

meaningful public participation. FDA agreed to take steps to improve its guidance document procedures. In the Federal Register of March 7, 1996 (61 FR 9181), FDA published a notice that sets forth its current thinking on ways to improve its guidance document procedures and solicited comment on these and additional ideas for improvement. The purpose of this public meeting is to further discuss the issues set forth in the notice published in the Federal Register of March 7, 1996 (61 FR 9181).

Dated: March 29, 1996.

William K. Hubbard,

Associate Commissioner for Policy Coordination.

[FR Doc. 96-8359 Filed 4-1-96; 3:25 pm]

BILLING CODE 4160-01-F

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

[Docket No. FR-3919-N-02]

Office of the Assistant Secretary for Public and Indian Housing; Notice of Proposed Information Collection for Public Comment

AGENCY: Office of the Assistant Secretary for Public and Indian Housing, HUD.

ACTION: Notice.

SUMMARY: The proposed information collection requirement described below will be submitted to the Office of Management and Budget (OMB) for review, as required by the Paperwork Reduction Act. The Department is soliciting public comments on the subject proposal.

DATES: *Comments due:* June 3, 1996.

ADDRESSES: Interested persons are invited to submit comments regarding this proposal. Comments should refer to

the proposal by name and/or OMB Control Number and should be sent to: Mildred M. Hamman, Reports Liaison Officer, Public and Indian Housing, Department of Housing and Urban Development, 451-7th Street, SW, Room 4255, Washington, D.C. 20410-5000.

FOR FURTHER INFORMATION CONTACT: Mildred M. Hamman, (202) 708-0846, for copies of the proposed forms and other available documents. (This is not a toll-free number).

SUPPLEMENTARY INFORMATION: The Department will submit the proposed information collection to OMB for review, as required by the Paperwork Reduction Act of 1995 (44 U.S.C. Chapter 35, as amended).

This Notice is soliciting comments from members of the public and affected agencies concerning the proposed collection of information to: (1) Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information will have practical utility; (2) evaluate the accuracy of the agency's estimate of the burden of the proposed collection of information; (3) enhance the quality, utility, and clarity of the information to be collected; and (4) minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated collection techniques or other forms of information technology; e.g., permitting electronic submission of responses.

This Notice also lists the following information:

Title of Proposal: Public and Indian Housing—Life Cycle Cost Analysis of Utility Combinations in Public Housing.

OMB Control Number: 2577-0024.

Description of the Need for the Information and Proposed Use: The U.S. Housing Act of 1937, as amended,

requires that, to the maximum extent practicable, newly constructed and substantially rehabilitated developments assisted under the Act be equipped with heating and cooling systems selected on the basis of criteria which include a life-cycle cost analysis of such systems. The Housing and Community Development Act of 1980 requires these developments to be equipped with a passive or active solar energy system that would be cost effective over the estimated life of the system to be installed. The life-cycle cost analysis of utility combinations (LCCAUC) is necessary to compare and recommend the most cost-effective utility-combination for new constructions or rehabilitation projects.

Agency Form Number: HUD-51994 (Optional).

Members of Affected Public: PHAs; IHAs.

Estimation of the Total Number of Hours Needed To Prepare the Information Collection Including Number of Respondents, Frequency of Response, and Hours of Response: 238 respondents, one occasion for each (a) newly constructed development, (b) substantially rehabilitated development or (c) modernization project involving a change in utility combination, 6.0 average hours per response, 1,428 total burden hours.

Status of the Proposed Information Collection: Reinstatement of a Previously Approved Collection for Which Approval has Expired.

Authority: Section 3506 of the Paperwork Reduction Act of 1995, 44 U.S.C. Chapter 35, as amended.

Dated: March 27, 1996.

Michael B. Janis,

General Deputy Assistant Secretary for Public and Indian Housing.

BILLING CODE 4210-33-M

**Life-Cycle Cost Analysis
of Utility Combinations
Part A—Summary**

U.S. Department of Housing
and Urban Development
Office of Public
and Indian Housing



OMB. No. 2577-0024 (Exp. 10-31-86)

1. Public/Indian Housing Agency	2. Project Number	3. Date
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4. By (Name and Title)	5. Prepared By
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Utility Combinations ▶	Comb. No. ____	Comb. No. ____	Comb. No. ____	Comb. No. ____
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6. Domestic Hot Water Installation				
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7a. Space Heating Installation				
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b. Space Heating System				
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8. Space Air Conditioning Installation				
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Fuel and Energy Types and Purchasing Methods	Tenant	Master-meter	Tenant	Master-meter	Tenant	Master-meter	Tenant	Master-meter
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9. Lighting and Refrigeration								
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10. Cooking								
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11. Domestic Hot Water								
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12. Space Heating								
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13. Space Air Conditioning								
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Initial Cost of Utility Installation								
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14. Per Dwelling Unit	\$		\$		\$		\$	
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15. Total	\$		\$		\$		\$	
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Estimated Cost Per Unit Per Month								
--	--	--	--	--	--	--	--	--

16. Electricity	\$		\$		\$		\$	
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17. Gas	\$		\$		\$		\$	
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18. Fuel and Heating/Cooling Supplies	\$		\$		\$		\$	
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19. Heating/Cooling Labor	\$		\$		\$		\$	
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20. Repairs, Maintenance and Replacements (20 year average)	\$		\$		\$		\$	
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21. Interest	\$		\$		\$		\$	
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22. Total Monthly Cost	\$		\$		\$		\$	
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23. Recommended: Combination No. _____

24. Justification of Recommendation:

Instructions for Part A - Summary

Space is provided in Part A of this form for all applicable costs and charges for four utility combinations. Use as many sheets of Part A as are required to summarize all combinations. The data required to complete Part A should be derived from Parts B, C, and D.

Domestic Hot Water, Space Heating, and Cooling. Indicate on line 6 the type of water heating to be used in each combination (central plant or individual heaters). If individual heaters, indicate also whether automatic storage, instantaneous, etc. Indicate on line 7a the kind of space heating to be used by each combination (central, separate building plants, or individual dwelling unit systems). Show on line 7b the type of heating system (warm air, steam, water, etc.) Indicate on line 8 the type of cooling system (heat pump, chilled water, chilled air, evaporative coolers, etc.)

Fuel and Energy Types and Purchasing Methods. Enter on lines 9, 10, 11, 12, and 13 for each combination the symbols shown below to indicate the types of fuels and energy to be used for each of these items. If the service is to be supplied by the tenant, insert the appropriate symbols in the Tenant column. If it is to be supplied by the project, insert it in the Mastermeter column.

E - Electricity	C - Coal	PS - Purchased District Heating
G - Gas	LPG - Liquefied	S - Solar Energy
FO - Fuel Oil	Petroleum Gas	O - Other (specify)

Initial Cost of Utility Installation. Enter in line 14 the total initial cost per dwelling unit of the facilities and equipment required for each combination as shown at the bottom of Page 2, Part D. Enter in line 15 the total initial

cost for the project of the facilities and equipment obtained by multiplying the amounts entered in Line 14 by the number of dwelling units.

Estimated Cost Per Unit Month. Enter on lines 16 and 17 the costs for electricity and gas for each combination as taken from Part C, line 15 (tenant) or line 18 (mastermeter) as the case may be. Enter on lines 16-18 fuel costs (other than electricity or gas) as shown on lines 15 or 18 of Part C, and the cost of Heating/Cooling Supplies as shown on line 20 of Part C. Enter on line 19 the estimated cost of Heating/Cooling Labor taken from Line 26 of Part C. Enter on line 20 the average monthly expense for Repairs, Maintenance, and Replacements, which is 1/12 of the amount shown at the bottom of Page 2 of Part D. Enter on line 21 the monthly interest charge, which is 1/12 of the interest of the initial cost as shown above on line 14 of Part A. The total of the amounts entered in lines 16 to 21 inclusive should be entered on line 22 for each combination.

Recommended Combinations. Enter opposite this heading the number of the utility combination which the Public/Indian Housing Agency recommends for the project.

Justification of Recommendation. If the utility combination recommended is the lowest estimated cost per dwelling unit, the Public/Indian Housing Agency shall state that it considers the combination suitable for the locality. If, however, a combination other than the one resulting in the lowest cost is recommended, a detailed and comprehensive justification must be submitted, using additional sheets if necessary.

**Part B
General Information**

OMB No. 2577-0024 (Exp. 10-31-86)

1. Public Housing Agency	2. Project Number	3. Date
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Please make sure the information on this form is as complete and accurate as possible. One Part B is required for each project. On lines 4 through 8, Column 1, indicate the number of dwelling units in each category listed. On lines 4 through 8, Column 4, indicate the number of buildings of the various heights entered in Column 3. Column 5 shows the total number of rooms in the buildings.

Dwelling Size	Number of Dwellings	Height of Buildings (Number of Stories)	Number of Buildings	Number of Rooms
4. One Bedroom				
5. Two Bedrooms				
6. Three Bedrooms				
7. Four Bedrooms				
8. Total				

Climatic Data. Winter/Summer design temperatures are the established base temperatures for design of heating/cooling installations in the locality. It may be obtained from the Handbook of the American Society of Heating, Refrigeration and Air-Conditioning Engineers. Annual Degree Days and Equivalent Full Load Hours may be obtained from the same source or from the Weather Bureau. Average Cold Water Temperature may be obtained from the local water utility.

12a. Winter Design Temperature °F	13a. Annual Degree Days	14. Average Cold Water Temp. °F
12b. Summer Design Temperature °F	13b. Equivalent Full Load Hours	

Energy and Fuel Supplies. Enter names of suppliers of electricity, gas, fuel oil and coal, together with physical characteristics as indicated. Volts, cycles, and Btu contents per unit of measure may be obtained from the respective suppliers. In space provided, list any fuel or energy other than those listed.

15. Electricity Supplied By:	Volts	cycles
16. Gas Supplied by:	BTU per.	
17. No. Fuel Oil Supplied by:	BTU per.	
18. Coal Supplied by:	BTU per.	
19. (Other) Supplied by:	BTU per.	

Estimated Average Unit Costs. Enter the appropriate value for the combination recommended by the Public Housing Agency and the other three combinations of lowest cost. These values may be calculated from the quantities and costs shown in Part C. For retail purchases, divide costs from Line 11, Part C, by quantities from Line 8, Part C. For wholesale purchases, divide costs from Line 14 by quantities on Line 10 for the particular combination.

Estimated Average Unit Costs	Comb. No. ____							
	Tenant	Mastermeter	Tenant	Mastermeter	Tenant	Mastermeter	Tenant	Mastermeter
20. Electricity ¢ per kwh								
21. Gas ¢ per Mcf or Therm.								
22. Fuel Oil ¢ per gallon or \$ per barrel								
23. Coal ¢ per ton								
24. Other								

Instructions for Part B - General Information

Part B provides for the assembly of information relating to the project, to local conditions under which the project will operate, and fuel and energy available for utility services. Please make sure the information on this form is as complete and accurate as possible. One Part B is required for each project.

Dwelling Size. On lines 4 to 8, column 2, indicate the number of dwelling units in each category listed in column 1.

On lines 4 to 8, column 4, indicate the number of buildings of the various heights entered in column 3. Column 5 shows the total number of rooms for the buildings of different heights.

Climatic Data. Winter and summer design temperatures are the established bases for design of heating installations in the locality. These may be obtained from the 'Handbook of the American Society of Heating, Refrigeration, and Air-Conditioning Engineers.' Annual Degree Days and

Equivalent Full Load Hours may be obtained from the same sources or from the Weather Bureau. Average cold water temperature may be obtained from the local water utility.

Energy and Fuel Supplies. On lines 15, 16, 17, and 18, enter the names of the suppliers of electricity, gas, fuel oil and coal, together with the physical characteristics as indicated. Volts, cycles and BTU contents per unit of measurement may be obtained from the respective suppliers. Line 19 is for any fuel or energy other than those listed.

Estimated Average Unit Costs. On lines 20, 21, 22, 23 and 24, enter the appropriate values for the combination recommended by the Public Housing Agency and the other three combinations of lowest cost. These values may be calculated from the quantities and costs shown in Part C. For retail purchases, divide the costs from line 17, Part C by the quantities from line 11 Part C. Similarly for wholesale purchases, divide the costs from line 20 by the quantities shown in line 16 for the particular combination.

**Part C
Fuel and Energy Heating Supplies,
Heating Labor**

OMB No. 2577-0024 (Exp. 10-31-86)

1. Public/Indian Housing Agency	2. Project Number	3. Date
4. Combination No.		

Fuel and Energy ►	Electricity		Gas	Oil	Coal	Other
Method of Purchase (Mastermeter or Tenant)						
Rate Schedule Designation (Rates used in determining cost on Lines 15, 17 & 18)						
Average Monthly Consumption per Dwelling Unit For:	KW Demand	KWH Consumption	MCF or Therms	Gallons	Tons	Other
5. Lighting and Refrigeration						
6. Space Air Conditioning						
7. Cooking						
8. Domestic Hot Water						
9. Space Heating						
10. Street Lighting						
11. General Project Use						
12. Net Total						
13. On-Site Losses						
14. Total Fuel and Energy Per Dwelling Unit						
Tenant Purchases						
15. Average Cost Per DU Per Month		\$	\$	\$	\$	\$
Mastermeter Purchases						
16. Average Project Demand and Consumption Per Month						
17. Average Project Cost Per Month		\$	\$	\$	\$	\$
18. Average Cost Per DU Per Month		\$	\$	\$	\$	\$
Heating/Cooling Supplies						
19. Estimated Total Per Year					\$	
20. Cost Per DU Per Month						
Heating/Cooling Labor						
21. Chief Engineer		for	months, at	\$	\$	
22. Engineers		for	months, at	\$	\$	
23. Firemen		for	months, at	\$	\$	
24. Other		for	months, at	\$	\$	
25. Total Annual Labor Cost					\$	
26. Labor Per Dwelling Unit Per Month					\$	

Instructions for Part C-Cost of Fuel, Energy, Heating Supplies, and Heating Labor

Part C of Form HUD-51994 provides for the assembly of data and computation of costs for one utility combination. Prepare separate forms for each utility combination analyzed.

Sources of Data. Data for consumption and cost should be based upon local experience where available. Otherwise data may be obtained from local distributors and from Handbook 7418.1.

Fuel and Energy. On line captioned "Method of Purchase" indicate, for each type of fuel or energy, whether purchased at mastermeter or tenant. On line captioned 'Rate Schedule Designation' show schedule designation of the rates used in determining the cost on lines 15, 17, and 18. On lines numbered 5 to 11 enter estimated monthly consumption in kw.-hr. per dwelling unit for each use of electric energy. Where the rate schedule includes a demand charge, insert, in the space provided, the demand in kilowatts; if demand is measured in kilovolt-amperes or horsepower, substitute the proper term in column heading. Add the demands and consumption and enter totals on Line 12. For energy and fuels purchased mastermeter, insert estimated losses on line 13, and total on line 14. Proceed similarly for other fuels except that no on-site losses should be calculated for oil, coal, and similar fuels.

The blank column at the right-hand edge of the form is for any fuel or energy other than those listed. List the fuel used at head of column.

Tenant Purchases. Values for line 15 may be obtained by applying the proper rate schedules and fuel costs to demand and consumption figures on line 14 for columns representing retail purchases.

Mastermeter Purchases. Values for line 16 may be obtained by multiplying the demand and consumption figures on line 14 for columns representing mastermeter purchases by the number of dwelling units.

Values for line 17 may be obtained by applying the proper rate schedules and fuel costs to the demand and consumption figures in line 16.

Values for line 18 may be obtained by dividing the respective figures from line 17 by the number of dwelling units.

Heating/Cooling Supplies. On line 19 enter estimated total cost per year for Heating Supplies for the combination being analyzed. Divide by the number of dwelling units and again divide by 12 to obtain cost per dwelling unit per month and enter result on line 20.

Heating/Cooling Labor. For central, group, or building plants calculate the labor requirements and costs and enter in the spaces provided. On line 25 enter the total of lines 21, 22, 23, and 24. Divide the amount shown for Total Annual Labor Cost in line 25, by the number of dwelling units and again divide by 12. Enter the result in line 26.

**Initial Costs and Annual Repair,
Maintenance and Replacement Expense
Per Dwelling Unit**

OMB No. 2577-0024 (Exp. 10-31-86)

1. Public/Indian Housing Agency	2. Project Number	3. Date
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Facilities or Equipment	Combo. No. ____			Combo. No. ____			Combo. No. ____		
	Initial Cost Per DU	Annual RM & R Expense Per DU		Initial Cost Per DU	Annual RM & R Expense Per DU		Initial Cost Per DU	Annual RM & R Expense Per DU	
		Total Factor	Amount		Total Factor	Amount		Total Factor	Amount
Electric System									
Sub-station: Outdoor	\$	%	\$	\$	%	\$	\$	%	\$
Indoor									
Exterior Distribution									
Interior Wiring									
Checkmeters									
Gas System									
Exterior Distribution	\$	%	\$	\$	%	\$	\$	%	\$
Interior Piping									
Checkmeters									
Project Operated Domestic Hot Water									
Boilers & Aux. (DHW Only)	\$	%	\$	\$	%	\$	\$	%	\$
Firing Equipment (DHW Only)									
Tank with Heating Coil									
Circulating Pump									
Exterior Distribution									
Interior Piping									
Project Operated Space Heating/ Cooling									
Boilers & Aux. (SPH & DHW)	\$	%	\$	\$	%	\$	\$	%	\$
Firing Equipment (SPH & DHW)									
Exterior Distribution									
Interior Piping, Rads, etc.									
Electrical Work									
H ₂ O/Air Cooled Chiller									
H ₂ O/Air Cooled Absorption									
Comp. with Chiller									
Carried Forward	\$		\$	\$		\$	\$		\$

Part D (Page 2)
Initial Costs and Annual Repair,
Maintenance and Replacement Expense
Per Dwelling Unit

OMB No. 2577-0024 (Exp. 10-31-86)

Facilities or Equipment	Combo. No. ____			Combo. No. ____			Combo. No. ____		
	Initial Cost Per DU	Annual RM & R Expense Per DU		Initial Cost Per DU	Annual RM & R Expense Per DU		Initial Cost Per DU	Annual RM & R Expense Per DU	
		Total Factor	Amount		Total Factor	Amount		Total Factor	Amount
Brought Forward	\$		\$	\$		\$	\$		\$
Tenant Operated Domestic Hot Water									
Auto. Storage Heaters	\$	%	\$	\$	%	\$	\$	%	\$
Side Arm Heaters									
Pot Stove (coal fired)									
Storage Tank									
Hot Water Piping									
Tenant Operated Space Heating/Cooling									
Space Heaters	\$	%	\$	\$	%	\$	\$	%	\$
Floor Furnaces									
Warm Air Furnaces									
Steam Boiler, Radiators									
Hot Water Boiler, Radiators									
Burner (oil)									
Blower									
Draft Fan									
Pump									
Electrical Work									
Conversion Burner									
Heat Pump									
Thin-Wall A/C Unit									
Other Items									
Roads	\$	%	\$	\$	%	\$	\$	%	\$
Boiler Room									
Basement or Crawl Space									
Flues									
Major Appliances									
Refrigerators	\$	%	\$	\$	%	\$	\$	%	\$
Ranges									
Washer									
Dryer									
Total Per Dwelling Unit	\$		\$	\$		\$	\$		\$

HUD-51994 (12/85)
 HB. 7418.1