The US Pyramid Project

is a 501(c)3 *dedicated to solving*

the global freshwater crisis.

Year 1 Budget

&

Year 2-5 Funding

YEAR 1
FUNDING SUMMARY

To launch the Colorado restoration project, the USPP is selling an exclusive resale license to it's desalination Patent for $5 million. The resale license will come with a $5 per Cube royalty for every Cube sold beyond the 10,000th installed Cube. The $5 million in funds will be held in Trust by the license holder's Attorney. Project funds will be disbursed on a monthly basis, pursuant to a formal accounting of the previous month's financial activity and upon the approval of the coming month's financial request. There are two real estate purchases and several pieces of equipment proposed to be purchased as part of the $5 million funding request. Those items represent approximately $2+ million in asset value that could be liquidated in the event the project fails (collateral).

- **Land Acquisition**: Purchase of the initial site in the Colorado River Delta, and local city.
- **Site Rehabilitation**: Heavy Equipment restoration of roads and shrimp beds.
- **Manufacturing Setup**: Conex Containers, Form Molds, Solar System.
- **Freshwater Pipeline**: Pipeline laid from the desalination system to the restoration site.
- **10,000-Cube System**: Plastic, Manufacturing, Platform, Filtration, Pipelines, Pumps.
- **Salt Processing**: Infrastructure for brine evaporation, collection and removal.
- **Administration**: Marketing to conservation groups, project management, accounting, and legal services.
- **Assets ($2+ million)**: Vehicles, ATVs, conex containers, heavy equipment, solar panels, and real estate.

YEAR 1 BUDGET

Acquisition Item	Total Cost of Item	Asset Value Retained	Running Project Total
Real Estate Acquisition Colorado River Delta Abandoned Shrimp Farm	$1,700,000	$1,700,000	$1,700,000
Real Estate Rehabilitation Road into property ($100/ft) x 1,500 ft. Gravel, road grading, labor, contractor, insurance included in cost.	$150,000	$1,700,000	$1,850,000
Oceanwater Intake Pond 1 60,000 gallons. 50,000 gallon drain ever 48 hours; to be refilled over a 48 hour period. 6 ft deep pond, 1,200 sqft pond bottom and 1,500 sqft surface. 4,000 sq feet pondliner ($2/ft), Pond and Liner Installation: $12,000	$20,000	$0	$1,870,000
Oceanwater Intake Pond 1 Contractor Remodel: Heavy Equipment	$5,000		$1,875,000
Salt Evaporation Bed 1 Pond Liner & Shipping ($2/ft) & Installation ($1/ft). 10,000 gallons (1,333 cubic ft) of 17.5% solution every 48 hours. Need 1/2 inch depth. 40,000 sq foot bed. 3 days for drying, 1 day for harvest; a 4 day cycle. Two salt drying beds to accept one salt water dump every two days.	$90,000		$1,965,000

Salt Evaporation Bed 1: Contractor Remodel: Heavy Equipment	$5,000		$1,970,000
Salt Bed Pipeline: From Cycle Bed to Salt Drying Bed. 2,000 ft of 2" black HDPE pipe @ $2.50/ft materials/delivery + $2/ft installation. Pump, Check Valve, Satellite Connection and Remote monitoring.	$10,000		$1,980,000
Salt Bed 2 Pond Liner & Shipping ($2.00/ft) & Installation ($1.00/ft). 10,000 gallons (1,333 cubic ft) of 17.5% solution every 48 hours. Need 1/2 inch depth. 40,000 sq foot bed. 3 days for drying, 1 day for harvest; a 4 day cycle. Two salt drying beds to accept one salt water dump every two days.	$90,000		$2,070,000
Salt Bed 2: Contractor Remodel: Heavy Equipment	$5,000		$2,075,000
Cycle Pond Base: 70,000 gallon capacity / 50,000 gal operational capacity. Day 1: 3.5%-5.5% Day 2: 5.8% Day 3: 5.8%-17.5% Day 2 Night: Drain to Salt Evaporation Pond, refill w/50,000 gal from Intake Pond. 20,000 sq pondliner with 3 ft tall lip; $2/sqft pondliner + $1/ft installation).	$45,000		$2,120,000
Cycle Pond: Contractor Remodel: Heavy Equipment	$5,000		$2,125,000

Cycle Pond Bladders 5,000 gallon bladders placed in Cycle Pond Base. $4,000 bladder, $500 shipping, $500 installation. $5,000 total per unit, 14 units total. 2 additional units for fresh water collection. 16 units total.	$80,000		$2,205,000
Tree Growing Pond Irrigation Piping Burlap Growing Sacks Soil Nutrients Flood Irrigation	$50,000		$2,255,000
Sand Filtration Unit (Stage 2) Purchase ($50k) Shipping ($5k) Installation ($20k)	$80,000	$1,750,000	$2.335,000
Canal Water Import Pipeline & Pump installed from Canal to **Sand Filtration Stage 1** 300ft 1" od pvc food grade hose $1.50/ft including shipping Debris Cage and import side in Canal: $250 $300	$10,000		$2,345,000
Sand Filtration (Stage 1) Wood Box filled with sand. L: 20ft x W: 10ft x H:6 ft. Water from the canal is piped to the top of this box and deposited. The water filters through the sand to remove large particles and is collected at the base. The water is then piped to sand filtration stage	$50,000		$2,395,000

2 for mechanical filtration. Materials and Installation included in cost.			
Cube System Platform Platform for Cube System (materials & construction): 2,000 sqft x $30/sqft	$60,000	$1,775,000	$2,455,000
2 Conex Containers: $6,000 per container, $4,000 Delivery. $10,000 modified with shelves for one. The other is for equipment storage.	$30,000	$1,800,000	$2,485,000
4 Conex Containers Remodeled with Insulation, Electrical, HVAC, Manufacturing Equipment prepared. Contractor & Materials Bid per unit: $40,000.00	$160,000	$1,900,000	$2,645,000
3 Starlink Units- 1 in field, 1 at conex, 1 in town office. $500 equipment, $1,200 per year subscription, Installation: $300/unit.	$5,000		$2,650,000
50 kW Solar Panel Array to Power Conex Containers, Purchase, Shipping & Installation & Property Wired. Materials $50,000.00. Installation $25,000.00	$75,000	$1,950,000	$2,725,000
Form Molds: $40,000/ customized unit Form Mold 1: Trays Form Mold 2: Cube Bottom Form Mold 3: Cube Top Form Mold 4: Side Wall sealing	$320,000		$3,025,000

Initial Order will be 2 of each Form Mold Types 8 total Form Molds ordered			
Thermal Plastic $25 per Cube x 1,000 Cubes	$25,000		$3,050,000
Solkote Paint: 1 qt per 140 Cubes (One bank of Cubes) Initial order: 8 quarts $80/quart + $20 shipping = $100 per quart 10 quarts x $100 = $800 Will cover first 1,120 Cubes. Additional Paint funded through Cube sales. $4,000 for **Solkote Paint** **Applicator/Application:** 2 Spray Applicators + Cleaning Materials for Spray Applicator: $1,000 plus $3000 Labor (application)	$5,000		$3,055,000
Tube Type 1: Solar Collector to Top of Cube. Main Distribution Line. 20 ft/ 70 Cubes. Order enough tubing for 1,100 Cubes. 1,100 / 70 Cubes = 16 units of 20 ft = 320 ft High Temperature UV resistant Silicon Tubing ¾”od: $3.00/Foot. Shipping included. 320 feet x $3.00/ft = $960	$1,000		
T & L Ports: Line 1 runs along the top of the Cube System and deposits water into Cubes. Water is diverted from Line 1 to the top	$300		

of the Cubes using a ¾" T Port. Each Line 1 runs along the top of 10 Cubes and requires 9 T Ports to feed each Cube stack. The 10th Cube requires an L Port, as it is the end point of Line 1. There ports are around $3 per unit. We need 10 Ports per each Line 1. 10 Line 1's service 1,400 Cubes. Our initial order will be for 90 T Ports and 10 L Ports.			
6-Port Manifolds The T Port off of Line 1 will deposit water into a 6 Port Manifold. This 6-Port Manifold will disperse the water into 6 Tubes that directly deposit water into the top tray of the top Cube. One PVC T Port to 6 Port Manifold is $6 including shipping. One T Port Manifold per 7 Cubes. One T Port Manifold is $6 including shipping. 1,000 Cubes needs (143) x 6 Port Manifolds. Total Order will be 150 units 150 units x $6 = $900	$900		
Tubing to connect 6-Port to Cube: **⅓" o.d. tubing** from 6-Port to Cube Top. Each Tube is 6 inches in length. 36 inches of tubing per Cube. 1,000 Cubes: 36,000 inches of ⅓" tubing + 10% mistakes: 40,000 inches/ **3,333 ft.** **$1.00/foot + shipping.**	$4,000		$3,060,000
Cube Exit:	$30,000		$3,090,000

Tubes from Cube taking water to fresh bladder. Tubes from Cube to central port; taking water to saline bladder./ recycle bladder. 10,000 feet of tubes, $2/ft tube material cost + $1/ft installation.			
Pumps (70 gph), Meters with Satellite connection, Installation. 5 units, solar powered with battery, $1,000 each, installed.	$5,000		$3,095,000
Solar Collectors: Stainless Steel Pipes (316): 3 ft long, 1" o.d 7/8" id. One Steel Pipe per 70 Cubes. 150 units @ $40 per bar. $4,000 delivery	$10,000	$1,955,000	$3,105,000
Solar Collector Rack System: 1 Stainless Steel Water Pipe per 140 Cubes. 10 Pipe Rack System would service 1400 Cubes. Rack System: Base: 4ft wide x 4ft deep. Height: 3ft tall at the bottom side and 4 ft tall at the top side. Materials: 1" x 1" Stainless Steel Bars They are $40/ft including shipping. 46 feet needed for structure. 50 feet will be ordered. **Materials Total Cost: $2000** **Design Fee: $2,000** Welding Hours: 20 hrs Welding Rate: $200/hr **Welding Total Cost: $4,000**	$10,000	$1,960,000	$3,115,000

Delivery Cost: $2,000			
Fresh Water Pipeline to Restoration Site 1" id Food Grade Hose Can deliver up to 20 gallons per minute. 10,000 Cubes produces an average of 14 gallon per minute flow over a 24 hour consistent disbursement. 48 kilometers = 29.8 mi = 157,400 feet Hose: $1.50/ft including shipping: $240,000 Installation $1.00 per foot = $160,000	$400,000		$3,515,000
Mexican Business Needs: Attorney for Mexican Entity filing and Communication with Authorities ($30,000) Mexico Patent Filing ($20,000)	$50,000		$3,565,000
Cube Assembly Labor 4 full time Cube assembly persons: $100/day/person x 300 days. All insurance, taxes, accounting included.	$120,000		$3,675,000
USPP Marketing Marketing Materials: $5,000 Organizational Presentation Travel: $20,000 Website and Online Marketing: $15,000 Advertising $20,000 Video Production: $20,000 Event Sponsorships: $20,000	$100,000		$3,775,000
Local Home/Office Purchase for USPP local staff ($50,000). Furnishing, Utilities & Monthly costs for a year ($50,000)	$100,000	$2,010,000	$3,875,000

Mini Dozer Heavy Equipment. Mini Dozer for shrimp bed rehabilitation and salt bed harvest. Used with multiple attachments.	$75,000	$2,060,000	$3,950,000
Heavy Equipment Repair Budget Caterpillar, Crane, Road Grader, Other As needed	$25,000		$4,025,000
Heavy Equipment Operators Contract work as needed $60 per hour Estimated Yearly Need: 200-300 hours	$25,000		$4,050,000
1 Forklift + Repairs Forklift for Salt bins (at system site salt beds and at salt processing facility)	$50,000	$2,090,000	$4,100,000
1 Flat Bed Trailer Trailer for loading and transporting Heavy Equipment	$25,000	$2,110,000	$4,125,000
1 ATV ATVs for site navigation and Cube transportation. ATV, Registration, Insurance, Repairs, Delivery, fuel, budget per unit for the year: $50k	$50,000	$2,140,000	$4,175,000
2 Modified Conex Containers Containers for ATV Storage and Cube Materials Storage. Equipped with video surveillance installed, modified for security, delivered and installed (	$50,000	$2,170,000	$4,225,000

including ground leveling), insulated: $25,000 each			
Fuel Tanks 4,000 gal gas tank for ATVs & Pickups: $15,000 Shipping, permitting, installation: $10,000 4,000 gal diesel tank for Heavy Equip $15,000 Shipping, permitting, installation: $10,000	$50,000	$2,200,000	$4,275,000
Fuel Fuel Delivery for a year (8,000 gallons) $3.50 per gallon including delivery	$25,000		$4,300,000
Salt Disposal 1 Flat Bed Trailer ($20,000) A cargo container suited for salt transportation and railcar loading. ($25,000) Delivery to site ($5,000) 2 Salt Containers are needed because once one is loaded, we will need to start filling the next. Salt will be harvested from the evaporation bed using a mini excavator. The salt will be put directly into the container. When the container is full, a contract driver picks up the trailer and delivers it to the railroad. Our 10,000 Cube System is expected to produce 1.6 million lbs of salt, which will be transported 30,000 lbs at a time, making 54 shipments for the year. Independent contractor drivers are hired.	$100,000	$2,280,000	$4,400,000

Salt Collection Labor 1 Full time Salt Collection Truck Driver & Heavy Equipment Operator ($200/day) x 100 days	$25,000		$4,425,000
Sand Filtration Unit #2 Purchase ($50,000) Shipping ($5,000) Installation ($5,000)	$60,000	$2,320,000	$4,485,000
Organic Matter Recycle Pondfrom: Organic matter from Sand Filtration Stations is remixed with ocean water and transferred to an empty bed for settling. 5,000 feet of 3” pipe + Pumps= $5/ft total cost. No Pondliner needed.	$25,000		$4,510,000
US Attorney: Convert or create a Public Non Profit Make sure the funding structure is consistent with Non Profit rules. Mexico Operations, Permitting	$50,000		$4,560,000
US Accountant $1,250 per month	$15,000		$4,575,000
Patent Owner The costs to develop this Patent and Business Plan has been substantial. $250,000 is an acceptable settlement of those expenses.	$250,000		$4,825,000

USPP Project Management: Executive Salary: $80,000 + $20,000 benefits. Assistant Salary: $48,000 + $12,000 benefits.	$160,000		$4,985,000
USPP Vehicle Mileage Estimated 30,000 miles @ $0.50 /mile	$15,000		$5,000,000
Totals		**$2.32mm**	**$5mm**

YEAR 2 & BEYOND
Funding Mechanism

After the initial 10,000 Cube System is built, the price of a Cube embeds the funds for it's associated expansion expenses; platform expansion, additional tubes, additional ports, installation, etc.

Cube Cost: $100

$25 Plastic
$10 Form Molds, Manufacturing, Assembly & Transport to Installation site
$10 Host Attachments & Installation
$5 Administration: Attorney, Accountant
$10 Site Expansion; platforms, solar
$10 Salt Processing + Salt Bed Expansion
$5 Royalty to Patent License Holder
$5 Royalty to Patent Owner(s)
$10 on site maintenance staff, materials, repairs
$10 USPP Sales, Marketing, Project Management