

HOSPITAL SHIP PROJECT

CLIMATE – RELATED DISASTER IMPACTS HEALTH IN ASIA

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EXECUTIVE SUMMARY

This project is the vehicle by which we address the natural disasters in areas in the Philippines and Southeast Asia.

Disasters are a constant threat: 354 in 2008 (399 in 2000-2007), killing 235,284 people, affecting 214 million and claiming US\$ 100 billion economic damage. What is difficult and unrealized is reaching and responding during disasters.

This hospital ship is a converted carrier ship to respond promptly and provide basic healthcare with the latest technology, forming local and global partnership with same-minded, cause-oriented organizations.

The strategy is to acquire and convert a US Naval aircraft carrier which otherwise will be sunk, sold as scrap metal or converted into a museum. Hydrogen fuel will be used to reduce the ship's fuel operating expense by 30%.

From one nation to another, bureaucratic red tapes in government custom duties will be by-passed, as well as overcome other government drawbacks.

The total Asian population of three billion, the total affected by disasters is 214 million Asians, equivalent to 7.1%. Of these affected 214 million Asians, people killed totaled 235,000 equivalent to 0.11%. The hospital ship will address those 214 million people affected in Asia.

An intermediate step is to acquire a small catamaran / trimaran ship to gain the experience for the team, in preparation for the larger ship which will take 3 years to convert.

ENE

The REVENUE – COST PROJECTIONS

- Year 2010 to 2012 US\$ 200 M conversion
- Year 2013 starts registering positive revenues for the next 5 years till 2017

The intermediate small catamaran ship needs US\$2M and will increase to 10 ships which will be stationed to 10 local regions of the country.

The team is made up of skilled professionals, medical doctors, nurses, marine engineers, administrators, pastors, lawyers, businessmen and accountants.

The organization, Universal Touch of Life Medical Foundation (UTOL), welcomes one and all, their approval, assistance and support to contribute to achieve its goals and objectives.

HOSPITAL SHIP PROJECT CLIMATE – RELATED DISASTER IMPACTS HEALTH IN ASIA

BACKGROUND & RATIONALE

Natural disasters are a constant threat

- 354 natural disasters in 2008, more than the 399 total for years 2000-2007
- 235,284 people killed
- 214 million affected people
- USD\$ 100 billion economic damage

The most affected continent is Asia with 8 of the top 10 countries with the highest number of disease related deaths.

By 2015, an average of over 374 million people per year are likely to be affected, 50% more than the average number of people affected in average year during the last 10 years.

The Philippines, like several Asian countries is located in the Pacific "ring of fire" with risk of volcanic eruptions, earthquakes and tsunamis.

- Typhoons occur at an average of 22 times per year, bringing floods and landslides, damaging crops, tremendous loss of life and property.
- 8.5 million people affected, or 9,625 people per 100,000 with 1.1 killed per 100,000 in 2008

The recent outbreak of Influenza A H1N1 virus (Swine flu) with pandemic proportions (Phase 5-6) and the previous epidemic & highly pathogenic H5N1 avian flu with a pandemic potential is alarming. Millions affected, many countries, Philippines included, do not have sufficient resources or the expertise to detect and respond to outbreaks independently. Various nations lack the robust public health & communications infrastructure, pandemic preparedness plans and proven logistic capabilities. What is difficult and unrealized during disasters is reaching and responding to the needs of the many islands of the Philippines and Asia in general. Faced with this limiting reality, solutions must be arrived at.

The US Navy has made use of the aircraft carriers to respond to disasters (e.g. Cyclone Katrina, Leyte Mudslide in 2006). Retired US Navy carriers are converted into hospital ships. Otherwise, these ships were typically converted into museums, sunk in the ocean as artificial reef, sold as scrap metal or auctioned/donated.

Presently, ready volunteers can be tapped in the Philippines.

- 1700 medical students graduates each year
- 400,000 licensed nurses are unemployed

• 30% of the Marine Engineers manning the world's ships come from the Philippines

Medical & relief goods can be transported with ease in the ship. It will also be used as a training school for nurses, caregivers, marine crews, medical tourism, culinary arts, seminars and convention during disaster free times.

Efficient energy usage will significantly cut the cost and pollution by 30% with the conversion of hydrogen fuel by Northrop Grumman or any US Naval shipyard. Conversion of the retired aircraft carrier into a hospital ship and into operation takes 3-6 years.

The project will undertake a pilot catamaran / trimaran hospital ship program as an intermediate step, for 1 to 10 ships, towards preparing the team. The first ship will directly impact 60,000 families living along the Pasig River in Manila. The rest of the ships will be located in Luzon, Visayas & Mindanao.

A cost -benefit analysis of US\$ 67 per patient per year was projected for the \$USD 2 million ship.

Universal Touch of Life Medical Foundation ("UTOL" which incidentally is a colloquial term for "brother") was established and organized to facilitate, mobilize and provide aid to disaster ridden areas in the country. It was through a personal burden of a medical doctor earlier on in his profession that this ambitious endeavor was realized. The vision is to mobilize Filipino medical professionals to serve the needs of poor people across Southeast Asia and share the love of God to them. In his 15 years of medical practice, he had served several humanitarian disaster missions in the country and saw the great need to address the situation. With limited resources beyond faithful volunteer doctors and nurses, the foundation was born and has reached thousands of people with medical needs in several areas of the country and the southeast Asian nation.

GOALS AND OBJECTIVES

- 1. Prompt response to disasters, natural and human-cause, within the Philippines and Southeast Asia to;
 - Save lives
 - Alleviate human suffering
 - > Reduce economic damage
- 2. To convert these naval carrier ships into floating hospitals to deliver basic services to war-torn areas, a haven to extremist, and combat Islamic agitations.
- Basic healthcare with the latest technology is brought in to many communities in the Philippines and Southeast Asia, forming local & global partnerships with same minded, cause-oriented organizations e.g. USAID, WHO, CMDA (Christian Medical & Dental Association), Christian Military Fellowship, International Aid, Mercy Ship (NGO), Philippine Marines (Reserved PN) 3rd Technical Service Battalion, AFP

STRATEGY

1. Salvage any of the retired US Naval aircraft carrier (e.g. USS Kitty Hawk retired January 31, 2009). These warships are sunk, sold for scrap metal, or converted into museums (USS

Constellation retired since 2003)

- 2. Ships will undergo repair and maintenance at a US shipyard like Northrop Grumman or Portsmouth in Virginia.
- 3. To help deliver basic services to Southern part of the Philippines where there's social and economic unrest and haven to extremist.
- 4. Bring the latest technology, from one nation to another, bypassing bureaucratic red tapes of government, customs, and other government drawbacks
- 5. Acquire a catamaran / trimaran ship as an intermediate step, test the skills of the team and eventually gain the necessary experience for the larger hospital ship

PROJECT DESIGN AND IMPLEMENTATION PLAN:

At times of disaster, impacts and losses can be substantially reduced if authorities, individuals and communities in hazard prone areas are well prepared and are equipped with the knowledge and capacities for effective disaster preparedness and response.

Indicator 1

Strong policy, technical and institutional capacities and mechanisms for disaster risk management, with a disaster risk reduction perspective.

Indicator 2

Disaster preparedness plans and contingency plans are in place at all administrative levels, and regular training drills and rehearsals are held to test and develop disaster response programs.

Indicator 3

Financial reserves and contingency mechanisms to support effective response and recovery when required

Indicator 4

Procedures are present to exchange relevant information during hazard events and disasters, and to undertake post-event reviews.

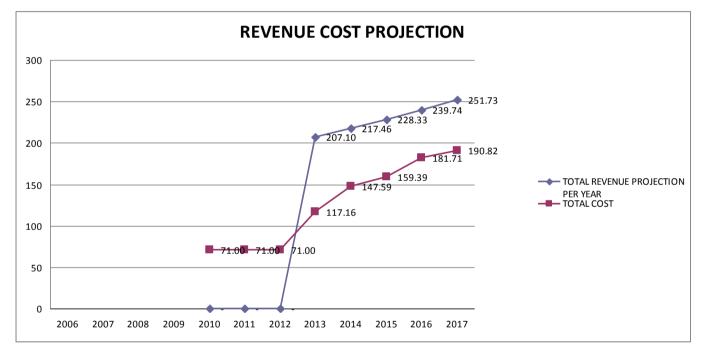
Impact of the program in Pasig river, Manila of \$USD 2 million will benefit a target population 60,000 families living along the river.

A consultation of 100 patients per day x 365 days will serve at least 36,000 patients per year. At a cost of USD \$ 67 patient per year, the pilot project will be duplicated in several provinces of the country in succeeding years to a total of 10 catamaran / trimaran hospital ship that would service the under served locations in Luzon, Visayas & Mindanao.

This will be in preparation for the implementation of the mother ship, a retired US Navy carrier that will create a big impact in disaster prone countries like the Philippines and other Southeast Asian countries.

BUDGET:

UTOL HOSPITAL SHIP PROJECT								
SUMMARY OF BUDGET								
IN USD Dollars (in millions)								
	2010	2011	2012	2013	2014	2015	2016	2017
TOTAL REVENUE PROJECTION	-	-	-	207.10	217.46	228.33	239.74	251.73
TOTAL PROJECTED OPERATING COST				117.16	147.59	159.39	181.71	190.82
AMORTIZATION - ACQUISITION / CONVERSION	71	71	71					
TOTAL COST	71.00	71.00	71.00	117.16	147.59	159.39	181.71	190.82
NET PRJOJECTED REVENUES	(71.00)	(71.00)	(71.00)	89.94	69.87	68.93	58.04	60.91



		tal Ship Project	_	
		es of Revenues	5	
	PARTICULARS	3		AMOUNT (in USD)
1	Medical Tourism			
	Estimated income for all services			1,000,000.00
	1000 patients x USD1000			
2	Hotel Services			
	Income from Rooms rental (patients and tourists) 35,000 patients			3,500,000.00
	Income from conventions			2,000,000.00
3	Culinary			
	1000 students at USD 1000 / stude		1,000,000.00	
4	Maritime School			
	20 courses X 1000 students @ US	D 600		12,000,000.00
5	Medical Services (for paying patients))		187,600,000.00
	number of patients per year	70000		
	TOTAL REVENUE			<u>USD 207,100,000.00</u>
	BREAKDOWN	I OF PAYING I	PATIENTS	•
	TYPES OF DISEASES	Number of Patients	Cost	Total
	Heart diseases (18%)	12600		
	Heart Surgeries	6,300	5,000.00	31,500,000.00

6,300

9,800

7,000

40,600

70,000

6,300,000.00

39,200,000.00

70,000,000.00

40,600,000.00

USD 187,600,000.00

1,000.00

4,000.00

10,000.00

1,000.00

Other cases

Others(58%)

TOTAL

Vascular System (14%)

Malignant Neoplasm (10%)

MONITORING AND EVALUATION:

1. Focused group interviews

Focused interviews for all the phases of development activities - planning, implementation, monitoring and evaluation.

2. Planning, Organization, Controlling, & Monitoring

- Looking ahead to prepare, tools, strategic plans, business plan, activity plans, budgets, workplans, cash flow forecast, feasibility
- Make clear what activities and responsiveness are to be undertaken, when and by whom, utilizing constitution, organization charts, flow diagrams, job description, chart of accounts, financial manual budgets, etc.
- Controls, Checks and balances, budgets, delegated activity, procurement procedures, reconciliation, internal & external audits, fixed assets register, vehicle policy, insurance etc.
- Produce regular & timely information, comparing actual vs. plans, to evaluate plans, identify weak areas to take corrective action required using evaluation reports, budget cash flow reports, financial statements, project report, audit report & evaluation reports.

3. Technical/Program Functions

Service delivery system, program planning, program monitoring and evaluation

4. Structure and Culture

• Organizational identity, vision & purpose, leadership capacity & style, organizational values, governance approach, external relations MED

5. Cross-organizational Comparisons

- Measures & Assessment
- Data collected through group discussion and individual questionnaires given to a crosssection of the organization staff.

6. Organizational Capacity:

- Governance:
 - ⇒ Board of trustee & partners profiles: Appendix H

• Management Practice

⇒ Organization structure, administration procedures, personnel, program development & reporting

Human Resources

⇒ Staff roles, work organization, salary & benefits

• Financial Resources

⇒ Accounting, budgeting, financial/ inventory controls, financial reporting

- Service Delivery
 - ⇒ Impact assessment
- External Relations
 - ⇒ Inter-NGO collaborations, local resources, media
- Sustainability
 - ⇒ Program/ benefit sustainability, organizational sustainability, financial sustainability,

Selected Indicators:

- ⇒ Every person can state the mission and vision in his or her own words
- ⇒ There is a yearly or a six-month plan, checked monthly

POF

⇒ Operations/activities are within the vision, mission, and goal of the organization

Appendix: A

SUMMARY 2008 Natural disasters

	2008	2000-2007 Yearly average
No. of country-level disasters	354	397
No. of countries affected	120	118
No. of people killed	235,264	66,813
No. of people affected	214 million	231 million
Economic damages (US\$)	190 billion	81.8 billion

Appendix: B

HUMAN IMPACT IN 2008 10 most affected countries

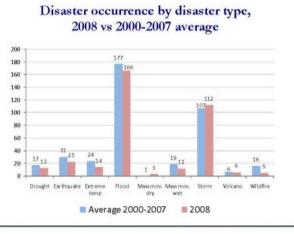
NUMBER OF PEOPLE KILLED		NO. OF PEOPLE KILLED /100,00 INHABITANTS		
Myanmar	138,366	Myanmar	283.6	
China P. Rep	88,450	Turks & Caicos Is.	17.9	
India	1,808	Angola	11.6	
Afghanistan	1,317	Haïti	7.3	
Philippines	959	China P. Rep.	6.7	
Haiti	698	Afghanistan	4.2	
Viet Nam	411	Belize	2.6	
United States	303	Mongolia	2.0	
Pakistan	249	Kyrgyzstan	1.4	
Brazil	203	Philippines	1.1	

Appendix: C

Number of People Affected

NO. OF PEOPLE AFFECTED		NO. OF PEOPLE AFFECTED/ 100,000 INHABITANTS		
China P. Rep	133.3	Tajikistan	41,543	
India	14.0	Djibouti	40,817	
United States	13.4	Somalia	38,547	
Thailand	11.6	Antigua&Barbuda	38,393	
Philippines	8.5	Eritrea	35,111	
Ethiopia	6.5	Thailand	18,131	
Somalia	3.4	Belize	15,789	
Tajikistan	2.8	Guyana	13,540	
Myanmar	2.4	China P. Rep.	10,097	
Brazil	1.8	Philippines	9,625	

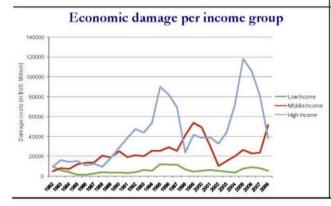
Appendix: D

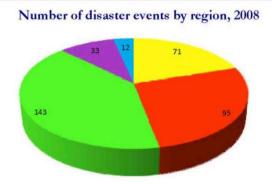


2008 DISASTER DATA

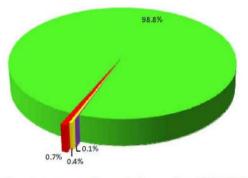
Major earthquakes in Asia since 1989

Country name	Event	Year	No. killed	Richter
China P. Rep.	Earthquake	2008	87,476	8.0
Pakistan	Earthquake	2005	73,338	7.6
Indonesia	Tsunami	2004	165,708	9.3
Sri Lanka	Tsunami	2004	35,399	9.3
India	Tsunami	2004	16,389	9.3
Iran Islam Rep.	Earthquake	2003	26,796	6.6
India	Earthquake	2001	20,005	7.7
Turkey	Earthquake	1999	17,127	7.4
Iran Islam Rep.	Earthquake	1990	40,000	7.3

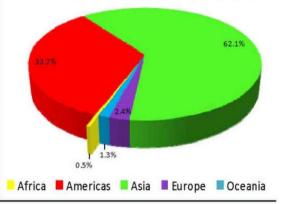




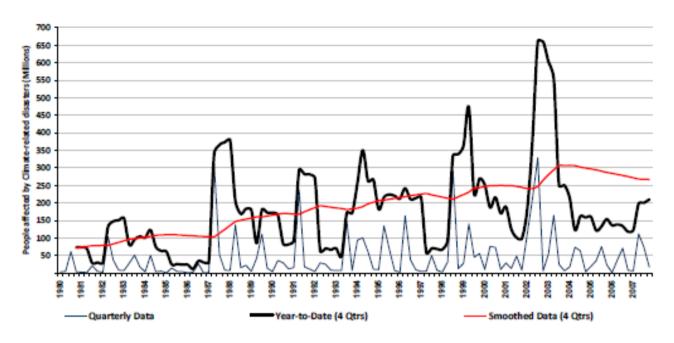
Disaster mortality by region (%) 2008





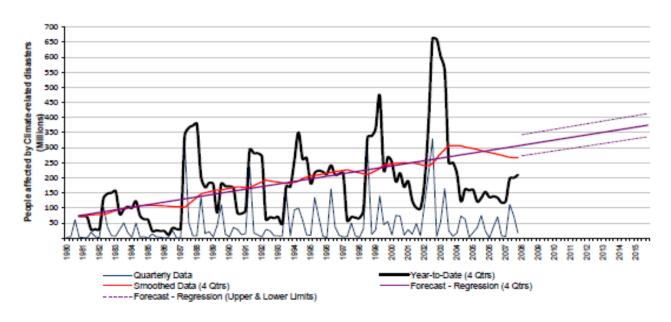


Appendix: E



FORECASTING THE NUMBERS OF <u>PEOPLE AFFECTED ANNUALLY BY CLIMATE-</u> <u>RELATED DISASTERS OF 1980-2007</u>

PEOPLE AFFECTED BY CLIMATE-RELATED DISASTERS <u>1980-2007(MILLIONS) WITH</u> FORECAST TO 2015



Source: CRED EM-DAT Global natural disaster occurrence and impact: 1980-2007.

Notes: Year-to-date (4 Qtrs) shows the sum of four consecutive quarters. Events with unknown starting months are averaged over four quarters. Smoothed trend series estimated using Double Exponential Smoothing (with a smoothing weight equivalent to using 112 quarters). Linear regression forecast model is based on smoothed data. 95% upper and lower confidence intervals for the regression forecast are shown.

Source: CRED EM-DAT Global natural disaster occurrence and impact: 1980–2007. Notes: Year-to-date (4 Qtrs) shows the sum of four consecutive quarters. Events with unknown starting month are averaged over four quarters. Smoothed trend series estimated using Double Exponential Smoothing (with a smoothing weight equivalent to using 112 quarters).

DISASTERS IN THE PH	HILIPPINES 2007
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TOP 5 DISASTERS IN TERMS OF AFFECTED POPULATION 2007							
	_	Total Affected					
Disasters	Frequency	Families	Persons				
Tropical Cyclone	13	890,629	3,027,226				
Flood	24	107,684	504,365				
Armed Conflict	26	39,057	209,652				
Drought	2	41,240	197,827				
Fire	138	22,426	112,716				
GRAND TOTAL	203	1,101,038	4,051,786				

Source: Department of Health

Appendix: G

10 LEADING CAUSES OF MORBIDITY & MORTALITY

Projected life expectancy	2005-10	2010-15	2015-20
at birth (in years) ¹			
Male	66.11	67.61	68.81
Female	71.64	73.14	74.34
Ten leading causes of death ²	2002	2003	2004
Diseases of the heart	70,223	67,696	70,861
Cerebrovascular diseases	40,515	31,468	43,077
Malignant neoplasms	38,821	39,298	40,524
Pneumonia	34,218	32,055	32,098
Tuberculosis	28,507	26,771	25,870
Chronic lower respiratory			
diseases	19,320	18,905	18,975
Diabetes mellitus	13,922	14,196	16,552
Certain conditions originating			
in perinatal period	14,209	14,122	13,180
Assault	13,267	13,096	12,646
Nephritis, nephrotic syndrome,			
and nephrosis	a	9,551	10,254
Accidents (unintentional injuries)	14,218	a	
Leading causes of morbidity	2004		2000
Leading causes of morbidity	2004	2005	2008
Pneumonia	776,562	690,566	670,231
Pneumonia Diarrheal diseases	776,562 577,118	690,566 603,287	670,231 572,259
Pneumonia Diarrheal diseases Bronchitis	776,562 577,118 719,982	690,566 603,287 616,041	670,231 572,259 538,990
Pneumonia Diarrheal diseases Bronchitis Hypertension	776,562 577,118 719,982 342,284	690,566 603,287 616,041 382,662	670,231 572,259 538,990 408,460
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza	776,562 577,118 719,982 342,284 379,910	690,566 603,287 616,041 382,662 406,237	670,231 572,259 538,990 408,460 339,881
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>)	776,562 577,118 719,982 342,284 379,910 103,214	690,566 603,287 616,041 382,662 406,237 114,360	670,231 572,259 538,990 408,460 339,881 132,729
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>) Diseases of the heart	776,562 577,118 719,982 342,284 379,910 103,214 37,092	690,566 603,287 616,041 382,662 406,237 114,360 43,898	670,231 572,259 538,990 408,460 339,881 132,729 38,482
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>) Diseases of the heart Malaria	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>) Diseases of the heart Malaria Chickenpox	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>) Diseases of the heart Malaria	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>) Diseases of the heart Malaria Chickenpox Dengue fever	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>) Diseases of the heart Malaria Chickenpox Dengue fever	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (<i>all forms</i>) Diseases of the heart Malaria Chickenpox Dengue fever	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779 15,838	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063 20,107	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326 15,279
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (all forms) Diseases of the heart Malaria Chickenpox Dengue fever Leading oauses of infant deaths of infant deaths ²	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779 15,838	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063 20,107	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326 15,279 2004
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (all forms) Diseases of the heart Malaria Chickenpox Dengue fever Leading causes of infant deaths of infant deaths ² All causes	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779 15,838	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063 20,107	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326 15,279 2004
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (all forms) Diseases of the heart Malaria Chickenpox Dengue fever Leading causes of infant deaths of infant deaths ² All causes Certain conditions originating	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779 15,838 <u>2002</u> 23,778	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063 20,107 2003 22,844	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326 15,279 <u>2004</u> 22,557
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (all forms) Diseases of the heart Malaria Chickenpox Dengue fever Leading causes of infant deaths of infant deaths ² All causes Certain conditions originating in the perinatal period	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779 15,838 <u>2002</u> 23,778 10,181	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063 20,107 <u>2003</u> 22,844 9,695	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326 15,279 2004 22,557 13,167
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (all forms) Diseases of the heart Malaria Chickenpox Dengue fever Leading oauses of infant deaths of infant deaths ² All causes Certain conditions originating In the perinatal period Congenital anomalies	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779 15,838 <u>2002</u> 23,778 10,181 1,123	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063 20,107 <u>2003</u> 22,844 9,695 1,127	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326 15,279 2004 22,557 13,167 3,126
Pneumonia Diarrheal diseases Bronchitis Hypertension Influenza Tuberculosis (all forms) Diseases of the heart Malaria Chickenpox Dengue fever Leading causes of infant deaths of infant deaths ² All causes Certain conditions originating in the perinatal period Congenital anomalies Pneumonia	776,562 577,118 719,982 342,284 379,910 103,214 37,092 19,894 46,779 15,838 <u>2002</u> 23,778 10,181 1,123	690,566 603,287 616,041 382,662 406,237 114,360 43,898 36,090 30,063 20,107 20,03 20,107 2003 22,844 9,695 1,127	670,231 572,259 538,990 408,460 339,881 132,729 38,482 22,284 18,326 15,279 2004 22,557 13,167 3,126

Sources: NSO, Family Planning Survey, National Demographic and Health Survey, DOH, PRC, DSWD, GSIS, SSS, and HDMF Continued

Appendix: H

REGISTERED HEALTH PROFESSIONALS

			Continued
Leading causes of infant deaths			
of Infant deaths ²	2002	2003	2004
Symptoms, signs, and abnormal			
clinical and laboratory findings,			
not elsewhere classified	356	340	768
Meningitis	402	421	366
Septicemia	437	374	250
Other diseases of nervous			
system	140	131	204
Other protein-calorie			
mainutrition	252	2:16	160
Measles	417	335	136
All other causes	6,568	4,617	1,526
Registered health professionals	2004	2005	2008
Dentist	1,039	977	859
Medical technologist	1,558	1,759	1,583
Medical laboratory technician	96	84	118
Midwife	1,818	2,102	2,555
Nurse	10,013	18,090	30,423
Nutritionist/dietitian	280	261	279
Optometrist	55	76	184
Pharmacist	1,631	1,582	1,265
Physician	2,168	2,559	2,593
Physical therapist	1,143	1,063	999
Occupational therapist	157	1.27	121
Radiologic technologist	253	311	267
X-ray technologist	59	67	56
Barangay health faoilities	15,099	15,436	16,191
Total health expenditure	2003	2004	2005
At current prices (MP)	147,683	165,295	180,772
At constant 1985 prices (MP)	38,615	41,278	43,206
Per capita health expenditure (P)			
At current prices (MP)	1,804	1,978	2,120
At constant 1965 prices (MP)	472	494	507
Share of health expenditure to:			
Gross domestic product (%)	3.4	3.4	3.3
Gross national product (%)	3.2	3.1	3.1
			Continued

Continued

Sources: NSO, Family Planning Survey, National Demographic and Health Survey, DOH, PRC, DSWD, GSIS, SSS, and HDMF

Appendix I

PRIVATE & PUBLIC HEALTH FACILITIES

	2004	2005	2006
Hospitals	1.725	1,754	1,771
Public	657	6.94	703
Private	1,068	1,060	1,068
Bed capacity	82,775	89,885	92,070
Public	41,933	47,025	47,774
Private	40,842	42,860	44,296
Bed-population ratio			
(per 10,000 population)	10.9	10.4	11.0
Contraceptive prevalence rate (%) ²			
Any method	48.9	49.3	49.3
Modern method	33.4	35.1	36.0
Traditional method	15.5	14.2	13.2
No method	51.1	50.7	50.7
Household population	1990	1995	2000
By type of disability	636,999	919.292	942,098
Low vision		313,427	352,398
Oral defect/speech impairment	50 656	38.342	50,862
Partial blindness	63,276	79.193	76,731
Mentally III	46.515	38,765	67,294
Mentally retarded	60,024	55,041	66,113
Quadripleoic	30.072	58,446	55,889
Hard of hearing	65 369	69.570	44,725
Others	321,087	266,508	228,086
Clients served by DSWD	2004	2005 ^p	2008 ^p
Families	63,691	1.387.260	1.838.891
Women	5,559	5,440	174,422
Children	81,777	139,513	65,611
Youth	5.091	6.359	5.519
Disabled	10.316	8.012	5.388
Older persons	2,228	2,260	3,065
Membership, contributions,	2004	2005	2006
and social security benefits			<u></u>
0.818			
Membership (M)	1.33	1.37	1.37
Contributions (MP)	45 905		
Benefits (MP)	24,163	-	
and the second s			-
			Continued

Sources: NSO, Family Planning Survey, National Demographic and Health Survey, DOH, PRC, DSWD, GSIS, SSS, and HDMF

TRUSTEES PROFILES & PARTNERS/ CONSULTANTS

UTOL MEDICAL FOUNDATION ORGANIZATION

- MANUEL S. STA. ROMANA JR., M.D. Chairman and President; Practicing Physician for 16 years; Founding Member; 10 years in Medical Mission; Christian Medical and Dental Mission (Bristol, Tennessee, USA) since 2006; Family Medicine & Internal Medicine, Licensed Medical Doctor & Medical Technologist, Graduate of De La Salle University College of Medicine, Commissioned as Reserved Major Officer, 3rd Battalion Technical Service Reserve (PN) Philippine Marines, Armed Forces of the Philippines. American Military University, Master in Emergency Disaster Management starting February 2013. FEMA (Federal Emergency Disaster Management) disaster management training 2012. President/chairman UTOL USA
- EDITHA MIGUEL, M.D. Infectious and Tropical diseases, Occupational Health Hazards, • University of the Philippines; Program Development and Management, Asian Institute of Management, Master Planning Workshop, Singapore; 30 years practicing Doctor; U.N. Awardee for Agape Rural Program providing health service for 60,000 and more, 4,000 community leaders; Founder and Executive Director Agape Rural Program(ARP), Medical Professor, University of the Philippines; Coordinator for Tsunami affected families; Community based Malaria Control Project, Indonesia 2003; Trainer: Community Based Health & Development Seminar: for Global Hope Network International, Florida USA; Yearly China Medical projects; Medical Mission Hall Of Fame Inductee, Medical University Toledo, Ohio; Bayaning Pilipino Individual Category National Awardee, Gawad Geny Lopez Jr., ABS-CBN; Palawan Governors' Award; WHO Sasakawa Health Prize for Innovative Work in Health and Development 2006: Centennial Award for Community Service: University of the Philippines, College of Medicine; Heroes for Health Award- Pfizer Philippines- Department Of Health(DOH); Superior Performance Award- Program for Development Managers: Asian Institute of Management; HAMIS-DOH Silver Award for Alayka Palawan, Book, Co-authored for Malaria Control. Chairperson, Board of Directors, Pangkalusugan Kooperatiba ng Palawan- Health Cooperative providing cost effective drugs and diagnostic services to poor patients, Medical Mission Hall Of Fame Inductee, April, Medical University Toledo, Ohio 2008, Centennial Award for Community Service, University of the Philippines, College of Medicine, Heroes for Health Award- Pfizer Philippines- Department Of Health(DOH), Co-author of several Malaria researches: Drug efficacy, Behaviour and attitudes, Effectiveness of Olyset Nets in the control of malaria, community based malaria strategy, Presented paper on Community Based Malaria Control in Kunming, China at the Regional Forum for Social Science and Health. Former Consultant Trustee
- EVELYN CORTEZ, M.D. Ophthalmologist; Exchange Student at the Odense University Hospital (Odense Amts Og Bys Sygehus), Odense, Denmark, 1963-1964; Rotating Internship
 – Greater Baltimore Medical Center (GBMC), Baltimore, Maryland, USA, 1966-1967; Lancaster Basic Course in Ophthalmology, Waterville, Maine, USA (given by the Massachusetts Eye and Ear Infirmary), July-September, 1968, Fellow, Philippine Eye Research Institute (now the Institute of Ophthalmology); University of the Philippines, Philippine General Hospital Medical Center; Clinical Instructor, Department of Ophthalmology
 Manila Central University (MCU) Hospital, UP-PGH Medical Center; Research Institute; Active Consultant – Cardinal Santos Medical Center and St. Luke's Medical Center;

Chairperson, National Action Team of the Philippine Healthcare Christian Fellowship, January 2007-March 2008. Mission Director 2011, Trustee 2012

- WONG KOK SENG (DAVID), M.D. Medical Director, Pfizer 12 years (Malaysia, Singapore & Brunei); Previous Medical Director of Glaxo-Wellcome Malaysia/Brunei; Lecturer in Clinical Sciences Clinical Sciences / International Medical University Malaysia; Medical Officer Primary Care / University of Malaya Hospital / Malaysia; House Officer Mansfield General Hospital / UK; Director of Medicine, University Nottingham, United Kingdom; Master of Medicine (Family Medicine) University Malaya / Malaysia; Licensed Physician UK and Malaya, House Officer, Mansfield General Hospital, UK, B.Med. Sci. University of Nottingham, 1981, Bachelor of Medicine & Surgery, University of Nottingham, 1983 UK. Consultant
- PETER MALVICINI, PhD. Cornell University Ithaca, New York, 20 years Management Consulting and Leadership Development experience in Asia, Africa, & Latin America including the Philippines, Thailand, Indonesia, India, Nepal, Viet Nam, Laos, Cambodia, Uganda, Botswana, Honduras, Peru, Ecuador, Mexico, and Haiti; HSAI Raintree Hospitality Management, Strategic Planning Facilitator, Executive Development; World Bank Group-Washington, DC USA, Institutional Capacity Expert; Asian Development Bank - Manila, Philippines Change Management and Organizational Development Expert Capacity Development Specialist Account Representative Woodruff & Seel Associates - Washington, D.C.; Coordinator, Cornell Participatory Action Research Network; University Teaching Leading and Managing Change, Organizational Development, Training for Transformation, Action Research Theory and Practice Contemporary Evaluation Methods, Comparative Research Methods, Policy Analysis Community and Rural Development, Management of Social Development Community-Based Education and Development, Undergraduate Teaching Applications of Microcomputers and Related Technologies, Fulbright scholarship M.S., May 1995, Wheaton College Graduate School, Illinois, M.A. 1988, Northeastern College, New Jersey, B.A. Magna cum Laude, 1986. Washington community Fellowship-Capitol Hill, Washington, D.C., Coordinator, Cornell Participatory action research network, Researcher Cornell. Consultant
- RAMON GARGANTOS, JR. Financial Consultant / Adviser and Real Estate Broker, Financial Consultant / Adviser and Real Estate Broker, Mighty Dove Properties, AG&S Development Corporation Chief Executive Officer, International Trading. Consultant
- FIDELINO ASINAS, CPA Director/Auditor, Association of Bank Compliance Officers of the Philippines; Vice President and Internal Auditor Equitable Banking Corporation, Semi-senior Auditor, Sycip, Gorres, Velayo and Co. B.S. Business Administration, Magna Cum Laude. One of the Top Outstanding Graduates for 1969, Director/Auditor, Association of Bank Compliance Officers of the Philippines, Partner, R. M. Mangay-ayam, Singson, Lim & Co., CPA, Vice President, EDP Division, Allied Banking corp., Asst. Vice President, Internal Audit Dept., Allied Banking Corp, Bank's Compliance System and Good Governance, Conducted by Bangko Sentral ng Pilipinas, 1998 & 2000, Auditing Capital Market Instruments, Euromoney Institute of Finance, Hongkong,1996. Former Trustee

- EDITHA ZULUETA, M.D. Pediatrician; Medical Director, Jesus Immaculate Hospital 1972 to date; Private Hospital Association of the Philippines, founding member and former Treasurer, Life-time member Philippine Medical Association, Marikina Valley Medical Society. Former Trustee
- **ENGR. ROMUALDO CHAVEZ, JR.** AVEC Construction, Engineering Consultant 1999 to date, • HP Chan Construction, Structural Engineer Consultant 1998- present, B.S. Civil Engineering, Far Eastern University, Manila, Magna Cum Laude 1980; University of the Philippines, Curtis University of Technology, Perth Western Australia, Master of Science in Civil Engineering, Major in Structures. Master of Science in Civil Engineering, Major in Structures Asian Institute of Technology, Bangkok Thailand, Ferrocement Technology 1991, Ateneo De Manila University, Graduate of Business School, Makati City, Construction Project Management 1985, Civil Engineering Board Examination, Board topnotcher, Fluor Daniel Inc. Phil., Petrochemical projects/Principal Design Engr. 2001, Member ACECOMS (Asian Center for Engineering Computation & Software), Asian Institute of Technology, Thailand, Founding Member, 1995 to Present, IFS (International Ferrocement Society), Asian Institute of Technology, Thailand Charter Member 1991 to Present, PICE (Philippine Institute of Civil Engineering, Inc. Makati Chapter, Life Member 1981, Authors of several papers prepared & presented, Church affiliation – Jesus is Lord Church, Department of Science & Technology, Vice Chairman, wide infrastructure Tech. Committee, Department of Science & Technology, Team Leader & Structural Designer, Department of Science & Technology, Project Development Officer, School of Civil Engineering. Curtin University of Technology, Australia. Former Trustee
- JOEL FURIGAY Professor, Philippine Maritime Institute. Marine Engineer. B.S. in Marine Transportation 1994-1996. Ongoing Masteral – Asia Baptist Theological Seminary of Cornerstone University, USA. Outreach Pastor – Veterans Village Outreach Church, Philippines 2006 - present ,Consultant
- FERDINAND IGLESIA EI-Ajou Corporation Service Engineer For Copiers Jeddah, Kingdom of Saudi Arabia-1981-1997; Ministry Jeddah, 1989-1997 Jesus Vibrant Church International Ministries, Head Pastor, Cainta, Rizal, Former Corporate Treasurer
- OSCAR GARCIA, MBA Economist and Financial Consultant; Provides Energy Solutions for Waster Provides Energy Solutions for Waste and Water Management, Power Co-generation; Conducts Business and opportunity seminars; Partner in the Energy Business, Marketing, Constructing and Maintaining Solar, LPG, Electric, Waste Heat Recovery; Philippine Representative for import export financing Swiss Financial Group; President and CEO, Solar Edwards Australia, Hot Water Systems Phils; President & GM, Solahart Philippines (parent company of James Hardie); Sales Manager, International Sales Operations, Asia Pacific USA, HK & Singapore; Sales Manager, Firestore Tire and Rubber Co., Phils. Analyst, Esso Fertilizer and Agriculture Chemicals (now EXXON); Economist, The San Miguel Corporation, Technical Staff Services, Office of the President) Master of Business Administration, MBA, 1967 University of the Philippines, Professor, Graduate School of Business, MBA Program, Jose Rizal University, La Salle University, U.P. Marketing Excellence Award, Asia-Pacific 1985. International Training School, 1985, Ohio, USA, Time Management Course, Singapore Institute of Management, 1982, International Sales and Services Training School, 1974, Ohio, USA,

Effective Supervision Course, Esso International Training, 1969, Manila, Civil Service Eligible – Professional level; Former Trustee

- AGUEDO S. BERNABE, JR., MBA Master of Business Administration/Marketing and • Bachelor of Science/Electrical Finance, West Coast University - Orange, CA, USA; Engineering California State University - Long Beach, CA; Master of Divinity/Bible Melodyland School of Theology – Anaheim, CA; Bachelor of Theological Studies, Vision International University – Ramona, CA; Associate in Arts Degree, Santa Ana College – Santa Ana, CA; Certified Novell Network Administrator, Certified Novell Engineer; California Registered Barber License; California Real Estate Broker License; California Real Estate Appraisal License; ABA Paralegal Certificate; A combination of education and extensive practical experience has resulted in excellent qualifications relating to SALES/MARKETING, DESIGN, ENGINEERING, INFORMATION SYSTEMS and MANAGEMENT. Command excellent organizational, time management and supervisory skills. Aware of the need for quality customer service with the ability to meet client requirements/deadlines. Interface well with clients, staff and management. Ten years of recent experience in the IT industry working primarily as a consultant and network administrator in the legal environment. Prior experience in the aerospace industry spans over a period of 20 years. Former Trustee, USA & Philippines
- ARNOLD R. KLANN. Bluefire Ethanol Chairman / President / CEO; Thirty years of experience in corporate management, project finance, engineering, design, construction, start-up, environmental permitting, and real estate acquisition. Mr. Klann is the Chief Executive Officer for BlueFire Ethanol and Arkenol. As co-founder of both companies, he has been responsible for the successful development or acquisition of over 610 mega watts of natural gas-fired cogeneration facilities, and been the driving force behind the research and development effort leading to the commercialization of the Arkenol technology. Prior to founding ARK Energy, he successfully launched three businesses and managed complex teams for project development and operation. Areas of technical expertise include cogeneration development using natural gas-fired and solid fuels technologies, ocean thermal energy conversion, and offshore oil exploration design and operations. Specializes in frontier technology development. A.A.1972, Lakeland College. Trustee, USA 2012
- JOEL S. LEGASPI, CPA Asst. Accounting Manager, Marubeni Phils. Corp. March 2002-2004/Nov 16, 2006 present; Finance & Administrative Officer, Flying Medical Samaritans 2004 Nov 2006; Finance and Investment Officer/Asst. Manager, All State Life Insurance Co. of the Phils. Inc.1998 2001; Financial Audit Supervisor, Petrochemical Products, Inc. 1996 1998; Senior Audit Trainee/Supervisor, Carlos J. Valdex & Co/Alba & Co.; Auditor from 1993 to 1995 of International Committee of the Red Cross; Responsible for financial and management reporting (Manila and Tokyo). Submission of Finance Statement to Bureau of Internal Revenues and other government agencies (as needed). Plan, develop, monitor and report quarterly and annual budget. Provided accounting system implementation (SAP) and support to other department. In charge of treasury and collection operation. Prepares and review annual budget. Prepare financial forecasting and feasibility for new projects. EDUCATION: Diploma in Christian Ministry -Every Nation Institute Victory Christian Fellowship, 2007; Instructional Manager, Department of Education-Non formal 2006; Diploma in Church Studies Southeast Asian Theological School 2005, Trust Institute Foundation of the Phils. –(1) Year Trust & Investment Course 2000-2001; Ateneo de Manila Graduate

School of Business – MBA units (22 units) 1996-1997; University of Santo Tomas, Manila-Major in Accounting, CPA 1985 – 1990; International Accounting Standards/Phil. Financial Statement Presentation May 2007;former UTOL Accountant. Licensed Accountant Australia 2012

- ZEFERINO G. ARROYO, M.D. Dermatologist, Philippine Dermatological Society, Doctor of • Medicine, UST (University of Santo Thomas) College of Medicine & Surgery, Practicing Physician for 24 years, Makati Medical Center Department of Dermatology- 1993 Osaka Shirakobe Biyogika Aesthetic Plastic Surgery 1987, Bronze Staff Foundation-Founder/Chairman, CCFNI (Christ for the Needy International)-Founder & Chairman, CMS (Christian Medical Specialist) - Chairman of Christian Medical Specialist, CCF Bronze Staff Foundation, CCFNI, AWAN, Board of Directors of Children ministry, Focus on the Family. Chairman & President UTOL Philippine 2012
- **CECIL D. NOBLE -** PhD Candidate, Department of Sociology, University of Hawaii at Manoa; • Master of Development Management, Asian Institute of Management (with Distinction); Master of Education, University of the Philippine, Diliman, Bachelor of Elementary Education, UP Diliman, magna cum laude; First Filipina Everest Team - raised about P300.000 for their climb in 2007 from Senator Migz Zubiri, Washington Sycip, etc. Barangay Officers Foundation of the Philippine – raised P1M from a grant competition – Panibagong Paraan 2005 – World Bank. International Movement of Development Managers - raised P500,000 for a leadership education modules on population and development from Philippine Center for Population and Development (2007). Bantay Kalikasan, ABS-CBN Foundation (1999-2002) – raised funds for reforestation, social fence of La Mesa Watershed Project amounting to P5M from UNDP Global Environmental Fund and Ausaid. Galing Pook Foundation (1999-2000) formerly based at the Asian Institute of Management – raised funds for technical assistance amounting to P14M and P1M endowment fund from Land Bank. Plus managed the investment of the Ford Foundation endowment of \$1M USD. Let's DOH it campaign at the Department of Health (92-95) - raised funds for the production of TV, radio, cinema ads and their placement from Uniliver, Procter & Gamble, Johnson & Johnson, Ajinomoto, Jollibee, Philippine Cancer Society, drug companies, etc. Recently raised small grants for school projects at UH -Cybesociology Forum, Sociology of Disability Forum, etc. Area Studies Specialist -Coherence-based modeling of Culture and Political Violence, Department of Sociology at UH Manoa (May 16, 2008- to date) funded by the US Air Force Office for Scientific Research. Graduate Research Assistant – Center for Disability Studies, UH Manoa – August 1997- May 15, 1998). Program manager for Globalization Lecture Series and Special Projects of the AIM Policy Center (November 2005-May 2007). Director for Strategic Communications / Information – Department of National Defense (Jan 2000-July 2005) – managed information programs to include counter-insurgency, counter-terrorism campaigns, Rewards for Justice, Philippine Defense Reform, etc). Consultant for Kalusugan para sa Kawal at Beterano Project of the the DND, Philippine Veterans Affairs Office and Veterans Memorial Medical Center (1999-2000); Legislative Affairs Officer V, Office of Senator Orlando Mercado, Philippine Senate (1997-1998); Chief, Information, Education and Communication Division, Philippine Health Insurance Corporation (1996-97) Health Education and Promotions Officer III, Department of Health, Manila (Feb 1994-1996) –developed plans and creative products for the communication campaigns under Sec Juan Flavier. information Officer I, Department of Health, Manila (June 1991-94) – developed and managed communication campaigns for the

Public Information and Health Education Service; Multi-skilled in strategic & operational tasks, extensively trained in program management and resource mobilization, excellent network, well-traveled US Visa: B1/B2 & F1 (long-term international student) up to 2012.Former UTOL Project Director. Consultant

- **IRENE V. MAMANGON.** Over 20 years of administrative, marketing and executive level • expertise, with good problem-solving skills; capable of handling a wide range of situation and projects; ability to handle simultaneous projects and complete it within time and budget limits; ability to develop and implement innovative programs, processes that reduce short-term and long term operating costs; excellent communication & inter-personal abilities; interact effectively with all levels of employees, management & clients; knowledgeable in the formulation and implementation of policies and company guidelines; proactive and resultsdriven with strong planning and decision making skills. Work experience include: Manila Genesis Entertainment & Mgt. Inc.: 2005 – 07 Vice President – Marketing Services, 2003 – 05 Vice President – Artist Development Division, 1993 – 2003 Asst. Vice President – Marketing & Special Projects, 1994 – 99 Executive Assistant to the President/Marketing Administrator. Far East Broadcasting Company, Karuhatan, Valenzuela, Metro Manila: 1989 - 1994 Project Assistant, 1987 – 89 Division Secretary. G.A. Yupangco Marketing Company, Sen. Gil Puyat Ave., Makati City, 1986 – 1987 Division Secretary/Finance Coordinator. Tourist Duty Free Shops, Inc., FTI Complex, Taguig, Metro Manila: 1984 – 1986 Buyer (Travelling Companion Department); 1982 – 1984 Department Secretary. She graduated from Pasig Catholic College with degree in Business Administration major in Marketing, presently with ongoing Masters in Business Administration (MBA) from De La Salle University. Special Courses / Trainings / Seminars include: Performance Management Business One, Makati City; John Maxwell Leadership Conference PICC, Manila; Professionalism Workshop; Business Works, Civil Service Commission, Quezon City; Communication for Women Guthrie-Jenssen, New World Hotel, Makati; Competitive Marketing Strategies Pacific Management, New World Hotel, Makati. Former Administrator, Philippines
- EFFIE P. MONFORTE, RN Diverse managerial experience in banking, tourism, engineering • & manufacturing operations; 15 years in banking, including 3 years in lending operations & 3 years in guasi-banking operations; 3 years in travel, hotel & timesharing operations. Education: Bachelor of Science in Nursing, Kester Grant College, Quezon City, Philippines Oct., 2007; Postgraduate Coursework in Business Administration, Pamantasan ng Lunsod ng Maynila, Manila, Philippines, completed academic requirements leading to MBA, March 1996; Bachelor of Science in Agriculture Major in Economics, Ateneo de Cagayan de Oro/Xavier University, Philippines March 1979. Civil Service Eligibilities / License:1979 - Professional Level; 1980 – Agricultural officer; 1994 – Career Executive Service Officer (written exam); 2007 – Registered Nurse. Work experience: Club Panoly: 2008 Internal Controller/Internal Auditor, 2003-05 Credit & Collection Manager, 2001-03 Corporate Administrator; Fransiab Limited (Dhaka, Bangladesh) 2000-01 Manager Administration/Finance; Land Bank of the Philippines 1989-1993 & 1997-98 Technical Assistant to Senior Officers, 1996 Manager-Shaw Boulevard Branch, 1994-95 Head of Lending Center-NCR Area E. Former Executive Committee Member

- ELICE CAMILLE L. DELOS SANTOS Graduated from De la Salle University-Manila with degree in Bachelor of Arts major in Organizational Communication, consistent Dean's Lister. Research papers: Thesis for organizational communication, Case Study: Crisis Management of Guimaras Oil Spill, Campaign Plan: No Rush/No Scars, Organizational Diagnosis for Chef D'Angelo-MOA Branch, Organizational Video for IDR Pacific Solutions Inc., Chaikofi, Cerealicious & the Ooltimeyt Disc Athletes (TODA), Training Module for Ace Water Spa Employees, Case Study: Organizational Culture of the Old Spaghetti House, PR Plan: JNBM Art Café Shop. Consultant
- GIFTY ANNETTE DUBOIS, RN. Multi-lingual with sound academic education and 36 years of successful experience. Career has been international in experience and has provided a diversity of opportunities for both personal enrichment and group interaction. Possess a natural instinct for creating team harmony for organizational effectiveness; equally effective working independently or as a team member. She has worked closely with Director of Nursing in areas of policy/procedures; writing, revision and implementation; participated in hospitalwide committees, hiring process and performance evaluation of staff; involved in instructive activities by identifying education needs of the staff; implemented quality assurance program, infection control and risk management; assisted in start up of a new mental health unit; initiated and implemented nursing and patient care policies; excel in problem-solving; and produced and implemented disaster evacuation programs. She is presently the Administrator/CEO/Owner of the following: AMBASSADOR HOME HEALTH & HOSPICE, INC., Downey California and ALPHA GENESIS HOME CARE, INC. Downey, California. She is a registered Nurse in Acute Clinical care Areas-Surgical-Medical Nursing, E.N.T. Plastic Surgery, Renal (kidney transplants), Ophthalmic, OB-Gyn, E.R. Pediatrics and Psychiatry. Occupational Health Nurse Diverse experience/industrial training with hospital/university/college students health services and corporations, i.e. Ford Motors, I.T.T. British Steel, Elizabeth Arden, Heinz, et. Al. Administrator - Bencard skin allergy test, EKG, audiometry and spirometry. Health Educator & Counselor - Industrial Relations, Cognitive Therapy. CHARTER HOSPITAL OF FOUNTAIN VALLEY - Fountain Valley, California, Nurse Manager. TERRANCE PLAZA MEDICAL CENTER - (Alcycone Mental Health Unit) Baldwin Park, California, Charge Nurse. TERRANCE PLAZA MEDICAL CENTER, Baldwin Park, California, Part Time Mental Health Worker. COLLEGE HOSPITAL - Cerritos, California, Behavior Specialist. CPC HORIZION HOSPITAL, Pomona California, Mental Health Worker. VARIOUS CORPORATIONS, London, England, 3 years as Nursing Practitioner/Occupational Health Consultant. INTERNATIONAL NICKEL, London, England, Nurse Manager/Nursing Officer. BRITISH AIRWAYS MEDICAL SERVICES, London England, Nursing Manager/Nursing Officer. ST. THOMAS UNIVERSITY HOSPITAL, London England, Emergency Room Staff Nurse. LEWS HAM HOSPITAL, London England, Staff Midwife. CHELMSFORD HOSPITAL, Essex, England, Staff Nurse. Graduated from the AMERICAN TECHNICAL COLEGE in San Bernardino, California with Diploma in Travel Management; MANCHESTER POLYTECHNIC, Manchester, England with Degree in O.H.N.C. Occupational Health; CHELMSFORD SCHOOL OF NURSING, Essex, England with degree in Nursing. She is a member of the following: Royal College of Nursing (London), Royal Society of Occupational Health Nursing Officers, Health and Safety Team of numerous corporations, Emergency and Air Disaster Team (British Airways), Treasurer (Historical Society), Physicians Nurses Association, California Association for Health Services at Home, National Association for Home Care, NAFE - National Association for Female Executives - since 1985, Who is

Who – 1994, Orange County Women's Networkers, Board Member World Outreach Vision Medical Mission, Publications include: Studies on Ventilation, Infection control and Safety Operating Theaters and Laundry rooms for the Royal Free University Hospital, London; Studies on Ventilation, Air Conditioning Duct systems in Gold and platinum storage areas (sterile rooms) Lead Breaking Areas and in Conjunction with Incidence of Contact Dermatitis for International Nickel Limited. Study on Platinosis-platinum Asthma and Rhinitis for International Nickel Limited; "Effects on Jet lag on Circadian Rhythms in Pilots, and Aircrew" British Airways Journal; "Ionizing Radiation in Aircraft Industry" British Airways Journal. Awards & Recognitions she received include: California State Assembly: 4 Awards for 'Entrepreneur Business Training, Small Business Programs; Long Record of Community activism and Civic pride: Downey Chamber of Commerce Award; California Association for Health Services at Home: Sat on Medicare and Medical Committees for 9 years working with both State and Federal Dubois Trust: Provider of public Housing and Transportation; England and Ghana, Provider Governments to police Health Care Providers and to improve health care for the Nation; Merrill Lynch & Company Foundation, Inc. Certification of Achievement and scholarship; Owner and founder Elohim Properties LLC: Provider of Public Housing for California Families Multi Units Apartments and Commercial properties in California and Hawaii; Employment Provider; Gifty – Annette of Employment; Genesis Home Care Inc: Owner CEO, Provider of Health care Southern California; Provider of Employment; Ambassador of Goodwill – doing trade mission for both Federal and State Governments i.e. China, Egypt, Kenya, South Africa etc. Signatory to the 2000 Johannesburg Accord to provide seed money to establish Investment banking to loan money to business women in sub-Sahara Africa in conjunction with the World Bank. She has also studied and served in ministry: Class 2005 Cottonwood School of Ministry: Diploma; Vision University 2006: of Β. Theology/Bachelors Theology; 2006 Benny Hinn School of Ministry; Diploma Demonology and Deliverance: 2007 Benny Hinn School of Ministry – Leadership Diploma "The Anointed Empowered Life and Prayer; Cottonwood Christian Center, Altar Worker/Prayer Coordinator; Windows International – 1040 Windows – 68 countries; I have done mission trips to Asia, Africa, India, Malaysia and China etc. Leadership Summits; Mission Trips with Pastor Benny Hinn; Ephesus, Corinth Greece and all the Greek Island; African Christian Fellowship Leadership Summits and Medical Missions to Central Republic of Africa; San on mission committee at Emmanuel Presbyterian Church, Wilshire Blvd., Los Angeles to appropriate funds to Presbyterian Missions: Deaconess at Emmanuel Presbyterian Church: Church Sponsorship: End Time Prophetic Ministry Ghana – Finance the Church; Financial Bibles for the Chinese Underground Church with the late Nora Lam. Public Service include: Co-founder of Bank of Lakewood, California, sold bank in 2002 to Gateway Business Bank (Coldwell Banker Group) and National Republican Committee: National Leadership Award, Honorary Co-Chairman Business Advisory Council. Trustee, USA 2011 to present.

 IRENE BONNEVIE GUEVARA. Mondragon Industries -National Sales Manager; Pacific Bell, USA - Sales Support Manager; A T& T (USA)- Customer Service Manager; SBC (USA) -Project Coordinator; Hand in Hand Ministries International – President. Sales, Management and Training Courses: Pacific Bell. Los Angeles, CA, USA; Mondragon Industries, Makati, Philippines; Time Life Bools Inc, Asia, Makati, Philippines. Graduated from Maryknoll College, Quezon City, Philippines with Bachelor of Arts in Social Studies; Certificate of Completion, Estudios en Español, Centro Universidad de Madrid, Spain; Certificate of Completion, Cottonwood School of Ministry, Los Alamitos, California USA. Consultant, USA MARIA AMELIA C. STA. ROMANA, M.D. Obstetrician & Gynecologist for 10 years, member of Christian Medical & Dental Mission (Bristol, Tennessee, USA) since 2007, Practicing Physician for 14 years, Doctor of Medicine, University of the East 1994. Fellow of the Philippine Obstetrics & Gynecology, Corporate Secretary Philippines. UTOL USA Secretary 2011 to present. Specialist British clinic, Abu Dhabi United Arab Emirates



4. Arnold R. Klann – Chairman /CEO / President of Bluefire Ethanol- Member

MED

5. Pastor Andy Basilio - for confirmation

OFI

- 6. Vacant
- 7. Vacant

(UTOL) ACCREDITED DOCTORS

Partial List

DOCTOR/Specialty	HOSPITAL/CLINIC
MERLINA P. ABAD, M.D.	St. Luke's Medical Center Christian Medical Specialists Services
Psychiatrist	MCU Hospital – Neuro Psychiatry
MA. LUISA S. ACU, M.D., FPOGS	Dr. Jesus Delgado Memorial Hospital
Obstetrician-Gynecologist	Christian Medical Specialists Services
Perinatologist / OB-GYN Sonologist	Capitol Medical Center
C	Manila Japanese Club Clinic
ZEFERINO G. ARROYO III, M.D.	Christian Medical Specialists Services
Dermatologist / Aesthetic Plastic Surgeon	Skin Care Clinic
	RBG Medical Clinic
SYLVIA C. BERNARDINO, M.D., DPPS	St. Luke's Medical Center
Pediatrician	Christian Medical Specialists Services
	United Doctors Medical Center
	Christian Medical Specialists Services
	Marbella Medical & Diagnostic Center
ROY T. CABALLERO, M.D., DPCP	HOSPITAL AFFILIATIONS:
Internal Medicine	* Quezon City Medical Center
Gastroenterology – Endoscopy	 * Mary Chiles General Hospital * Delos Santos Medical Center
	* Delgado Memorial Hospital
	* St. Vincent Hospital
RENATO A. CARASIG, M.D.	tollow 1
Family Medicine	Christian Medical Specialists Services
MARIA MILA SANTOS-CHU, M.D., FPOGS	Christian Medical Specialists Services
Obstetrician - Gynecologist	Christian Medical Specialists Services
Lourdes C. CUA, M.D	UCD Polyclinic
Pediatrician	
RANDY MISAEL S. DELLOSA, M.D.	Lifechange Counselling Center & Psychiatry
Psychiatrist	Clinic
BERNARDO D. DIMACALI, M.D.	FEU Hospital
ENT – Head and Neck Surgery	Muntinlupa Doctors Clinic
Peroral Endoscopy	Christian Medical Specialists SErvices
Plastic & Reconstructive Surgery	Alabang Medical Clinic
JADE F. DEL MUNDO, M.D Ophthalmology	Eye Referral Center
CYNTHIA V. DEL MUNDO, OD	St. Luke's Medical Center
Optometry, Pediatric Optometry	Christian Medical Specialists Services
Orthoptics	Medical Plaza
ARVIN S. ESCUETA, M.D	
Pediatrics	UCD Polyclinic

UNIDO D. FABREGAS, M.D. General Surgery	CDM Specialist Clinic UDMC Hospital VRP Medical Center UCD Polyclinic			
FELISA SO-GAN, M.D Internal Medicine/Gastroenterolog	Metropolitan Hospital VRP Medical Center San Fernandino Hospital			
MA. CHRISTINA T. JACILDO, M.D. Dermatology	VRP Medical Center Mission Hospital The Lord's Medical Clinic			
RUSTUM JACILDO, M.D Internal Medicine – Pulmonology	RP Medical Center			
WILLIAM T. LAVADIA, MD., FPOA, FPCS Orthopaedic Surgeon	St. Luke's Medical Center Christian Medical Specialists Services Philippine Orthopedic Center United Doctors Medical Center			
JUANITA LU-LIM, M.D Medical Oncology	Metropolitan Hospital			
NELSON LIM, M.D., FPCS General Surgery	Chinese General Hospital			
MA. LUISA DE VILLA-MANLAPAZ, M.D Pediatrics – Neonatology	St. Luke's Medical Center Christian Medical Specialists Services Philippine Children's Medical Center			
MYRNA NGO, M.D. Nephrologist	Christian Medical Specialists Services			
MARVIN E. OCAMPO, D.M.D Dentist	Chinese General Hospital			
ALERTA M. PAZ, DMD Dentist	Alerta Paz Dental Clinic			
EDGARDO PENSERGA, M.D. Surgeon	Christian Medical Specialists Services			
MANUEL C. QUESING, M.D, FPCS, FICS Ophthalmology	Chinese General Hospital			
ANNIE SALAMAT, M.D. Radiologist / Sonologist	Christian Medical Specialists Services			
GIGIT SALES, DMD Dentist	Christian Medical Specialists Services			
JULIET O. SIO, M.D., FPPS, FPSPGN Pediatrics – Gastrointestinal Diseases	Joshua Cewnter St. Luke's Medical Center UPCM-PGH Christian Medical Specialists Services			
VIVIAN N. CANETE-SIODORA, M.D., FPOGS	Christian Medical Specialists Services			
Obstetrician – Gynecologist ARMIDA C. TECSON, M.D.	St. Luke's Medical Center Jesus Immaculate Conception Hospital			
MARIA SALOME NICDAO-VIOS, M.D., FPNA	Christian Medical Specialists Services UPCM-PGH, Department of Physiology UP Health Service			

KEN S. VILLANUEVA, M.D., DPCP, FPCC	Christian Medical Specialists Services		
Cardiologist	Philippine Heart Center		
EDITHA C. ZULUETA, M.D.			
Pediatrics	Jesus Immaculate Conception Hospital		
CYNTHIA FABREGAS, M.D.	CDM Specialist Clinic		
Internal Medicine-Diabetes	UCD Polyclinic		
REYNALDO C. NERI, M.D.			
Internal Medicine-Cardiologist	St. Luke's Medical Center		
ALVIN MIRELLES, M.D.	0		
JOSEPHINE L. RAPADA, M.D.	Ĕ		
CHONA R. GARCIA, M.D.	Pasay City General Hospital		
Anesthesia	Manila Sanitarium Hospital		
DOLORES IMBING, DMD.			
Dentist			
VINSON PINEDA, M.D	m Z		
Dermatologist			
	May =		
JAMES GO, M.D. General Internal	Metropolitan Hospital		
100.67			
ERNESTO TEE, M.D.	Metropolitan Hospital		
Cardiology			
TOMMY CO, M.D.	Metropolitan Hospital		
DANIEL TAN, M.D.	Metropolitan Hospital		
PAMELA LLOREN, M.D	Metropolitan Hospital		
Nephrology TAN CHO-CHIONG, M.D.			
Neuro-Psychiatry	Metropolitan Hospital		
GIL GAN, M.D.			
Neurology	Metropolitan Hospital		
MARTHA LU, M.D.			
Neurology	Metropolitan Hospital		
SUSAN YU GAN			
Endocrinology	Metropolitan Hospital		
PETER SY, M.D.			
Gastroenterology	Metropolitan Hospital		
VILMA CO, M.D.			
Infectious Disease	Metropolitan Hospital		
SOLIDAD LIM BALETE, M.D.			
Oncology	Metropolitan Hospital		
MARY GAN CHAO, M.D			
Dermatology	Metropolitan Hospital		
CEREUS CASTRO, M.D			
Pediatrics	Metropolitan Hospital		
SANDRA MAY ONGPIAN, M.D.			
OB-Gyne	Metropolitan Hospital		
RICARDO DY, M.D.			
Surgery	Metropolitan Hospital		
Guigory			

Metropolitan Hospital		
Metropolitan Hospital		
Metropolitan Hospital		
Metropolitan Hospital		
Metropolitan Hospital		
UCD Polyclinic		
Metropolitan Hospital		
Metropolitan Hospital		
Quezon City Medical Center		
Quezon City Medical Center		
UP-PGH, Divi of Gastrointestinal Surgery		
LDM Clinic		
Perpetual Help Medical Center		
Manila Doctors Hospital, Visiting Consultant		
UP-PGH		
Manila Doctors Hospital		
Cardinal Santos Medical Center		
National Kidney & Transplant		

APPENDIX L : Budget Summary

	UTOL Hospital Ship					
	Operating Cost					
		2013	2014	2015	2016	2017
	BARRELS (BBLS) FUEL PER STEAMING HR UNDERWAY	135	131	136	131	136
	NO. OF MANPOWER	1000	1000	1000	1000	1000
	NO. OF OFFICER PERSONNEL	60	60	60	60	60
	NO. OF SHIPS	1	1	1	1	1
	STEAMING HOURS NOT UNDERWAY	1851	1851	1851	1851	1851
	STEAMING HOURS UNDERWAY	3348	3468	3348	3468	3348
	DIRECT UNIT					
1	COSTS	77,198,836.40	97,248,300.60	105,028,164.65	119,732,107.70	125,718,713.08
1.1	PERSONNEL					
1.1.1	MANPOWER	28,718,820.00	36,177,442.18	39,071,637.55	44,541,666.81	46,768,750.15
1.1.1.1	REPORTED MAINTENANCE LABOR MANHOURS OFFICER	289,374.00	364,527.90	393,690.13	448,806.75	471,247.09
1.1.1.2	MANPOWER				-	-
1.1.1.3	ENLISTED MANPOWER				-	-
1.1.2	TEMPORARY ADDITIONAL DUTY (TAD)	347,344.00	437,553.40	472,557.68	538,715.75	565,651.54
1.2	MATERIAL				_	-
	SHIP PETROLEUM,					
1.2.1	OIL AND LUBRICANTS (POL)	6,710,295.90	8,453,040.27	9,129,283.49	10,407,383.18	10,927,752.34
1.2.1.1	FUEL (FOSSIL)				-	-
1.2.1.1.1	HYDROGEN FUEL	18,802,926.00	23,686,271.52	25,581,173.24	29,162,537.49	30,620,664.37
1.2.1.1.2	FUEL NOT UNDERWAY	3,487,023.00	4,392,644.72	4,744,056.29	5,408,224.18	5,678,635.38
1.2.1.2	OTHER PETROLEUM, OIL AND LUBRICANTS (POL)	77,704.00	97,884.66	105,715.43	120,515.59	126,541.37
1.2.1.3	BARRELS OF FUEL CONSUMED				-	-
1.2.1.3.1	UNDERWAY	453,270.00	570,989.66	616,668.83	703,002.47	738,152.59

1.2.1.3.2	NOT UNDERWAY	82,353.00	103,741.06	112,040.35	127,726.00	134,112.30
1.2.2	REPAIR PARTS	5,895,159.00	7,426,202.53	8,020,298.74	9,143,140.56	9,600,297.59
1.2.3	SUPPLIES				-	-
1.2.3.1	EQUIPMENT/EQUIPA GE	730,259.00	919,916.03	993,509.31	1,132,600.61	1,189,230.64
1.2.3.2	CONSUMABLES	4,338,510.00	5,465,273.11	5,902,494.96	6,728,844.25	7,065,286.46
1.2.3.3	SHIPS FORCE MATERIAL	140,691.00	177,230.14	191,408.55	218,205.75	229,116.04
1.2.4	TRAINING EXPENDABLE STORES				-	-
1.2.4.1	AMMUNITION	500,247.00	630,167.15	680,580.52	775,861.79	814,654.88
1.2.4.2	OTHER EXPENDABLES	-			-	-
1.2.5	REPAIRABLES				-	-
1.2.5.1	ORGANIZATIONAL EXCHANGES	565,358.50	712,188.89	769,164.00	876,846.96	920,689.31
1.2.5.2	ORGANIZATIONAL ISSUES	565,645.00	712,549.79	769,553.78	877,291.31	921,155.87
1.3	PURCHASED SERVICES				-	-
1.3.1	PRINTING AND REPRODUCTION	6,484.00	8,167.97	8,821.41	10,056.41	10,559.23
1.3.2	ADP RENTAL AND CONTRACT SERVICES	-			-	-
1.3.3	RENT AND UTILITIES	1,946,428.00	2,451,938.71	2,648,093.81	3,018,826.94	3,169,768.29
1.3.4	COMMUNICATIONS	85,435.00	107,623.49	116,233.37	132,506.05	139,131.35
1.3.5	OTHER	3,455,510.00	4,352,947.41	4,701,183.21	5,359,348.86	5,627,316.30
2	DIRECT INTERMEDIATE MAINTENANCE	1,264,297.00	1,592,650.10	1,720,062.11	1,960,870.81	2,058.914.35
2.1	AFLOAT MAINTENANCE LABOR	12,181.00	15,344.55	16,572.12	18,892.21	19,836.82
2.1.1	AFLOAT MAINTENANCE LABOR MANHOURS	643.00	809.99	874.79	997.27	1,047.13
2.2	ASHORE MAINTENANCE LABOR	226,781.00	285,678.75	308,533.05	351,727.67	369,314.06
2.2.1	ASHORE MAINTENANCE LABOR MANHOURS	11,961.00	15,067.42	16,272.81	18,551.00	19,478.58
2.3	MATERIAL (DIM)	-			-	-
2.3.1	AFLOAT REPAIR PARTS	50,853.00	64,060.13	69,184.95	78,870.84	82,814.38
2.3.2	ASHORE REPAIR PARTS	102,002.00	128,493.14	138,772.59	158,200.76	166,110.80
2.4	COMMERCIAL INDUSTRIAL SERVICES	859,876.00	1,083,196.12	1,169,851.80	1,333,631.06	1,400,312.61

3	DIRECT DEPOT MAINTENANCE	33,084,483.70	41,676,921.13	45,011,074.82	51,312,625.30	53,878,256.56
3.1	SCHEDULED SHIP OVERHAUL				_	-
3.1.1	REGULAR OVERHAUL				_	_
3.1.1.1	PUBLIC SHIPYARD (ROH)				-	-
3.1.1.1.1	OVERHEAD (ROH PUBLIC)	-			-	-
3.1.1.1.2	LABOR (ROH PUBLIC)	-			-	-
3.1.1.1.2.1	MANDAYS (ROH PUBLIC)	-			-	-
3.1.1.1.3	MATERIAL (ROH PUBLIC)	1,703,790.00	2,146,284.71	2,317,987.49	2,642,505.73	2,774,631.02
3.1.1.2	PRIVATE SHIPYARD (ROH)	-			-	-
3.1.1.3	SHIP REPAIR FACILITY (ROH)	-			-	-
3.1.1.3.1	OVERHEAD (ROH SRF)	-			-	-
3.1.1.3.2	LABOR (ROH SRF) MATERIAL (ROH	-			-	-
3.1.1.3.3	SRF) SELECTED	-			-	-
3.1.2	RESTRICTED AVAILABILITY (SRA)				-	-
3.1.2.1	PUBLIC SHIPYARD (SRA)				-	-
3.1.2.1.1	OVERHEAD (SRA PUBLIC)	9,651.00	12,157.48	13,130.08	14,968.29	15,716.70
3.1.2.1.2	LABOR (SRA PUBLIC)	8,629.00	10,870.05	11,739.66	13,383.21	14,052.37
3.1.2.1.2.1	MANDAYS (SRA PUBLIC)	57.00	71.80	77.55	88.40	92.82
3.1.2.1.3	MATERIAL (SRA PUBLIC)	882,324.00	1,111,474.13	1,200,392.06	1,368,446.95	1,436,869.30
3.1.2.2	PRIVATE SHIPYARD (SRA)				-	-
3.1.2.3	SHIP REPAIR FACILITY (SRA)	-			_	-
3.1.2.3.1	OVERHEAD (SRA SRF)	-			-	-
3.1.2.3.2	LABOR (SRA SRF)	-			-	-
3.1.2.3.3	MATERIAL (SRA SRF)	-			-	-
3.2	NONSCHEDULED SHIP REPAIRS				_	-
3.2.1	RESTRICTED AVAILABILITY				-	-

3.2.1.1	PUBLIC SHIPYARD (RAV)				_	-
3.2.1.1.1	OVERHEAD (RAV PUBLIC)	13,169.00	16,589.15	17,916.28	20,424.56	21,445.79
3.2.1.1.2	LABOR (RAV PUBLIC)	16,186.00	20,389.70	22,020.87	25,103.80	26,358.99
5.2.1.1.2	MANDAYS (RAV	10,100.00	20,389.70	22,020.07	25,105.00	20,338.77
3.2.1.1.2.1	PUBLIC)	85.00	107.08	115.64	131.83	138.42
3.2.1.1.3	MATERIAL (RAV PUBLIC)	13,097.00	16,498.45	17,818.32	20,312.89	21,328.53
3.2.1.2	PRIVATE SHIPYARD (RAV)	4,315,648.00	5,436,473.57	5,871,391.46	6,693,386.26	7,028,055.58
3.2.1.3	SHIP REPAIR FACILITY (RAV)	-			-	-
3.2.1.3.1	OVERHEAD (RAV SRF)	-			-	-
3.2.1.3.2	LABOR (RAV SRF)	-			-	-
3.2.1.3.3	MATERIAL (RAV SRF)	-			-	-
3.2.2	TECHNICAL AVAILABILITY (TAV)				-	-
3.2.2.1	PUBLIC SHIPYARD (TAV)				-	-
3.2.2.1.1	OVERHEAD (TAV PUBLIC)	251,935.00	317,365.54	342,754.79	390,740.46	410,277.48
3.2.2.1.2	LABOR (TAV PUBLIC)	350,634.00	441,697.86	477,033.69	543,818.40	571,009.32
3.2.2.1.2.1	MANDAYS (TAV PUBLIC)	1,989.00	2,505.57	2,706.01	3,084.85	3,239.10
3.2.2.1.3	MATERIAL (TAV PUBLIC)	403,923.00	508,826.65	549,532.78	626,467.37	657,790.74
3.2.2.2	PRIVATE SHIPYARD (TAV)	41,805.00	52,662.26	56,875.24	64,837.77	68,079.66
3.2.2.3	SHIP REPAIR FACILITY (TAV)	-			-	-
3.2.2.3.1	OVERHEAD (TAV SRF)	-			-	-
3.2.2.3.2	LABOR (TAV SRF)	-			-	-
3.2.2.3.3	MATERIAL (TAV SRF)	-			-	-
3.3	FLEET MODERNIZATION				-	-
3.3.1	PUBLIC SHIPYARD (FM)				-	-
3.3.1.1	OVERHEAD (FM PUBLIC)	514,191.00	647,732.57	699,551.18	797,488.34	837,362.76
3.3.1.2	LABOR (FM PUBLIC)	524,246.00	660,398.98	713,230.90	813,083.22	853,737.38
3.3.1.2.1	MANDAYS (FM PUBLIC)	3,334.00	4,199.88	4,535.87	5,170.89	5,429.44
3.3.1.3	MATERIAL (FM PUBLIC)	628,911.00	792,246.73	855,626.47	975,414.18	1,024,184.89

4.2	PUBLICATIONS	1,215,300.00	1,530,927.99	1,653,402.23	1,884,878.55	1,984.777.11
4.1	TRAINING	4,125,005.25	5,196,318.61	5,612,024.10	6,397,707.48	6,736,785.97
4	INDIRECT OPERATING AND SUPPORT	5,610,890.25	7,068,105.78	7,633,554.24	8,702,251.83	9,163,471.18
3.4.5.2	PERA, SUBMEPP PROCUREMENT	261,687.00	329,650.25	356,022.27	405,865.39	426,158.66
3.4.5.1	PERA, SUBMEPP PLANNING	1,145,313.00	1,442,764.53	1,558,185.69	1,776,331.69	1,865,148.72
3.4.5	PERA, SUBMEPP PLANNING AND PROCUREMENT	1,406,999.00	1,772,413.52	1,914,206.61	2,182,195.53	2,291,305.31
3.4.4	DESIGN SERVICES ALLOCATION	12,552,995.70	15,813,159.32	17,078,212.06	19,469,161.75	20,442,619.84
3.4.3.3	ELECTRONIC REWORK	-			-	-
3.4.3.2	HULL, MECHANICAL AND ELECTRICAL REWORK (HM&E)	248,000.00	312,408.58	337,401.26	384,637.44	403,869.31
3.4.3 3.4.3.1	REWORK ORDNANCE REWORK	-			-	-
3.4.2	INSTALLATION	28,234.00	35,566.71	38,412.05	43,789.73	45,979.22
3.4.1.3	MATERIAL (NADEP)	942,527.00	1,187,312.57	1,282,297.58	1,461,819.24	1,534,910.20
3.4.1.2	LABOR (NADEP)	1,150,653.00	1,449,491.39	1,565,450.70	1,784,613.80	1,873,844.49
3.4.1.1	OVERHEAD (NADEP)				-	-
3.4.1	NAVAL AVIATION DEPOT (NADEP)				-	-
3.4	OTHER DEPOT				-	-
3.3.6	OUTFITTING AND SPARES	3,440,675.00	4,334,259.59	4,681,000.35	5,336,340.40	5,603,157.42
3.3.5	OTHER (FM)	755,185.00	951,315.61	1,027,420.86	1,171,259.77	1,229,822.76
3.3.3.3	MATERIAL (FM SRF) CENTRALLY- PROVIDED MATERIAL	- 1,373,614.00	1,730,358.04	1,868,786.68	- 2,130,416.82	- 2,236,937.66
3.3.3.2	LABOR (FM SRF)	-			-	-
3.3.3.1	OVERHEAD (FM SRF)	-			-	-
3.3.3	SHIP REPAIR FACILITY (FM)	-			-	-
3.3.2	PRIVATE SHIPYARD (FM)	94,997.00	119,668.86	129,242.37	147,336.30	154,703.12

4.3	ENGINEERING AND TECHNICAL SERVICE (ETS)	270,585.00	340,859.17	368,127.91	419,665.81	441,908.10
4.4	AMMUNITION HANDLING	-			-	-
5	TOTAL	117,158,507.35	147,585,977.61	159,392,855.82	181,707,855.63	190,819,355.17
	Bednarski, Navy VAMOSC Program Manager (70					

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