 2022, to start NPI's efforts to provide extensive entrepreneurship & agriculture training for disadvantaged military veterans seeking to farm or ranch in Colorado.

13) Preparedness Systems Intl., Inc. (PSI) Supported Projects: NPI's indirectly affiliated for-profit, PSI, licenses and commercializes NPI's new technologies and pays NPI a royalty of 03 percent of PSI's annual gross income for use of these technologies. Using requested USDA SBIR grant funds, PSI hopes to commercialize NPI's newly developed all-season greenhouse and biosecure, green poultry house. USAID may consider providing funds to acquire same, in quantity, for farmers in developing nations. The Islamic Development Bank (ISDB) has asked PSI

to consider providing same to many farmers in Indonesia and Bangladesh with IsDB paying all costs for this effort. Engineering and testing of these farm structures proceed in 2021 by NPI's staff assisted by engineers from Pfeifer Guard-All who will do the structure manufacturing.

14) AgroEcology Ecology Training Center: In cooperation w/ Pueblo Community College SW of Colorado. In 2021 NPI developed training models and instructional programming, for subject center, for education and on-the-job training of any persons who desire to learn skills in the areas of crop and livestock production, aquaculture, algaculture, aquaponics, green energy farming, and niche crops. This effort has been delayed due to a lack of sufficient numbers of Ag students at this community college.

15) All-Season Work-Study Greenhouse: Planning was finished, in 2021, for an all-season work-study greenhouse or students at SW Open School in Cortez, Colorado. Grant funding from Colorado Garden Foundation and LOR Foundation, w/ in-kind proprietary technology donations from NPI, will allow this project to be completed in 2022. Additional grant funding may be given by Gates Family Foundation to fund the demonstration of four alternative energy systems for this greenhouse. NPI will also use this greenhouse to make instructional videos, to train interested farmers, in the innovative crop production means to be demonstrated in this unique greenhouse operated 24/7/365.

16) NPI's Supplemental & Priority Efforts: See below.

. **a)** Additional 2021 NPI food security projects planned in 2022 for several urban farming demonstrations and related instructional efforts for SW Colorado, may proceed in 2021.

b) In 2019 NRCS agreed to fund an NPI tubal-algaculture demonstration for the San Carlos Apache but this effort was cancelled by NRCS when the Apache staff discovered administrative problems that would not allow the tribe's immediate participation. NPI will continue critical negotiations with the Apache, simplify the proposed project, and plan to present the tribe with a modified proposal in 2022.

c) With support from Inter-American Foundation, NPI is preparing to work with 30 poor small-holder El Salvadoran farmers to demonstrate (in 2022) the use of NPI's biochar kiln to make biochar they may bio-activate with soil microbes for use as a soil additive. By this means they can greatly improve soil fertility and crop yields on their farms long-term for a low cost.

d) Based on NPI's President's, David A. Nuttle's, very successful experiences in the areas of counterterrorism and counterinsurgency, NPI grants him time as needed to provide instructions for U.S. Army Special Forces, Navy Seals, and CIA Special Operations personnel. Nuttle recently completed his memoir based on lessons learned from his unique special operations experiences such as those detailed in a book entitled "Vietnam's High Ground," by J. P. Harris. This

supplemental effort supports NPI's educational charter and priority U.S. national security objectives, overseas.

Overview of Budgets: Like most charities, NPI seldom is awarded more than 20 to 30 percent of proposed projects. In 2021, NPI did not receive usual royalty income, from patents owned and licensed to others, as it has in the past. Thus, NPI's grant income and donations for 2021 totaled only \$281,400.00 (see NPI's Form 990 for 2021 for audited details). Most pending grants were delayed until 2022 with failed commodity grants from USDA/FAS having lost the potential to greatly increase NPI's 2021 project funding. As reported on NPI's Form 990s, NPI's Directors, officers, and most staff members are all volunteers who receive no salaries, benefits, or payments of any kind. Typically, over 95 percent of NPI's annual income goes to support NPI's charitable projects. See NPI's IRS Form 990 for 2021 for the recent financial documentation. NPI's total income for 2022 is expected to possibly exceed \$2.7 million with the primary effort being work on increasing food crop production and food security, worldwide.

17) NPI's Actual Project Expenses for 2021: See NPI's 2021 Form 990 Part III.

Approved by: David A. Nuttle, President