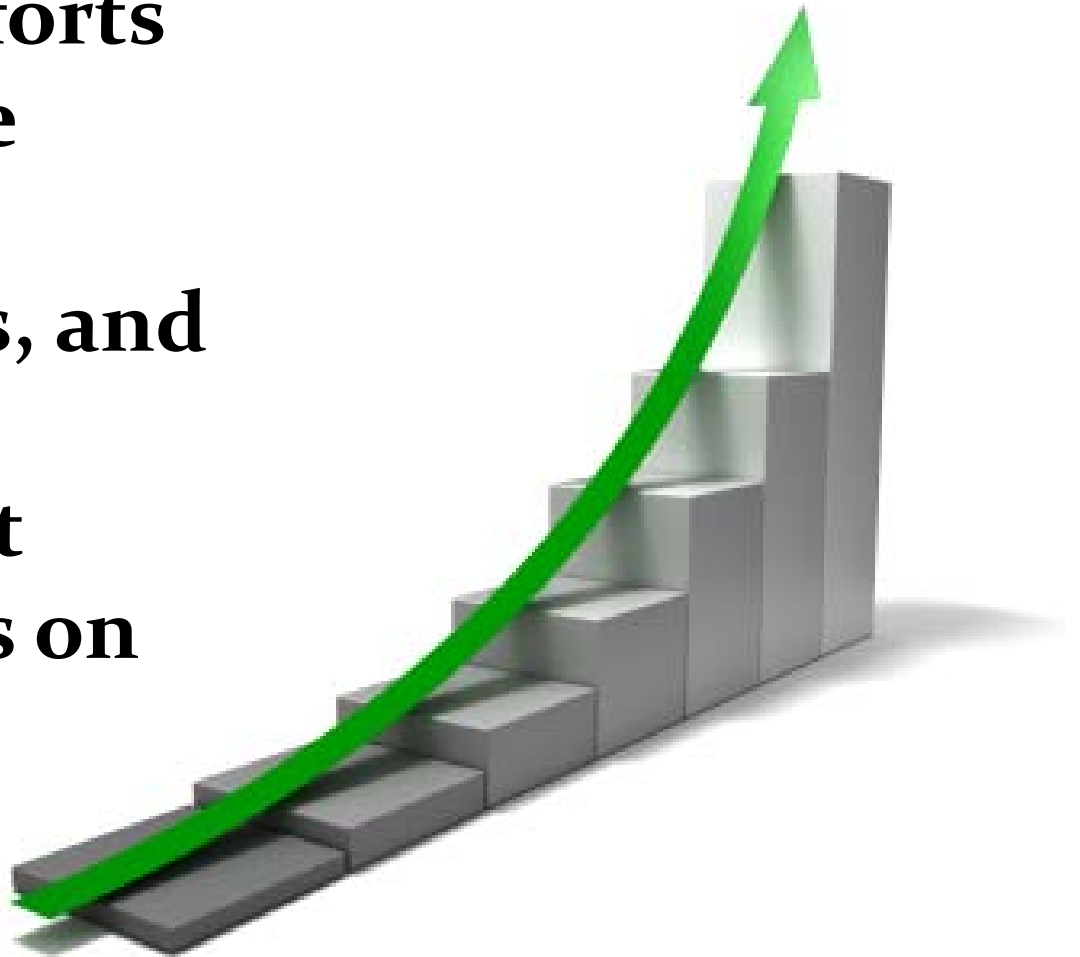


Corporate Recycling in Houston



Recycling in Houston

- Recycling efforts among office buildings, corporations, and property management companies is on the rise.



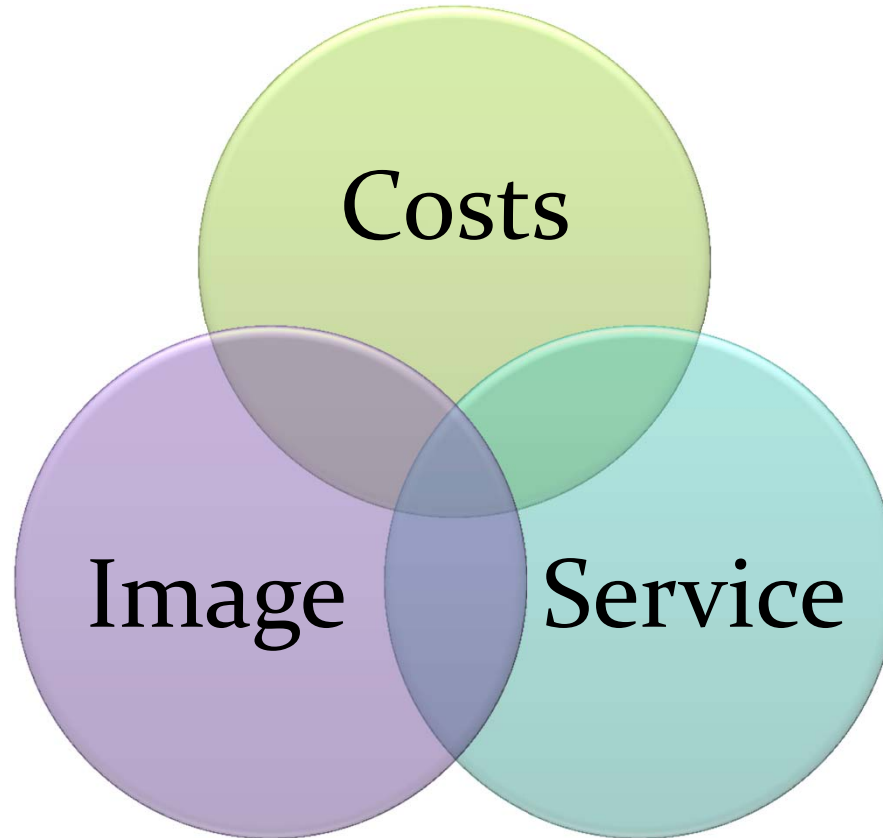
Recycling in Houston

- **Companies:**
 - **Want better programs**
 - **Want higher recycling rates**
 - **Want overall cost management**
 - **Are more willing to invest**



Recycling in Houston

- Why?

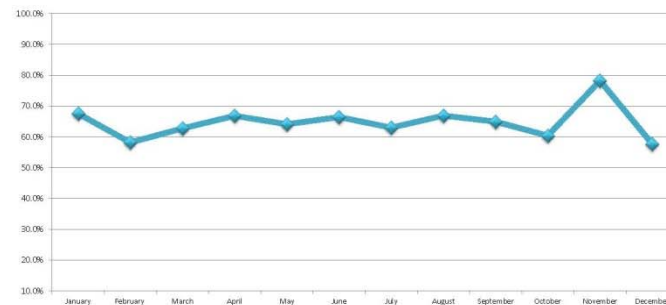


Recycling in Houston

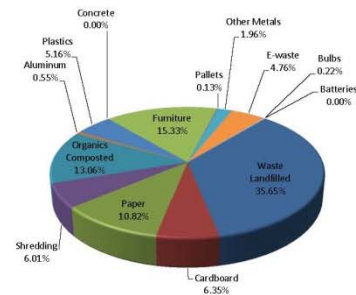
- More requests for:
 - Tonnage data

| MATERIALS | January | February | March | April | May | June | July | August | September | October | November | December | YTD |
|--------------------------------|---------|----------|---------|---------|---------|---------|---------|---------|-----------|---------|----------|----------|-----------|
| Total Waste Landfilled | 26.55 | 31.33 | 26.84 | 26.47 | 36.67 | 35.07 | 34.69 | 24.05 | 34.28 | 61.45 | 19.17 | 50.78 | 407.36 |
| Total Cardboard Recycled | 6.30 | 4.71 | 5.03 | 6.56 | 6.17 | 5.82 | 5.36 | 6.60 | 7.42 | 6.33 | 6.19 | 6.11 | 72.60 |
| Total Paper Recycled | 12.28 | 7.89 | 8.17 | 13.20 | 12.41 | 8.96 | 8.05 | 9.39 | 10.38 | 9.90 | 14.76 | 8.22 | 123.62 |
| Total Shredding Recycled | 5.46 | 4.24 | 6.71 | 4.38 | 6.61 | 6.20 | 7.16 | 4.94 | 3.17 | 6.01 | 10.55 | 3.25 | 68.68 |
| Total Organics Composted | 15.81 | 9.55 | 9.96 | 10.42 | 10.32 | 14.61 | 14.93 | 15.93 | 14.53 | 13.57 | 11.70 | 7.83 | 149.16 |
| Total Aluminum Recycled | 0.63 | 0.41 | 0.42 | 0.68 | 0.64 | 0.46 | 0.41 | 0.48 | 0.53 | 0.51 | 0.73 | 0.42 | 6.32 |
| Total Plastics Recycled | 3.29 | 3.32 | 4.35 | 3.49 | 4.15 | 5.06 | 5.20 | 5.07 | 8.00 | 7.48 | 3.88 | 5.72 | 59.01 |
| Total Concrete Recycled | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Furniture Recycled | 7.80 | 12.07 | 9.20 | 6.44 | 16.47 | 17.11 | 15.38 | 3.00 | 14.13 | 39.39 | 1.73 | 32.17 | 175.10 |
| Total Pallets Reused/Recycled | 0.06 | 0.07 | 0.04 | 0.01 | 0.06 | 0.02 | 0.06 | 0.04 | 0.05 | 0.04 | 1.01 | 0.02 | 1.47 |
| Total Other Metals Recycled | 1.80 | 1.13 | 1.13 | 1.24 | 1.35 | 2.59 | 2.14 | 3.04 | 2.81 | 2.48 | 0.90 | 1.80 | 22.41 |
| Total E-Waste Recycled | 0.00 | 0.20 | 0.23 | 6.72 | 7.28 | 7.96 | 0.35 | 0.09 | 2.44 | 7.86 | 17.53 | 3.68 | 54.34 |
| Total Bulbs Recycled | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 |
| Total Batteries Recycled | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Other Recycling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 0.00 | 2.53 |
| Total All Recycling | 55.24 | 43.59 | 45.24 | 53.34 | 65.46 | 69.46 | 59.03 | 48.58 | 63.46 | 93.57 | 68.99 | 69.23 | 735.18 |
| Total All Materials Generated | 81.79 | 74.92 | 72.08 | 79.81 | 102.13 | 104.53 | 99.72 | 72.63 | 97.74 | 155.02 | 88.16 | 120.01 | 1,142.54 |
| Diversion Rate | 67.54% | 58.18% | 62.76% | 66.83% | 64.09% | 66.45% | 62.99% | 66.88% | 64.93% | 60.36% | 78.25% | 57.69% | 64.35% |
| ENVIRONMENTAL SAVINGS | | | | | | | | | | | | | |
| Landfill Space Saved (cu yd) | 146 | 104 | 121 | 128 | 136 | 148 | 148 | 154 | 171 | 166 | 157 | 119 | 1,699 |
| Electricity Saved (kWh) | 136,146 | 101,637 | 121,589 | 136,586 | 145,416 | 136,727 | 133,776 | 138,429 | 159,056 | 159,116 | 168,917 | 124,088 | 1,661,483 |
| Barrels of Oil Saved | 14,432 | 10,753 | 12,697 | 14,698 | 15,570 | 13,946 | 13,769 | 13,960 | 16,076 | 16,268 | 18,456 | 12,758 | 173,583 |
| Air Pollution Prevented (lbs.) | 1,442 | 1,010 | 1,195 | 1,440 | 1,511 | 1,259 | 1,234 | 1,256 | 1,258 | 1,334 | 1,890 | 1,051 | 256,228 |
| Water Saved (gallons) | 168,280 | 117,880 | 139,370 | 168,980 | 176,330 | 146,881 | 144,005 | 146,476 | 146,789 | 155,663 | 220,500 | 123,094 | 1,854,246 |
| Trees Saved | 409 | 287 | 339 | 410 | 429 | 357 | 350 | 356 | 357 | 378 | 541 | 299 | 4,511 |

Diversion Rate by Month



Total Refuse Composition



Recycling in Houston

- More requests for:
 - Waste Audits



Recycling in Houston

- More requests for:
 - Education



Recycling in Houston

- Increased awareness
 - Earth Day



Recycling in Houston

- Increased awareness
 - America Recycles Day



Case Study – Waste Audit

- Before
 - Spending over \$380,000 per year on Trash and Recycling
 - Diversion Rate 29%
 - Their goal was to have a 50% diversion rate



Case Study – Waste Audit

- **After**
 - **Discovered potential savings of over \$116,000.00 per year**
 - **They were generating about 42% of recyclables based on current programs**
 - **They were successfully diverting 72% of generated recyclables**

They are in the process of making recommended changes



Case Study

- **Before**
 - **Spending over \$195,000 per year on Trash and Recycling**
 - **Diversion Rate 34%**



Case Study

- **After**
 - **Yearly costs cut in half**
 - **Diversion Rate 72%**



Case Study

- **Before**
 - **Spending over \$50,000 per year on Trash and Recycling**
 - **Diversion Rate 12%**



Case Study

- **After**
 - **Yearly costs cut down to \$32,000 per year**
 - **Diversion Rate 47%**



Case Study

- **Before**
 - **Spending over \$9,000 per month on Trash and Recycling**
 - **Diversion Rate 28%**



Case Study

- **After**
 - **Monthly costs cut down to \$2,100 per month**
 - **Diversion Rate 51%**



Thank You

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