

BY ORDER OF THE COMMANDER

**FAIRCHILD AIR FORCE BASE
INSTRUCTION 32-023**

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Civil Engineering



ENERGY MANAGEMENT PROGRAM

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction provides guidance for energy use by base personnel and defines energy management responsibilities of the Energy Management Steering Group (EMSG). It applies to all staff agencies and organizations on Fairchild AFB. The wing energy management program includes three areas of focus: aircraft, vehicles and utilities. Base personnel should seek methods of conserving energy in these areas and thereby further national energy policy and obtain monetary savings. Effective energy conservation requires the support of every member of Team Fairchild, and energy usage can be reduced by vigilance and sound management. See **Attachment 1** for glossary of references and supporting information. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 37-123, *Management of Records*, and disposed of in accordance with the Air Force Web-RIMS Records Disposition Schedule (RDS) located at <https://webrims.amc.af.mil/rds/index.cfm>.

SUMMARY OF REVISIONS

This document has been revised and must be reviewed in its entirety.

1. COMPLIANCE: Energy management policy is assessed by taking measurements in two areas: Mobility Energy and Utility Energy.

1.1. **Mobility Energy:** Consists of actual fuel consumption for aircraft and vehicle operations. Measuring compliance with the policy for reducing mobility energy will be accomplished by assessing actual petroleum consumption. Measurement will be charted annually and compared to the Fiscal Year (FY) 85 baseline for aircraft operations and FY91 baseline for vehicle operations.

1.2. **Utility Energy:** Consists of utility consumption including electricity, natural gas, petroleum and others. Utility consumption includes installation and industrial operations. Installation operations and industrial operations will be charted annually and compared to the FY85 baseline.

2. POLICIES:

2.1. The EMSG will coordinate all energy matters. The 92 CES/CEOE will be the office of primary responsibility for the EMSG, with the 92 ARW/CV as chairperson. The 92 MSG and 92 OG are offices of collateral responsibility. The EMSG will consist of representatives from all major energy consuming activities as follows:

92 ARW/CV	92 MXG/CC	92 LRS/CC	92 ARW/PA
92 MSG/CC	92 MDG/CC	2 SS/CC	
92 OG/CC	336 TRG/CC	92 CES/CC/CEOE	

2.2. The group will meet to promote energy awareness, review energy program status and issues, identify to the commander necessary actions, ensure implementation of energy policies, directives and plans, and ensure effectiveness of the energy program.

2.3. EMSG meetings will occur semiannually.

3. RESPONSIBILITIES:

3.1. The 92d Air Refueling Wing Vice Wing Commander (92 ARW/CV) will be the EMSG chairperson. The chairperson will be responsible for implementation and formulation of all energy policies and ensure the projects and programs of the base fulfill those policies.

3.2. The 92d Civil Engineer Squadron, Maintenance Engineering Flight (92 CES/CEOE) will act as the Base Energy Manager and will ensure duties as outlined in AFD 23-3, *Energy Management*, are accomplished. The Base Energy Manager will arrange meetings and agendas, and maintain correspondence and meeting minutes. The Base Energy Manager will coordinate closely with the EMSG chairperson.

3.3. The 92d Operations Support Squadron, Weather Flight (92 OSS/OSW) will report on current weather and will compare recent weather with climatological averages. They will also report on any long-range forecasts available.

3.4. The 92d Logistic Readiness Squadron (92 LRS) will report on vehicle mobility energy consumption.

3.5. The 92d LRS is responsible to account for fuel usage basewide, and is tasked to research fuel consumption, and will report information to designated EMSG representative.

3.6. The 92d Operations Group (92 OG) will report on aircraft mobility energy consumption.

3.7. The 92d Civil Engineer Squadron (92 CES) will report on utility energy consumption.

3.8. All other members are expected to report to their respective organizations on developments in energy policies and programs. All other members will also ensure sound energy management practices are utilized throughout the base.

4. UTILITY ENERGY CONSERVATION (OPR: 92 CES):

4.1. 92 CES/CEOE shall research methods of reducing utility energy consumption by purchasing efficient and cost-effective equipment, and replacing overpowered equipment with lower-powered equip-

ment, where warranted. The base shall increase utility energy efficiency through capital investments and improved operations.

4.2. **Electricity Conservation:** Base personnel shall make sure all lights and other electrical units are not used more than necessary.

4.3. **Heating and Air Conditioning Conservation:**

4.3.1. Any space not used at night, during weekends and holidays shall be heated to the lowest temperature or cooled to the highest temperature necessary for mission accomplishment and protection of health and property. Energy Management Control System (EMCS) shall be used to program setbacks at night, on weekends or during periods of non-occupancy. This paragraph does not apply to military family housing units and dormitories.

4.3.2. In base facilities, all heating and cooling controls shall be fixed and set by Civil Engineering personnel. Civil Engineering will curtail utility use in accordance with a load shedding plan and will curtail utility use in accordance with a shelter-in-place plan.

4.3.3. In base facilities, mechanical rooms are off limits to unauthorized personnel.

4.3.4. When heating or air conditioning equipment is being used, all windows and doors shall be closed except for ingress or egress, or where required for ventilation. Hangar doors shall be used only for aircraft entry and exit where vehicle and personnel doors also exist. Vehicles shall use vehicle doors and personnel shall use personnel doors where they exist. If opened, heating or air conditioning shall be shut off.

4.3.5. When housing occupants temporarily vacate their base house, due to TDY or leave, the occupant shall set the thermostat to 50° Fahrenheit in the heating season.

4.3.6. Hot water temperature for domestic and lavatory use shall be limited to 140° Fahrenheit, or the manufacturer's recommended temperature. This paragraph does not apply to military family housing units and dormitories.

5. MOBILITY ENERGY CONSERVATION: The 92 MSG and 92 OG are responsible for managing the mobility energy program. The 92 OG is responsible for monitoring aircraft fuel consumption and implementing efficient aircraft operating guidance. The 92 MSG is responsible for managing, effectively maintaining and acquiring an energy efficient vehicle fleet.

6. VEHICLE OPERATIONS FUEL CONSERVATION (OPR: 92 LRS):

6.1. The Vehicle Management Flight shall implement AFI 24-301, *Vehicle Operations*, and ensure the efficient and economical operation of the base vehicle fleet. This policy lists fleet management responsibilities, dispatch operations responsibilities and all personnel responsibilities.

6.1.1. Vehicle users shall be trained to conserve fuel by using appropriately sized vehicles, riding together if possible and scheduling to minimize number of trips and distance. The LRS shall analyze transportation services to ensure they are cost effective, efficient and customer-service oriented.

6.1.2. It shall be the responsibility of all personnel using Air Force vehicles to: ensure proper care, inspection and maintenance on vehicles are performed, ensure vehicle malfunctions are reported

to vehicle maintenance and vehicle is made available for repairs, prevent misuse, abuse and damage to unit vehicles, and enforce Air Force vehicle official use policies.

6.1.3. Other methods of reducing vehicle fuel consumption are by reducing idle time by turning vehicle off if waiting more than three minutes, not exceeding the speed limit and parking vehicles inside garages.

7. AIRCRAFT OPERATIONS FUEL CONSERVATION (OPR: 92 OG):

7.1. Energy efficiency in flying operations can be obtained by two methods: obtaining fuel-efficient aircraft and modifying flying operations to take advantage of fuel-efficient altitude and speed.

7.2. AFD 23-3, *Energy Management*, states energy efficiency will be incorporated into the decision-making process during the design and acquisition of aircraft.

7.3. The wing will be proactive when managing flying operations. These modifications are included in AFI 112-KC135V3, Vol 10, FAFB Sup 1, *C/KC-135 Operations Procedures*.

8. ENERGY CONSERVATION VIOLATIONS:

8.1. Reporting energy conservation violations is every Air Force member's responsibility. Unit commanders, supervisors and facility managers are first in the line of action on energy conservation issues.

8.2. More than one violation of aforementioned energy conservation guidelines by a person in base housing can be grounds for removal from base housing.

9. ENERGY CONSERVATION SUGGESTIONS AND ACHIEVEMENTS:

9.1. Energy conservation suggestions can be forwarded to 92 CES/CEOE.

9.2. Significant achievements of individuals and organizations for conserving aircraft, vehicle and utility energy shall be recognized and rewarded by the EMSG.

ANTHONY M. MAUER, Colonel, USAF
Commander, 92d Air Refueling Wing

Attachment 1

GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION

References

AFPD 23-3, *Energy Management*

AFI 11-2KC-135V3CH10/FAFBSup1, *C/KC-135 Operations Procedures*

AFI 24-301, *Vehicle Operations*

Abbreviations and Acronyms

AFI— Air Force Instruction

AFMAN— Air Force Manual

AFPD— Air Force Policy Directive

EMCS— Energy Management Control System

EMSG— Energy Management Steering Group

FAFBI— Fairchild Air Force Base Instruction

FY— Fiscal Year

RDS— Record Disposition Schedule

TDY— Temporary Duty