

EXECUTIVE SUMMARY

During the past five years, a few minor modifications were made with existing programs under NMC CREES. However, all programs currently being implemented continue to address the five National Goals of CSREES.

Due to a large turn over rate of employees and a hiring freeze that is currently in effect at Northern Marianas College, some programs had to be discontinued or combined with similar programs to ensure its implementation.

After September 11, 2001, the economy in the region was negatively affected. The CNMI Government, including Northern Marianas College, took steps to reduce the impact of the economic crisis. As a result, Northern Marianas College has ceased all hiring through FY2004. Although the economy is slowly improving we are still under austerity and do not foresee any type of hiring until FY 2005.

In addition to the economic downturn that has affected the sustainability of programs, the CNMI is limited in agriculture and life science professionals. Therefore, CREES hires mostly stateside and foreign professionals who serve the CNMI for a couple of years. Consequently, there is a large turn over rate of positions within CREES, especially amongst scientists and program coordinators, resulting in the discontinuation and/or merging of certain programs.

The programs that were discontinued include: the Agriculture Marketing and Farmer Service Program and the CNMI Cooperative Research, Extension and Education Communications Program. These programs remain unimplemented with no immediate plans of implementing them during the next two years. However, these programs may be resurrected in the next 5 Year Plan of Work. The Leadership and Volunteer Development Program was merged with 4-H because of shortage in manpower. Despite the discontinuation and merging of the above programs, all National Goals are still being addressed.

REVISIONS TO EXISTING PLAN OF WORK

2 MISSION STATEMENT

Delete:

- 1) To develop, test, adapt, and provide appropriate technical information and assistance to the people of the Commonwealth of the Marianas Islands in the fields of agricultural animal and plant sciences, home economics, and community development that is locally sustainable, environmentally safe, and economically feasible, in order to enhance the well-being and improve the quality of life for the community.*

- 2) *To convey the Northern Marianas College's role of providing information, technology and means for other sectors of society to make and implement decisions in the areas of agriculture, natural, and community resources.*

Replace with:

To be the leader is providing quality programs, services and information in order to improve the CNMI's people, environment, and economy through agriculture, family and consumer sciences.

3 PROJECTED RESOURCES

Table 1. Estimated Budget and FTEs from 1862 and Local Matching Funds: CNMI CREES, NMC, 1999 Through 2006

	2004	2004	2004	2005	2005	2005	2006	2006	2006
ITEM	Total bud. x (\$1000)	Prof. FTE	Para Prof. FTEs	Total bud. x (\$1000)	Prof. FTE	Para Prof. FTEs	Total bud. x (\$1000)	Prof. FTE	Para Prof. FTEs
Ag. Research and Extension	1,490	10.75	5	1,490	13.8	5.75	1,490	15.1	7.5
Family and Consumer Sciences	664	10.8	3.75	664	11.5	5	664	11.5	6
Total for CNMI CREES	2,154	21.55	8.75	2,154	25.3	10.75	2,154	26.6	13.5

4 ONGOING AND PLANNED PROGRAMS AND PROJECTS

Table 3: CREES ONGOING AND PLANNED RESEARCH AND EXTENSION PROGRAMS: ESTIMATED TOTAL BUDGET FY2005 THROUGH FY2006

	2004	2004	2004	2005	2005	2005	2006	2006	2006
ITEM	Total bud. x (\$1000)	Prof. FTE	Para Prof. FTEs	Total bud. x (\$1000)	Prof. FTE	Para Prof. FTEs	Total bud. x (\$1000)	Prof. FTE	Para Prof. FTEs
Ag. Research and Extension									
Plant Protection Program	639,625	2.95	2	639,625	2.95	2	639,625	4.95	2

Crop Production Improvement Program	546,683	3.7	2	546,683	4.75	2	546,683	5.75	3
Aquaculture Development Program	56,433	1.2	1	80,000	1.7	1.25	80,000	1.7	1.5
Livestock Improvement Program	22,631	1.2		22,631	1.2	.5	22,631	1.2	1
ADAP	18,650			18,650			18,650		
EPA Region IX	43,210								
Soil and Water Management Program	125,903	1.7		125,903	1.7	.5	125,903	1.7	.5
EPA Region IX	43,210								
ARE TOTAL	1,476,468	10.75	5	1,487,492	13.8	6.25	1,487,492	15.3	7.5
Family and Consumer Sciences									
Food Safety and Quality Program	--	--	--	88,000	.5	.5	96,000	.5	.5
Expanded Food and Nutrition Education Program	92,414	1.7	1.5	92,414	2	1.5	92,414	2	1.5
Community Development Program	127,534	2.2		127,534	2.2		127,534	2.2	
Nutrition, Diet & Health	243,600	2.7	1.25	243,600	2.7	1.25	243,600	2.7	1.25
Healthy Living in the Pacific	13,791								
Food Stamp Nutrition Education Project	76,749			76,749	1	1	86,350	1	2
4-H & Youth Development	147,813	2.7	.5	147,813	2.7	.5	147,813	2.7	.5
Family Development & Resource Management	141,922	1.2	.5	141,922	1.2	.5	141,922	1.2	.5
FCS TOTAL	843,823	10.5	3.75	918,032	12.3	5.5	926,032	12.3	6.5
Total for CNMI CREES	2,320,291	21	8.75	2,405,524	26	11.75	2,423,125	28	14

5 PROGRAM DESCRIPTIONS

5.1 PLANT PROTECTION PROGRAM

5.1.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	639	2.95	2	639	4.95	2

5.2 CROP PRODUCTION IMPROVEMENT PROGRAM

5.2.5 Key Program Components

Add: 1) "On-station" to read "On-station and on-farm crop variety and management trials"

5.2.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	547	3.7	2	547	4.75	2

5.2.10 Ongoing Extension and Outreach

Add: "The first phase of sweet corn variety trials was begun in 2004 on Saipan and Rota and partially completed in April 2004. The next round of trials will be planted in the rainy season of 2004. Wet season production of tomatoes will resume in the rainy season of 2004. It is expected bulbing onion trials will be planted in autumn 2004. Trials on coffee were started on Saipan, Tinian and Rota in 2003 and are continuing. "

5.3 AQUACULTURE AND FISHERIES DEVELOPMENT PROGRAM

5.3.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	80	1.7	1.25	80	1.7	1.5

5.4 LIVESTOCK IMPROVEMENT PROGRAM

5.4.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	23	1.2	.5	23	1.2	1
Other	19			19		

5.5 CNMI SOIL AND WATER MANAGEMENT PROGRAM

5.5.4 Outcome Indicators

Change spelling of “fertagation” to fertigation.

5.5.6 Internal and External Linkages

- *Change “Soil Conservation Service of the Natural Resources Conservation Service” to “the Natural Resources Conservation Service of the U.S.D.A.”.*
- *Change “the University of Guam (for soil testing services)” into “commercial soil testing laboratories”*
- *Change “traditionally underserved sectors, such as the Chamorro and Carolinian farmers” into “farmers from the indigenous Chamorro and Carolinian communities”*

5.5.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	126	1.7	.5	126	1.7	.5

5.5.10 Ongoing Research and Extension

Delete “corn/mulch/fertilizer trials”

5.6 AGRICULTURE MARKETING AND FARMER SERVICE PROGRAM (Discontinue)

5.7 CNMI COOPERATIVE RESEARCH, EXTENSION AND EDUCATION COMMUNICATION PROGRAM (Discontinue)

5.8 FOOD SAFETY AND QUALITY PROGRAM

5.8.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	88	.5	.5	96	1	.5

5.9 EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM

5.9.3. Output Indicators

Add:

- 6. Increased Type II Diabetes awareness and prevention in schools and the community
- 7. Increased knowledge of food safety through trainings in childcare facilities

5.9.4 Outcome Indicators

Add:

- 6. Increased quality of diets by the increased consumption of high nutrient dense foods, especially high fiber locally grown produce
- 7. Increased physical activity and healthy food choices to prevent obesity and diabetes
- 8. Decreased rates of food borne illnesses and reduced food safety risks in childcare facilities
- 9. Increase nutrition knowledge and ability to make healthy food choices among preschool and elementary school children

5.9.5 Key Program Components

Add: "In addition to ERIB3, EFNEP has recently begun using the University of Hawaii's Food and Money Basics curriculum.

5.9.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	92	2	1.5	92	2	1.5

5.10 NUTRITION, DIET AND HEALTH PROGRAM

5.10.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total	Prof.	Para	Total	Prof.	Para

	Budget	FTEs	Prof. FTEs	Budget	FTEs	Prof. FTEs
1862 & Matching	244	2.7	1.25	244	2.7	1.25

5.11 FAMILY DEVELOPMENT AND RESOURCE MANAGEMENT PROGRAM

5.11.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	142	1.2	.5	142	1.2	.5

5.12 4-H DEVELOPMENT PROGRAM

5.12.9 Allocated Resources (\$1000)

Add:

	2005	2005	2005	2006	2006	2006
Item	Total Budget	Prof. FTEs	Para Prof. FTEs	Total Budget	Prof. FTEs	Para Prof. FTEs
1862 & Matching	148	2.7	.5	148	2.7	.5

**5.13 LEADERSHIP AND VOLUNTEER DEVELOPMENT PROGRAM
(Merged with 4-H Development Program)**