



2012 Multifamily Market Research Energy and Water Survey

Welcome to the Multifamily Market Research Energy and Water Survey. This survey is being conducted by ICF International. This survey is endorsed by the Commercial Real Estate Finance Council, the National Multi Housing Council, Urban Land Institute, and Fannie Mae Multifamily Mortgage Business.

Eligibility to participate in the survey

- Your property must have been occupied by residents for at least 11 months in 2011.
- You must provide 2011 energy and/or water data for your whole property. If you do not have energy and/or water consumption and cost data available for your entire property, you can request this data from your utility providers.
- Please refer to the document entitled “Accessing Energy and Water Data From Your Local Utility” in your survey packet for instructions on how to request your utility data.

Survey Instructions

- Base responses for property information for the 12-month period covering **January 2011 through December 2011**. Your responses should represent the average of 12 months, if the data is collected monthly.
- Provide **12 consecutive months** of energy and water consumption and cost data for the billing periods that fall between December 1, 2010 and January 31, 2012.
- If you have **multiple buildings on the same property**, your responses should represent the **aggregate of all buildings** on the property.
- If you are willing to provide data for properties other than the one(s) we are requesting, please contact us at mfenergywatersurvey@icfi.com to obtain survey IDs for those properties.

How to fill out this survey

- Fill in the circle(s) completely and neatly.
- Use a pencil in case you need to change a response. If you make a correction, please erase completely.
- Provide an answer for every question, even if the answer is “0” or “None”. This will minimize our need to follow up with you regarding incomplete responses.
- For numerical responses, please enter one number per box. If you have less numbers than boxes, align your numbers to the right. See example.

5 0

Alternate Ways to Submit the Survey

- You may complete this survey online. Please go to www.mfenergywatersurvey.com and use the survey ID provided on your cover letter.
- If you have your multifamily property’s data entered in **EPA’s ENERGY STAR Portfolio Manager Tool** please review the information in the instructional booklet on sharing to the survey’s Portfolio Manager **MFenergywatersurvey** Master Account. This will allow you to skip questions in this survey marked with a ★.
- You may use an Excel version of the survey, which could also be used to submit data for multiple properties at one time, please visit <https://www.efanniemae.com/mf/green/survey.jsp>.

Have Questions?

- See the accompanying **instructional booklet** for definitions and additional guidance on how to respond to the questions.
- Contact the Help Desk at mfenergywatersurvey@icfi.com or by calling 1-866-246-9875. Monday through Friday, 9 am–5 pm EST.

2012 Multifamily Energy and Water Market Research Survey

Please complete one survey per property. Each property address has been pre-populated in Question 1 below.

If multiple properties have been selected, you should have received separate survey packets. You may also fill out the survey(s) using an alternate method outlined on the previous page. If you choose Online or Excel, please provide the survey ID in the top right hand corner of the cover letter or the first page of this survey.

CONTACT INFORMATION

1. Please provide contact information for the person we should contact if we have follow up questions. Contact information will not be published nor will it be provided to EPA, ULI, NHMC, or CREFC.

Contact First Name: _____

Contact Last Name: _____

Company: _____

Title: _____

Telephone Number: _____

Email Address: _____

Property Name: _____

Property Street Address: _____

City: _____

State: _____

Zip Code: [][][][][][]

Primary Property Owner Name or Company (if different from above):

PROPERTY INFORMATION

2. If you are currently using EPA's Portfolio Manager to track your data, will you share your energy data with the survey's Portfolio Manager MFenergywatersurvey Master account?

¹ Yes ² No → GO TO QUESTION 3

If you share your data in Portfolio Manager, you can skip questions in the survey marked with a ★. However, for any information that you have not provided in Portfolio Manager, please be sure to provide the information in this survey.

- 2a. Provide your Portfolio Manager Building ID. [][][][][][][][]

3. What year was the property first built?

*If there are multiple buildings on the property, please enter a year between 1800 and 2011 in which the oldest building was completed. If the building has been **repurposed** (i.e. school house to rental apartments), please enter the year of the latest repurposing.*

[][][][]

4. **Select the primary property type present at your property.** (Fill in one option only.)

Note: See page 5 of the instructional booklet for definitions.

- ¹ Rental
- ² Cooperative
- ³ Condominium
- ⁴ None of the Above. Please explain: _____
- ⁵ More than one of the above. Please explain: _____

★ 5. **Select which type of resident population the property is primarily marketed to and/or dedicated to.**

(Fill in the one option that applies to more than 50% of the residents.)

Note: See pages 5 and 6 of the instructional booklet for definitions.

- ¹ No majority population/general purpose housing
- ² Military
- ³ Student
- ⁴ Senior/ Independent Living
- ⁵ Special Accessibility Needs
- ⁶ Other dedicated housing that represents the majority of the population.

Please explain: _____

6. **Does the property receive one or more types of public, local, state, or federal affordable housing subsidies (for some or all units)?** (Fill in one option only.)

Examples of these types of subsidies include:

- Federal Housing Association Insured
- Public Housing
- Agricultural Housing
- Veterans Affairs Housing
- Department of Defense Housing
- Low-Income Housing Tax Credits
- Project Based Housing Assistance Payment (including Section 8)
- Another type of local, state or federal subsidy

- ¹ Yes
- ² No
- ³ Unsure

7. **Does the property or do the residential tenants receive a government-provided subsidy payment for utility costs?** (Fill in one option only.)

- ¹ Yes
- ² No
- ³ Unsure

8. **Is the property rent controlled or rent stabilized?** (Fill in one option only.)

- ¹ Yes
- ² No
- ³ Unsure

9. Does this property have a green building certification? (Fill in all that apply.)

- ¹ None
- ² EarthCraft, Greater Atlanta Home Builders Association & South Face
- ³ Enterprise Green Communities Criteria, Enterprise Community Partners
- ⁴ Green Globes, Green Building Initiative
- ⁵ GreenPoint, Build It Green
- ⁶ Home Energy Rating System, RESNET
- ⁷ LEED, US Green Building Council
- ⁸ National Green Building Program, National Association of Home Builders
- ⁹ ENERGY STAR, U.S. Environmental Protection Agency
- ¹⁰ Other Green Building Certification. Please specify: _____

★ ENERGY AND WATER DATA

Energy and Water Data Overview:

In this section we are collecting 2011 energy and water consumption data and costs to help establish energy and water performance benchmarks for multifamily properties.

Energy and Water Data Instructions:

- Provide 12 consecutive months of utility consumption and cost data for billing periods that fall between December 1, 2010 and January 31, 2012. For example, if your data covers January 10, 2011 through January 9, 2012, that is acceptable.
- If you do not have energy and/or water consumption and cost data available for your entire property, you can request this data from your utility providers. Please refer to the document entitled “**Accessing Energy Water Data from your Local Utility**” in your survey packet for instructions on how to request your utility data.
- If available, provide separate entries for the common area, retail/commercial space, and resident/tenant space. You may aggregate data for resident/tenant meters into one entry for each fuel type and/or water. This will enable us to analyze how energy and water is used differently in each property space.
- Entries for monthly, quarterly, or semi-annual periods are preferred. If only annual data is available, that will also be accepted.
- Enter the dates, consumption, total cost, and units, as they appear on your energy and water bills.
- Water consumption data must include clean water consumption. If consumption includes more than one use (indoor, outdoor, waste water/sewer consumption), select “All” as the type of water use.
- Cost should include all fees, taxes, and other related service charges. Water costs must also **include** waste water/sewer charges.

Energy and Water Data Submission Options

The following three options are available for submitting your energy and/or water data.

Option A: Portfolio Manager. If you are using Portfolio Manager, you can share your energy data only to the survey’s Master Account **MFenergywatersurvey**. Water data cannot be shared through Portfolio Manager as we are collecting types of water that are not currently available in Portfolio Manager.

Option B: Submit data in an Excel file. Go to <https://www.efanniemae.com/mf/green/survey.jsp> and download the Energy and Water data file.

Option C: Paper Copy. Fill out the tables provided in this survey packet.

ENERGY DATA QUESTIONS

10. Which option are you selecting for submitting your energy data?

- ¹ Option A: Portfolio Manager ———> GO TO page 15
- ² Option B: Excel ———> GO TO <https://www.efanniemae.com/mf/green/survey.jsp>
- ³ Option C: Paper Copy ———> GO TO page 17

11. Confirm that the energy data you provided includes all energy consumption for the entire property in 2011. (Fill in one option only.)

- ¹ Yes, the energy data submitted represents 12 consecutive months of energy data for all meters serving the entire property in 2011, including the common area and tenant space. ———> GO TO QUESTION 13
- ² No, some of the property's energy consumption is missing.

12. Please select all spaces included in your energy data. (Fill in all that apply.)

- ¹ Entire common area space
- ² Some common area space (e.g. outdoor lighting only)
- ³ All residential (tenant) spaces
- ⁴ Some residential (tenant) spaces
- ⁵ All retail/commercial space
- ⁶ Some retail/commercial space

12a. Estimate the percentage of energy consumption that you provided for the spaces filled in above.

- ¹ 0–25%
- ² 26–50%
- ³ 51–75%
- ⁴ 76–100%

Note: For example, a 100 unit multifamily property that has a full year of data for 90 of its residential units would be estimated to represent the energy consumption for 76–100% of the property.

13. Is there a fitness center available on the property? (Fill in one option only.)

- ¹ Yes
- ² No ———> GO TO QUESTION 14

13a. Is the energy use associated with the fitness center in the energy consumption data you provided? (Fill in one option only.)

- ¹ Yes
- ² No

14. Is there an outdoor recreation area with lights on the property? (Fill in one option only.)

- ¹ Yes
- ² No ———> GO TO QUESTION 15

14a. Is the energy use associated with the outdoor recreation area in the energy consumption data you provided? (Fill in one option only.)

- ¹ Yes
² No

WATER DATA QUESTIONS

15. Which option are you selecting for submitting your water data?

Option A: Not available for water data

- ¹ Option B: Excel —→ GO TO <https://www.efanniemae.com/mf/green/survey.jsp>
³ Option C: Paper Copy —→ GO TO page 18

16. Confirm that the water data you provided includes all water and sewer consumption and costs for the entire property in 2011, including common area and tenant space. (Fill in one option only.)

- ¹ Yes, the water data submitted represents 12 consecutive months of water data for all meters serving the entire property in 2011, including the common area and tenant space. —→ GO TO QUESTION 18
² No, some of the property's water consumption is missing.

17. Estimate the percentage of water consumption that you provided for the types of water use filled in above.

- ¹ 0–25%
² 26–50%
³ 51–75%
⁴ 76–100%

18. Does the property utilize any unmetered water sources? (Fill in all that apply.)

- ¹ Rainwater harvesting (e.g. rain barrels, cisterns)
² Wells
³ Retention ponds
⁴ Other
⁵ None

19. Provide the total amount of irrigated areas (acreage or square feet) on the property grounds. Enter "0" if there are no areas that are irrigated on the property grounds.

—→ If 0, GO TO QUESTION 20

19a. Choose the unit of measure for the number provided in question 19. (Fill in one option only.)

- ¹ Acres
² Square footage

19b. Please indicate which of the following areas are irrigated on the property. (Fill in all that apply.)

- ¹ Garden/Shrub/Flower beds
² Trees
³ Open Space/Grass Lawns
⁴ Other: Please specify: _____

PROPERTY CHARACTERISTICS

Floor Area

Please provide the gross square footage of the following spaces for your property in 2011. If this information is not readily available, you may consult building drawings and blue prints, use a measuring wheel to measure units, and add the rentable square footage and common area square footage.

If your property does not have the space type listed, enter "0" in the far right box.

Note: See page 6 of the instructional booklet for additional guidance.

	Space	Gross Square Footage
★ 20.	All the indoor space in the building(s) on your property, including the basement but excluding parking	<input type="text"/>
21.	Residential space in the building(s) on your property. This is a sum of all residential units. Include unoccupied/vacant/down unit square footage.	<input type="text"/>
22.	Indoor common area space only (excluding parking lots and including basement space)	<input type="text"/>
23.	Retail and commercial tenant space in the building(s) on your property	<input type="text"/>

Your responses for questions 21, 22, and 23 should add up to the figure in question 20.

Parking

24. Please indicate the total square footage of each type of parking area. Do not use estimates. If there are no parking lots/garages associated with the property, or energy consumption associated with parking (e.g. lighting and/or ventilation) is not included in the energy data provided, please insert "0" in the far right box for all responses. Note: See page 6 of the instructional booklet for guidance.

	Space	Square Footage
★ 24a.	Open parking floor area	<input type="text"/>
★ 24b.	Non-enclosed parking floor area	<input type="text"/>
★ 24c.	Enclosed parking floor area	<input type="text"/>

★ 24d. How many hours per week can parking areas be accessed? (Enter 168 if parking is accessible 24/7.)

Building Type

25. For each building type on your property provide the number of stories above and below ground and the number of units associated with those buildings. Please ensure that every building on your property is accounted for. See page 7 of the instructional booklet for an example, definitions, and additional guidance.

25a. Building Type <i>(Fill in one option for each row.)</i>	25b. Number of buildings this applies to	25c. Number of stories above ground	25d. Number of stories below ground	25e. Number of units per building
<input type="radio"/> ¹ High-rise <input type="radio"/> ² Mid-rise <input type="radio"/> ³ Low-rise <input type="radio"/> ⁴ Garden <input type="radio"/> ⁵ Towngarden <input type="radio"/> ⁶ Townhouse <input type="radio"/> ⁷ Single Family <input type="radio"/> ⁸ Other. Please specify: _____	<div style="text-align: center;"> _ _ </div>	<div style="text-align: center;"> _ </div>	<div style="text-align: center;"> _ </div>	<div style="text-align: center;"> _ _ _ </div>
<input type="radio"/> ¹ High-rise <input type="radio"/> ² Mid-rise <input type="radio"/> ³ Low-rise <input type="radio"/> ⁴ Garden <input type="radio"/> ⁵ Towngarden <input type="radio"/> ⁶ Townhouse <input type="radio"/> ⁷ Single Family <input type="radio"/> ⁸ Other. Please specify: _____	<div style="text-align: center;"> _ _ </div>	<div style="text-align: center;"> _ </div>	<div style="text-align: center;"> _ </div>	<div style="text-align: center;"> _ _ _ </div>
<input type="radio"/> ¹ High-rise <input type="radio"/> ² Mid-rise <input type="radio"/> ³ Low-rise <input type="radio"/> ⁴ Garden <input type="radio"/> ⁵ Towngarden <input type="radio"/> ⁶ Townhouse <input type="radio"/> ⁷ Single Family <input type="radio"/> ⁸ Other. Please specify: _____	<div style="text-align: center;"> _ _ </div>	<div style="text-align: center;"> _ </div>	<div style="text-align: center;"> _ </div>	<div style="text-align: center;"> _ _ _ </div>

Note: If you need more rows, please contact us at mfenergywatersurvey@icfi.com.

26. As of December 31, 2011 and for all the buildings on the property, provide the number of units of each of the following configuration. The number of units should include the super's or manager's apartment, model units, vacant, occupied and down units.

Note: See page 8 of the instructional booklet for definitions.

	Unit Type	Total number of units
26a.	Total number of studio/efficiency/junior bedroom units	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
26b.	Total number of 1 bedroom units	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
26c.	Total number of 2 bedroom units	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
26d.	Total number of 3 bedroom units	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
26e.	Total number of 4 or more bedroom units	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

27. Provide the average physical occupancy percentage for the entire property based on the calendar year 2011. %

Note: Please ensure you have entered a number representative of physical occupancy, not vacancy.

Property Amenities

28. How many pools does your property have?

Do not include whirlpools, Jacuzzi tubs or hot tubs. Enter "0" if there are no pools on the property.

———→ If 0, GO TO QUESTION 29

28a. Pool type. (Select one pool per row.)	28b. Pool location	28c. Is the pool heated?	28d. Energy consumption and cost included in the data provided?	28e. Water consumption and cost included in data?	28f. Months in use in 2011
<input type="radio"/> ¹ Recreational (20 yards x 15 yards) <input type="radio"/> ² Short course (25 yards x 20 yards) <input type="radio"/> ³ Olympic (50 meters x 25 meters) <input type="radio"/> ⁴ Other. Please specify: _____	<input type="radio"/> ¹ Indoor <input type="radio"/> ² Outdoor	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="text"/> <input type="text"/> <input type="text"/>
<input type="radio"/> ¹ Recreational (20 yards x 15 yards) <input type="radio"/> ² Short course (25 yards x 20 yards) <input type="radio"/> ³ Olympic (50 meters x 25 meters) <input type="radio"/> ⁴ Other. Please specify: _____	<input type="radio"/> ¹ Indoor <input type="radio"/> ² Outdoor	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="text"/> <input type="text"/> <input type="text"/>

continued on next page

28a. Pool type. (Select one pool per row.)	28b. Pool location	28c. Is the pool heated?	28d. Energy consumption and cost included in the data provided?	28e. Water consumption and cost included in data?	28f. Months in use in 2011
<input type="radio"/> ¹ Recreational (20 yards x 15 yards) <input type="radio"/> ² Short course (25 yards x 20 yards) <input type="radio"/> ³ Olympic (50 meters x 25 meters) <input type="radio"/> ⁴ Other. Please specify: _____	<input type="radio"/> ¹ Indoor <input type="radio"/> ² Outdoor	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<input type="radio"/> ¹ Yes <input type="radio"/> ² No	<div style="text-align: center;"> <input type="text"/> <input type="text"/> </div>

Note: If you need more rows, please contact us at MFenergywatersurvey@icfi.com.

29. In the table below, provide the number of amenities in all of the buildings on the property (rental units, common buildings and commercial/retail space).

Notes: Please insert "0" if the amenity is not available in the space. Responses should include both inoperable and operable machines. Laundry hook ups should include both pay-per-use and free washer, dryer, or combination units with a unique plug. A half bathroom counts as one (1) bathroom.

	Amenity	Total number
29a.	Dishwasher hook ups	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
29b.	Laundry hook ups	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
29c.	Elevators, including penthouse and freight elevators	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
29d.	Bathrooms (include both half and full in all residential units)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
29e.	Common area bathrooms	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
29f.	Computers in common area staff spaces and retail/commercial space (including leasing and business center)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

30. Does the property have on-site commercial cooking, such as a restaurant or dining facility?
(Fill in one option only.)

¹ Yes ² No → GO TO QUESTION 31

30a. Number of walk-in refrigeration/freezer units.

Only include large units used to store refrigerated goods which a person can walk into. Enter "0" if there are none.

31. Provide an estimate of the percentage of all residential units that have kitchens.

Note: See page 8 of the instructional booklet for guidance. %

ENERGY AND WATER CHARACTERISTICS

Please refer to your maintenance manager or contractor if you are unsure about the energy and water characteristics of the building(s).

32. What percent of the gross indoor floor area is:

★ 32a. Heated by mechanical heating equipment (to the closest 10%) %

★ 32b. Cooled by mechanical cooling equipment (to the closest 10%) %

Note: Please use the following example as guidance for answering both 32a and 32b. If the entire building is cooled except for storage closets and back rooms that comprise 10% of the floor area, then 90% of the building would be considered cooled by mechanical cooling equipment.

33. Indicate who pays for each of the energy and water systems listed in the table below. See page 8 of the instructional booklet for definitions.

System	Paid By
33a. Hot Water System	<input type="radio"/> 1 Tenant--directly or individually metered <input type="radio"/> 2 Owner--master metered or invoiced <input type="radio"/> 3 Tenant through Ratio Utility Billing System (RUBS) <input type="radio"/> 4 Other _____
33b. Plug-load Plug-load is the electrical usage of outlets for appliances, TVs, lamps, etc.	<input type="radio"/> 1 Tenant--directly or individually metered <input type="radio"/> 2 Owner--master metered or invoiced <input type="radio"/> 3 Tenant through Ratio Utility Billing System (RUBS) <input type="radio"/> 4 Other _____
33c. Cooling System	<input type="radio"/> 1 Tenant--directly or individually metered <input type="radio"/> 2 Owner--master metered or invoiced <input type="radio"/> 3 Tenant through Ratio Utility Billing System (RUBS) <input type="radio"/> 4 Other _____
33d. Heating System	<input type="radio"/> 1 Tenant--directly or individually metered <input type="radio"/> 2 Owner--master metered or invoiced <input type="radio"/> 3 Tenant through Ratio Utility Billing System (RUBS) <input type="radio"/> 4 Other _____

34. Which type of **hot water system** supplies the residential units? (Fill in the one that applies to the majority of units on the property.)

- ¹ Combined with Heating Boiler
- ² Domestic Hot Water heater tank (standard)
- ³ Domestic Hot Water heater tank (condensing)
- ⁴ Domestic Hot Water heater heat pump
- ⁵ Domestic Hot Water heater central tankless
- ⁶ Hot Water heater point of use tankless
- ⁷ Central steam heat exchanger
- ⁸ Solar thermal (if more than 50% of the DHW load)
- ⁹ Co-generation/Combined Heat and Power
- ¹⁰ Other. Please specify: _____

34a. What is the **primary hot water fuel type** used to heat domestic water for the resident units? (Fill in one option only.)

- ¹ Electricity
- ² Natural Gas
- ³ Propane/Liquid Propane
- ⁴ District Hot Water
- ⁵ District Steam
- ⁶ Fuel Oil No. 1 and No. 2
- ⁷ Fuel Oil No. 4
- ⁸ Fuel Oil No. 5 and No. 6
- ⁹ Coal (anthracite, bituminous)
- ¹⁰ Kerosene
- ¹¹ Wood/Wood Pellets
- ¹² Solar
- ¹³ Other (ex: coke). Please specify: _____

35. Which type of **cooling system** is used by the residential units? (Fill in the one that applies to the majority of the property.)

- ¹ Window A/C
- ² Thru the Wall A/C
- ³ Individual Split System (air source heat pump)
- ⁴ Individual Split System (ground source/geothermal heat pump)
- ⁵ Ductless Split System
- ⁶ Central System—Electric Chiller—Air Cooled
- ⁷ Central System—Electric Chiller—Water Cooled
- ⁸ Central System—Absorption Chiller
- ⁹ Conventional Water Source Heat Pumps with Cooling Tower
- ¹⁰ Other. Please specify: _____
- ¹¹ No cooling system

36. Does the property have a commercial cooling tower? (Fill in one option only.)
- ¹ Yes
- ² No
37. Which type of **heating system** do the residential units have? (Fill in the one that applies to the majority of the property.)
- ¹ Forced Air Furnace
- ² Hot Water Boiler—Radiator/Baseboard
- ³ Hot Water Boiler—Fan Coil/PTAC
- ⁴ Steam Boiler to Hot Water—Baseboard/Radiator
- ⁵ Steam Boiler to Hot Water—Fan Coil/PTAC
- ⁶ Steam—1-pipe
- ⁷ Steam—2-pipe
- ⁸ Heat Pump—Air Source
- ⁹ Heat Pump—Ground Source
- ¹⁰ Electric Resistance
- ¹¹ Individual Split System (air source heat pump)
- ¹² Individual Split System (ground source/geothermal heat pump)
- ¹³ Heating stove burning wood, coal or coke
- ¹⁴ Portable electric heaters
- ¹⁵ Portable kerosene heaters
- ¹⁶ Fireplace
- ¹⁷ Other. Please specify: _____

PROPERTY MANAGEMENT

38. In what year was the last major renovation to your building(s) completed since the original construction (to your knowledge) that was valued at \$10,000 per unit or more? If no renovation took place or you are unsure, enter 0.

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- 38a. What type of renovation took place in that year? (Fill in all that apply.)

- ¹ Cosmetic (Kitchen cabinets, flooring, countertops, wall coverings, etc.)
- ² Envelope (Doors, windows, roof, siding, insulation)
- ³ Mechanical, Electrical, Plumbing—Central Plant (HVAC)
- ⁴ Mechanical, Electrical, Plumbing—Tenant Units (Lighting, appliances, plumbing fixtures)
- ¹⁷ Other. Please explain. _____

39. May we reach out to you at a later date to conduct further energy and water market research? Participation would be voluntary and agreeing to be contacted is not binding.

- ¹ Yes
- ² No

THANK YOU for filling out this survey.

ENERGY DATA SUBMISSION

Option A: Portfolio Manager. Complete this section if you are providing energy data through Portfolio Manager. Instructions to share your data with the MFenergywatersurvey Master Account begin on page 3 of the *instructional booklet*

1. Fill out one row for each meter entered in Portfolio Manager. Please ensure the meter ID numbers correspond to what is in Portfolio Manager.
2. Use the key to fill in the "Space Served" and "Paid By" columns. See page 4 of the *instructional booklet* for an example.

If you need more rows in the table, please contact mfenergywatersurvey@icfi.com.

Energy Data Table

KEY

Space Served	Paid By
01 Common space only	01 Owner
02 Residential (tenant) space only	02 Residential Tenant
03 Commercial/Retail space	03 Commercial/Retail Tenant
04 Multiple spaces (for any combination of the above 3 spaces)	04 Multiple parties
05 Whole Property	05 Other

Portfolio Manager Meter ID.	Space Served	Paid By
Provide the <u>last 10 digits</u> if your meter ID is longer than the number of spaces given.	Enter value using key above	Enter value using key above
□ □ □ □ □ □ □ □ □ □	□ □ □	□ □ □
□ □ □ □ □ □ □ □ □ □	□ □ □	□ □ □
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