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## United States Department of the Interior

NATIONAL PARK SERVICE  
WASHINGTON, D.C 20240

IN REPLY REFER TO:

A5627 (493)

November 1, 1978

Memorandum

Annual Review

STAFF DIRECTIVE 78-10

To: Directorate and Field Directorate  
From: Associate Director, Management & Operations  
Subject: Metering of Water and Energy Use - New Construction

Executive Order 12003, "Energy Policy and Conservation," charges all executive agencies with responsibility for meeting specific energy reduction goals in all facets of their operations.

One of the impediments to accurate reporting of energy consumption in parks and development and implementation of energy conservation management plans has been the lack of specific data on energy use for the various categories of buildings and other energy-using facilities. Metering of energy use is one of the tools necessary for reporting, monitoring, and evaluating performance in achieving the mandated goals.

As of October 1, 1978, the National Park Service will equip all new buildings and new physical plants (sewage and water systems, major pumps, lighting systems, etc.) which will commence operation in Fiscal Year 1979 and subsequent years with meters in accordance with the following criteria:

- All energy inputs will be metered, i.e., electrical, natural gas, steam.
- Oil, liquefied petroleum, coal, and other energy sources should continue to be measured upon delivery to a specific facility. However, if the fuel is redistributed to other facilities from a central storage location, the fuel must be measured at the use point.
- When electrical generators are used, the fuel consumed to drive the generator will be measured and the individual buildings or facilities serviced will also be metered. The difference in BTU's consumed will be proportionately divided and added to each metered building.

- Renewable alternate energy sources, such as photovoltaics, wind generators, geothermal, biomass, and hydroelectric, will be metered the same as other sources. However, reporting and monitoring of energy use will be handled separately.
- Each dwelling unit of government-furnished quarters which is intended to be leased to employees or contractors on a long-term basis, such as the visitor season, will be individually metered. Temporary or seasonal quarters, such as dormitories, bunkhouses, or individual rooms in sleeping quarters which have centralized kitchens or off-site cafeterias, need not be metered for each occupant.
- Groups of buildings which have identical uses and similar energy consumption requirements, such as comfort stations in a camp ground, lighting in vehicle storage sheds, service buildings in a maintenance yard (exclusive of shops and offices), etc., should be centrally metered.
- All water service to buildings and other facilities will be metered at the use point.

It is not intended that these criteria will cover every conceivable decision whether to meter. The Regional and Denver Service Center Energy Coordinators will assist in making a determination in those cases where it is not clear. The intent is to obtain the data necessary to conduct an accurate energy management program and meet the requirements of guidelines provided by the Department of Energy for carrying out Executive Order 12003.

A handwritten signature in black ink, appearing to read "David J. Frazier". The signature is written in a cursive style with a large initial "D" and "F".



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