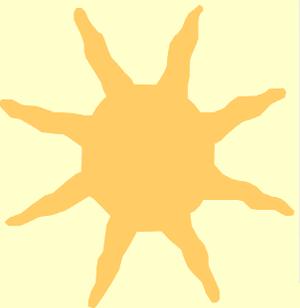
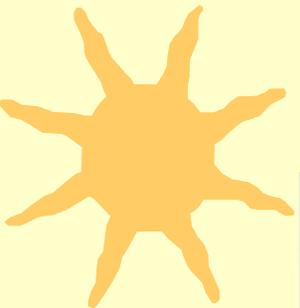


GUAM ENERGY PATROL

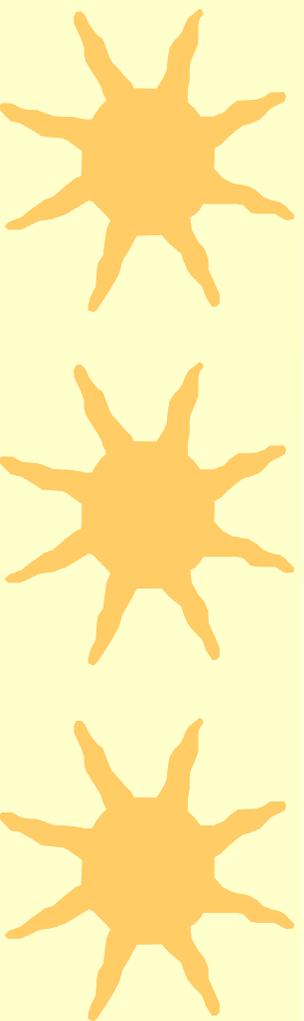
An Energy Educational Outreach program



by GUAM ENERGY OFFICE



BACKGROUND



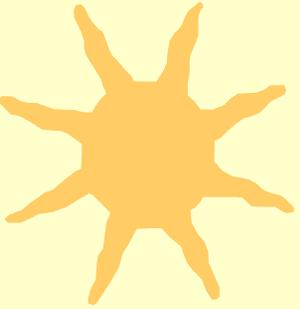
- ★ Special Projects Funding for \$25,000
- ★ Target School – Department of Defense Educational Activity (DODeA) school
 - Enrollment of 2,526 students (K-8)
 - Navy dormitories converted into school in 1997

Guam South Elementary/Middle School





EXISTING CAMPUS

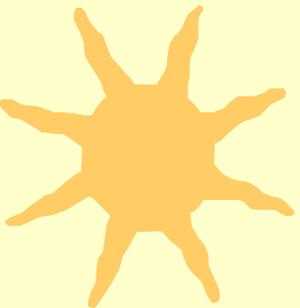
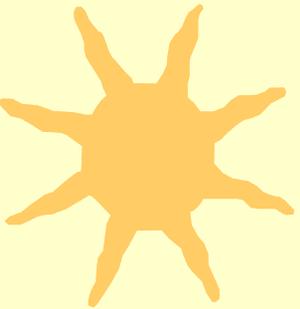


★ Energy Efficient lighting and ballasts

★ Split air-cons in each room

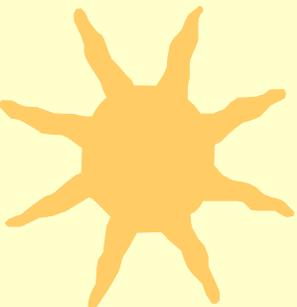
(high EER)

★ Light colored paint on building

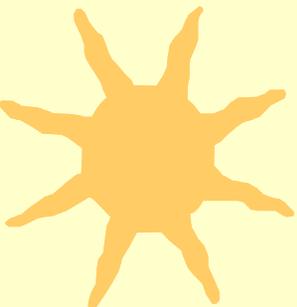




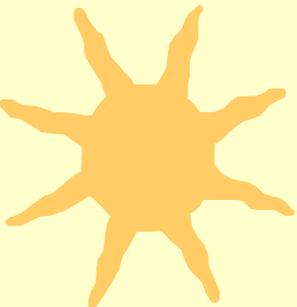
RECOMMENDATIONS



- ★ Energy Conservation Practices
 - i.e. “Lights on, Lights off”



- ★ Energy Efficient Procurement
 - Policy for equipment



- ★ Continue to carry out conservation practices after project is completed

Students taking the Oath



Touring the Power Plant



Break time at Power Plant

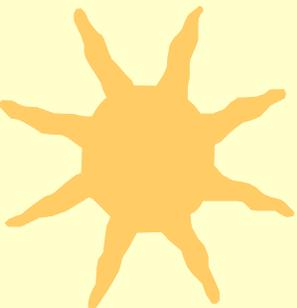


Award Ceremony





RESULTS

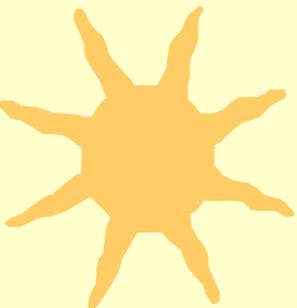


★ First month – 17% energy reduction

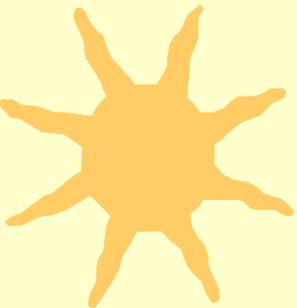
★ Energy Savings

– 15,000 kWh per month

– School saves about \$2,400 per month on utility bills (16 cents per kWh)



★ Environmental Benefit



ENERGY SAVINGS

Months	kWh used in previous year	kWh used with Energy Patrol Program	Energy saved (kWh)
	2001	2002	
January	151945	127716	24229
February	130672	122756	7916
March	141911	118771	23140
April	154386	142712	11674
May	161482	152501	8981
June	133947	119951	13996
Total	874343	784407	89936

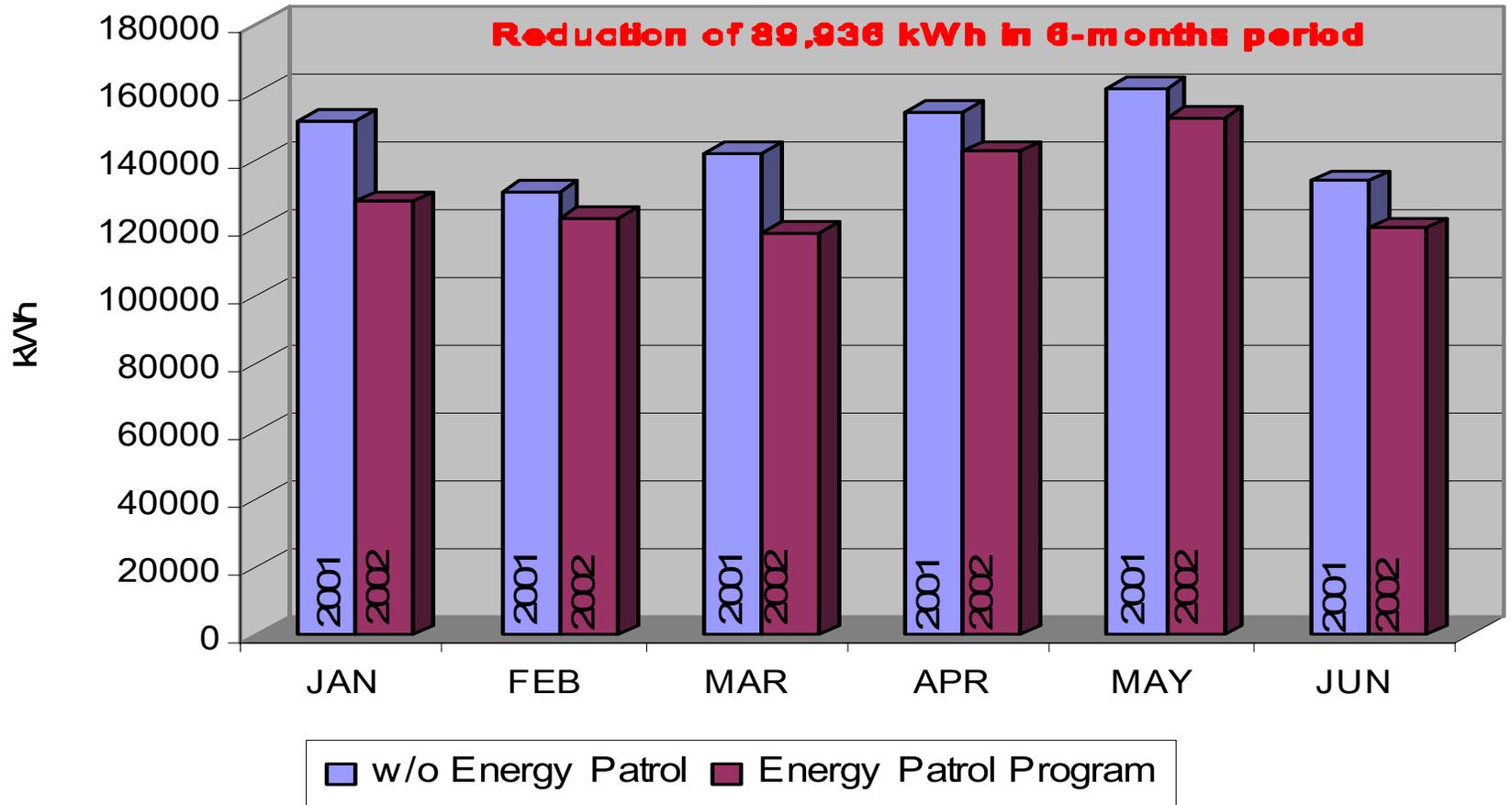
Average monthly kWh saving: 14,989

Average monthly energy saved* \$ 2,398

* Formula: Energy Saved = kWh saved x 16 cents/kWh (prevailing cost of energy from the grid)

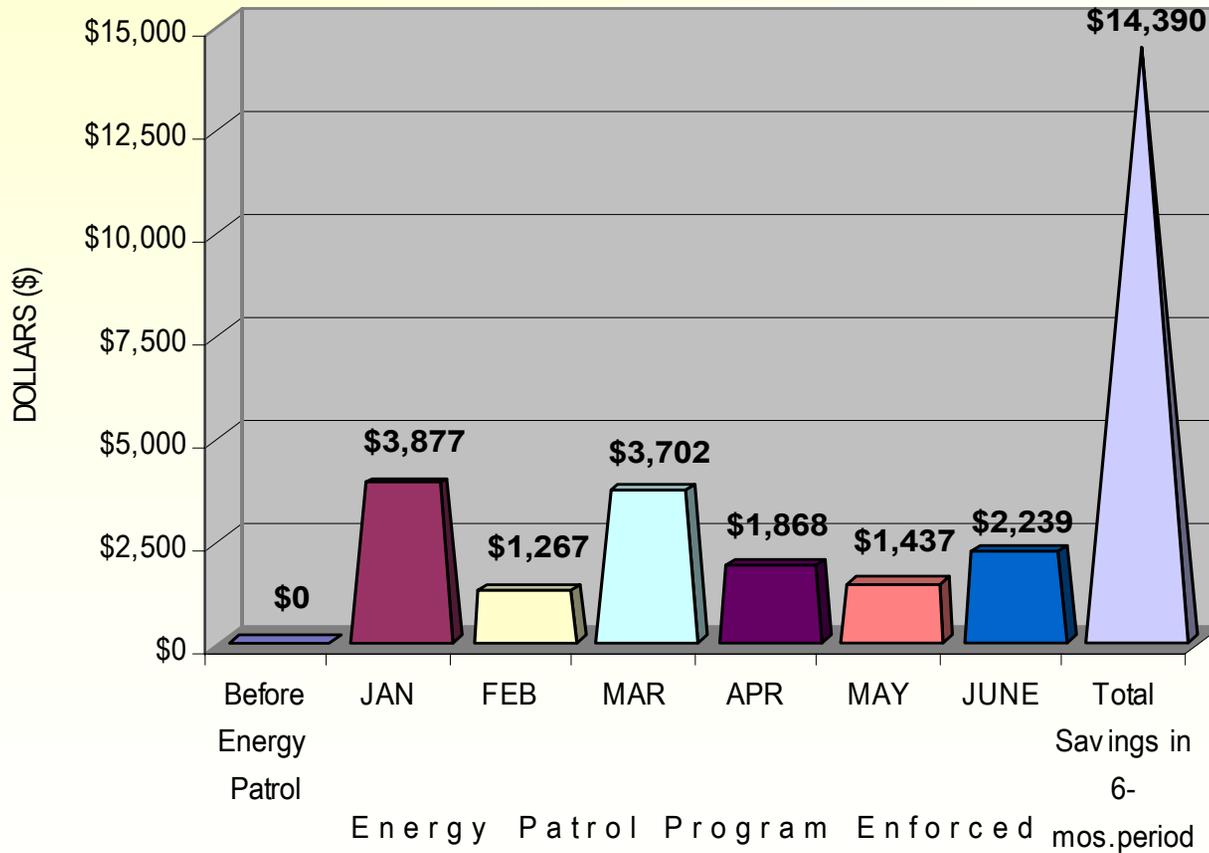
MONTHLY SAVINGS

Monthly kWh Consumption



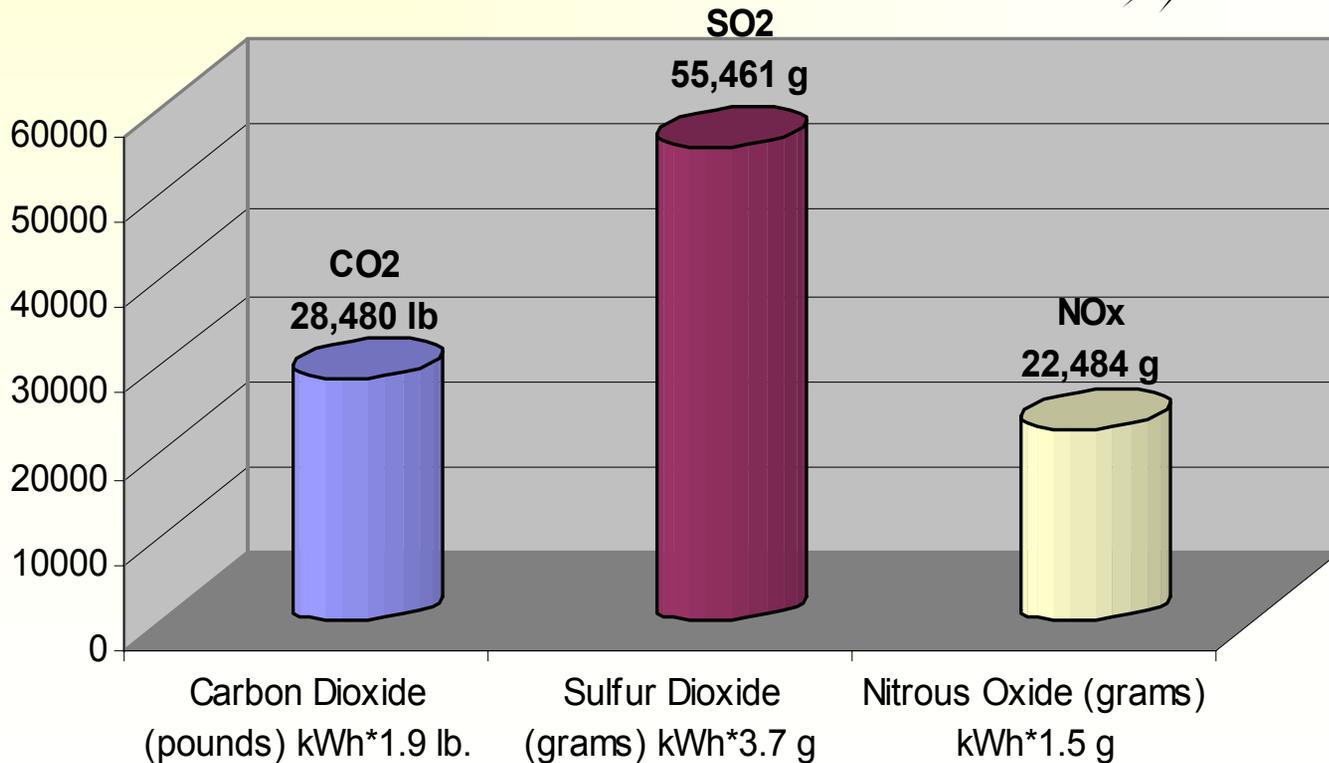
TOTAL SAVINGS

Monthly Energy Savings



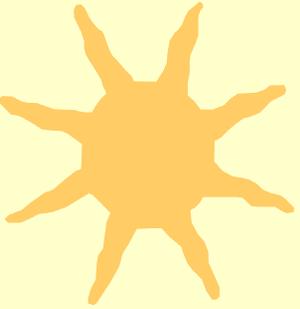
ENVIRONMENTAL BENEFITS

Environmental Benefits Average Monthly Reduction of Greenhouse Gases





LESSONS-LEARNED

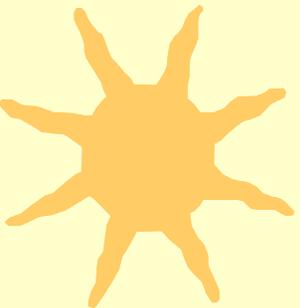
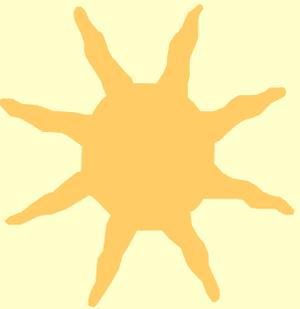


★ Who is authorized to sign MOU

★ Be more Assertive

★ Have Plan B ready incase

Plan A fails



SI YU'OS MA'ASE

