

# SOUTH BOSTON - GREEN HOUSE

## FISH FARMING TILAPIA

PRESENTED BY: AL "BREELOVE" FORD

ROMAINE LETTUCE | RED HOUSE TOMATOES

TWO YEAR  
RETURN OF  
INVESTMENT  
(ROI)

FIVE YEAR  
RESIDUAL  
INCOME PLAN



A COST EFFECTIVE PLAN DEVELOPED BY: IMAGO GREEN TO GIVE INVESTOR AN OPPORTUNITY TO GROW WEALTH BY HELPING A LOCAL BUSINESS GROW. OUR GOAL IS TO DEVELOP A BETTER WAY TO ENACT POSITIVE CHANGE FOR OURSELVES AND OUR COMMUNITY. FISH SALES IS OUR FAMILY BUSINESS.





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- 100,000 square foot facility on 2.5 acres can produce 4,000,000 pounds of tilapia per year.

How many pounds of cattle can be produced on 2.5 acres?

10,000 pounds per year

- Tilapia is 5th most popular seafood in US.  
The average US citizen eats 16.5 pounds of fish per year. 4,950,000,000 lbs

80% of seafood in the US is imported.  
Compared to 10% red meat imports.

Will fish farming work in Southside Virginia?

Blue Ridge Aquaculture is largest fish farmer in US and they are located in Martinsville, Virginia.

WE WANT TO GROW OUR FISH BUSINESS TO TAKE ADVANCE OF THE WHOLESALE FRESH FISH AND PRODUCE MARKETS.





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Storage and fresh water enters the system at the reservoir tank. The water is then pumped to the two fish culture tanks. The water level in the culture tanks is controlled by the external stand pipe that delivers the discharge or used water to the reservoir tank. Discharge water in the reservoir tank is pump to the sandfilter for removal of suspended solids and then delivered to the aerator and oxygenator to add oxygen or remove carbon dioxide or delivered to the biofilter for the nitrification process. Treated water from the biofilter is delivered back to the reservoir for recirculation.





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SOLAR THERMAL SYSTEM USED TO HEAT WATER TO 85 DEGREES.

SOLAR PV USED TO SUPPLY ELECTRICITY TO PUMPS AND EQUIPMENT.





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INVESTMENT NEEDED TO DEVELOP  
GREEN HOUSE FISH FARM IN SOUTH  
BOSTON, VIRGINIA IS 1,000,000.00  
( FOR 40% OWNERSHIP):

Component	Size/model	Capacity	Quantity
Culture tanks	Circular, 3.6 mØ x 1.5 m height	15,000 l	6
	Circular, 3.0 mØ x 1.5 m height	10,000 l	6
	Circular, 2.2 mØ x 1.5 m height	5,500 l	3
Reservoir tanks	Circular, 1.6 mØ x 1.2 m height	2,400 l	5
	Circular, 1.4 mØ x 1.0 m height	1,500 l	1
Sedimentation tanks	Circular, 0.3 mØ x 0.3 m height	20 l	6
Aerator and LHO	Cylinder, 50cmØ x 180cm height	19 desimeter <sup>3</sup> air/sec	6
Oxygenator	Quad 40, SeQual Oxygenator	15 standard l o <sub>2</sub> /min	2
Sandfilter	Triton TR 100, 80 kg sand substrate	22 m <sup>3</sup> /hr	6
Biofilter	Cylinder, 100 cmØ x 200 cm height	1.0-1.5 kg polystyrene microbead 4000-6000 m <sup>2</sup> specific surface area	6
Pump	Pentair Pinnacle, 1.5 kWh motor	30 m <sup>3</sup> /hr or 8 l/sec	5
	Pentair Pinnacle, 1.0 kWh motor	18 m <sup>3</sup> /hr or 5 l/sec	2
	Pentair Pinnacle, 0.5 kWh motor	15 m <sup>3</sup> /hr or 4 l/sec	1
Pipes	70 mmØ PVC, 8 orifice holes	6 l/sec	

WE NEED 1,000,000.00 TO EXPAND OPERATIONS  
FOR WHOLESALE FISH AND PRODUCE SALES.

INVEST TO RECEIVE 40% OF FISH FARM:

TILAPIA CAPACITY 500,000 LBS \$1.00 PER/LB

PRODUCE CAPACITY 2,000,000 LBS \$0.50 PER/LB

**1,500,000.00 YEAR ONE CAPACITY**

THIS ADDS UP TO \$1,000,000.00 PROFIT WITH  
500,000.00 FOR YEAR TWO GROWTH AND  
OPERATIONAL COST. INVESTOR GETS 400,000  
YEAR ONE, 400,000.00 YEAR TWO, WITH A PLAN IN  
PLACE TO DOUBLE CAPACITY OF PRODUCTION  
FOR YEAR THREE. YEAR THREE AND THEREAFTER  
INVESTOR WILL RECEIVE 800,000.00 PER YEAR.  
**WE KNOW THIS PLAN WORKS BECAUSE  
ON AVERAGE EVERY US CITIZEN EATS  
16.5 POUNDS OF FISH PER YEAR.**



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1,000,000.00 per INITIAL Budget	BUILDING	Staff/ Web Expenses *	Tech Services & Travel *	EQUIPMENT
Start-up	300,000.00  50,000 square foot green house with Solar PV, Solar Thermal, and Geothermal	150,000.00  (5) Full time Employees at 15.00 per hour	50,000.00  Fisheries Consultant	500,000.00  One time investment. For tanks pumps, and (RAS) recirculation aquaculture system
YEAR ONE PAYOUTS	INVESTOR	BREELOVE	IMAGO GREEN	OPERATING/ GROWTH FUND
1,500,000.00	400,000.00	400,000.00	200,000.00	500,000.00  150k staff 50k consultant 300k expansion x2

500,000.00 (500,000 LBS OF TILAPIA AT \$1.00 PER LB)  
 + 1,000,000.00 (2,000,000 LBS OF VETABLES AT \$0.50 PER LB)  
 1,500,000.00





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500,000.00 per INITIAL Budget	BUILDING	Staff/ Web Expenses *	Tech Services & Travel *	EQUIPMENT
Year Two Expansion	50,000  BUILDING SYSTEM ADDITIONS	150,000.00  (5) Full time Employees at 15.00 per hour	50,000.00  Fisheries Consultant	300,000.00  More equipment to expand to double production
YEAR TWO PAYOUTS	INVESTOR	BREELOVE	IMAGO GREEN	OPERATING/ GROWTH FUND
1,500,000.00	400,000.00	400,000.00	200,000.00	500,000.00  150k staff 50k consultant 300k expansion x2

500,000.00 (500,000 LBS OF TILAPIA AT \$1.00 PER LB)  
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500,000.00 per INITIAL Budget	BUILDING	Staff/ Web Expenses *	Tech Services & Travel *	EQUIPMENT
Year Three Expansion Finalization	50,000  BUILDING SYSTEM ADDITIONS (F)	150,000.00  (5) Full time Employees at 15.00 per hour	50,000.00  Fisheries Consultant	300,000.00  More equipment to expand to double production (FINAL)
YEAR THREE PAYOUTS	INVESTOR	BREELOVE	IMAGO GREEN	OPERATING/ GROWTH FUND
1,500,000.00	400,000.00  <b>20% ROI</b>	400,000.00	200,000.00	500,000.00  300k staff 100k consultant 100k BLDG/EP (M)

500,000.00 (500,000 LBS OF TILAPIA AT \$1.00 PER LB)  
 + 1,000,000.00 (2,000,000 LBS OF VETABLES AT \$0.50 PER LB)  
 1,500,000.00





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500,000.00 per INITIAL Budget	BUILDING	Staff/ Web Expenses *	Tech Services & Travel *	EQUIPMENT
Year Four Double Capacity	50,000  BUILDING SYSTEM Maintenance	300,000.00  (10) Full time Employees at 15.00 per hour	100,000.00  Fisheries Consultant	50,000.00  Equipment Maintenance and Repair
YEAR Four PAYOUTS	INVESTOR	BREELOVE	IMAGO GREEN	OPERATING/ GROWTH FUND
3,000,000.00	800,000.00  <b>100% ROI</b>	800,000.00	400,000.00	1,000,000.00  500k Initial Budget 500k New Site

1,000,000.00 (1,000,000 LBS OF TILAPIA AT \$1.00 PER LB)  
 + 2,000,000.00 (2,000,000 LBS OF VETABLES AT \$0.50 PER LB)  
 3,000,000.00





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500,000.00 per INITIAL Budget	BUILDING	Staff/ Web Expenses *	Tech Services & Travel *	EQUIPMENT
Year Five New Site (1M)	50,000  BUILDING SYSTEM Maintenance	300,000.00  (10) Full time Employees at 15.00 per hour	100,000.00  Fisheries Consultant	50,000.00  Equipment Maintenance and Repair
YEAR Five PAYOUTS	INVESTOR	BREELOVE	IMAGO GREEN	OPERATING/ GROWTH FUND
3,000,000.00	800,000.00  <b>180% ROI &amp; 2ND FARM FUNDED</b>	800,000.00	400,000.00	1,000,000.00  500k Initial Budget 500k New Site Final

1,000,000.00 (1,000,000 LBS OF TILAPIA AT \$1.00 PER LB)  
 + 2,000,000.00 (2,000,000 LBS OF VETABLES AT \$0.50 PER LB)  
 3,000,000.00





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IMAGO GREEN, LLC IS A WIA APPROVED  
WORKFORCE TRAINING PROVIDER.



BY PARTNERING WITH ECONOMIC DEVELOPMENT AND LOCAL FARMERS STUDENTS CAN GAIN ACCESS TO HANDS-ON TRAINING WITHIN REAL APPLICATIONS THROUGH WORKFORCE INVESTMENT ACT (WIA). IMAGO GREEN CAN ALSO ASSIST IN DEVELOPING A GREEN JOBS HANDS-ON LAB AT THE FISH FARMING SITE TO TEACH AQUACULTURE AND HYDROPONICS TO PEOPLE INTERESTED IN FISH FARMING.

VOCATIONAL TRAINING WITH HANDS-ON EXERCISE IS THE BEST WAY FOR MOST STUDENTS TO LEARN.

HANDS-ON  
GREEN TRAINING





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FOR ADDITIONAL INFORMATION

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