



**MARATHON EQUIPMENT COMPANY**

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# Refuse Removal System Survey Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ e-mail: \_\_\_\_\_

Type Business:      Commercial      Industrial      Misc.

**Present Method of Handling:** Contractor: \_\_\_\_\_

Own Equipment: \_\_\_\_\_

**Type of Equipment Used:**

Open Trucks \_\_\_\_\_ Size \_\_\_\_\_

Compactor Trucks \_\_\_\_\_ Size & Type \_\_\_\_\_

Open Containers \_\_\_\_\_ Size \_\_\_\_\_

Incinerator \_\_\_\_\_ Capacity \_\_\_\_\_

Baler \_\_\_\_\_ Size & Type \_\_\_\_\_

**Total Volume of Refuse and Rubbish:**

Per Shift \_\_\_\_\_ Cubic Yard      Per Week \_\_\_\_\_ Cubic Yard

Per Day \_\_\_\_\_ Cubic Yard      Per Month \_\_\_\_\_ Cubic Yard

**Type of Refuse and Rubbish:**

| <b>Cu. Yd.</b> | Per Shift | Per Day | Per Week | Per Month |
|----------------|-----------|---------|----------|-----------|
| Cardboard      |           |         |          |           |
| Paper          |           |         |          |           |
| Mixed          |           |         |          |           |
| Wood           |           |         |          |           |
| Sludge         |           |         |          |           |
| Fly Ash        |           |         |          |           |
| Other          |           |         |          |           |

1. Rate of compactability of material based on above information.

\_\_\_\_\_

2. What methods are used for transporting solid wastes from point of generation to point of disposal? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

a. How many people are engaged in this task? \_\_\_\_\_

b. How many man hours? \_\_\_\_\_

c. What is the dollar value per hour? \_\_\_\_\_

3. a. How much space is being consumed for storage of waste inside the plant and out?

\_\_\_\_\_

b. What is the dollar value per square foot? \_\_\_\_\_

\_\_\_\_\_

4. a. Does, or can, all generated waste flow to one focal point? \_\_\_\_\_

b. Where? \_\_\_\_\_

5. Type and size of in-facility carts, if any. \_\_\_\_\_

\_\_\_\_\_

a. Are the carts equipped with casters, which would permit entraining to one central point? \_\_\_\_\_

\_\_\_\_\_

b. If the facility has standardized on a particular style of in-house cart, would it be feasible to design or modify a standard cart dumper to handle their needs? \_\_\_\_\_

6. Are tubes, barrels or boxes being used that could be replaced with in-house trash carts? \_\_\_\_\_

\_\_\_\_\_

(There are many methods, of course, of loading a Marathon Compactor other than trash carts – such as conveyors, fork trucks, chutes, by hand, etc.)

7. Are there low volume areas that can be handled with an open top container? \_\_\_\_\_

\_\_\_\_\_

8. a. Description of recyclables in waste system. \_\_\_\_\_

\_\_\_\_\_

b. Is there sufficient volume to justify segregation? \_\_\_\_\_

\_\_\_\_\_

c. Additional equipment recommended to handle or process recyclables? \_\_\_\_\_

\_\_\_\_\_

9. What are the dimensions of the larger items being discarded? \_\_\_\_\_

\_\_\_\_\_

10. Are there peak periods during which great quantities of material must be disposed of? \_\_\_\_\_

11. If they are transporting their own waste to the landfill, how are they charged – by the yard or by the ton? (If by the yard, compaction can significantly reduce landfill charge.)

12. What is the distance to the nearest disposal site? \_\_\_\_\_

13. A graph area is provided to sketch out floor plan of facility indicating proposed location of Marathon Compaction System, movement flow of refuse to proposed location and clearance around and over pick-up area.

**Cost Analysis - Present Refuse System**

Original Vehicle or Equipment Cost \$ \_\_\_\_\_

14.3% of Original Cost for Annual Cost  
(Over 7 Yr. For Investment Tax Credit)

Annual Vehicle Operating Cost (If Own Vehicle Used: Gas, Oil, Grease, Tires, Maintenance and Insurance) \$ \_\_\_\_\_

**Annual Labor Cost**

Supervisory: \_\_\_\_\_ X \_\_\_\_\_ X 12 \$ \_\_\_\_\_  
                  Number                  Monthly Rate                  Months

Laborers: \_\_\_\_\_ X \_\_\_\_\_ X 12 \$ \_\_\_\_\_  
                  Number                  Total Compensastion/Mo.                  Months

**ANNUAL REFUSE REMOVAL COST** (Monthly Pull x 12) \$ \_\_\_\_\_

**TOTAL ESTIMATED ANNUAL COST** \$ \_\_\_\_\_

**Cost Analysis - Marathon Compaction System**

Proposed Equipment Cost (Including Installation) \$ \_\_\_\_\_

14.3% of Proposed Cost for Annual Cost  
(Over 7 Years)

Monthly Lease Cost (If Desired)

Laborers: \_\_\_\_\_ X \_\_\_\_\_ X 12 \$ \_\_\_\_\_  
                  Number                  Total Compensastion/Mo.                  Months

**ANNUAL REFUSE REMOVAL COST** (Monthly Pull Cost x 12) \$ \_\_\_\_\_

