# MUNICIPAL RECYCLING

# COMPETITION

# REPORT FOR FEBRUARY 2011

Data Provided by Waste Management and Allied Waste

Charts Compiled by Tom Kelley, Mt. Lebanon

# South Hills Recycling Competition

**Background:**

In November of 2010, ten South Hills area communities agreed to participate in a recycling competition during 2011. Participating municipal members include Mt. Lebanon, Scott Township, Peters Township, Dormont, Upper St. Clair, Brentwood, Pleasant Hills, Baldwin Borough, South Park Township and Jefferson Hills. The idea of the competition was suggested by the Waste Reduction Committee of the Mt. Lebanon Environmental Community Action Team. The residential recycling competition was one of ten strategies included in the 2010 Mt. Lebanon Community Greenhouse Emission Inventory and Climate Action Plan. The goal of the Recycling Competition is to increase the rate of recycling in 2011 using recycling tonnages from 2010 as a baseline. The competition is supported by Waste Management, Allied Waste, GreenStar Recycling and the PNC Foundation. Quarterly recognition will be given to municipality's whose recycling tonnages have exceeded their baseline 2010 levels, municipalities with the largest percent increase in residential recycling as compared to the previous year, and the municipality with the greatest tonnage of recyclable materials. In January of 2012 prizes will be presented to the municipalities ranked highest these three categories.

**Status of Municipal Recycling Competition as of March 24, 2011:**

The below summary charts and graphs represent the residential recycling statistics for the two month period ending February 28, 2011. Mt. Lebanon is leading in the most tons above base year category with 93.82 tons above 2010; South Park is ahead in the percentage above base year category with 168% above base year, and Mt. Lebanon with 402.28 tons is out front in the most tons collected rankings. This is only the second month of the competition and the lead in all categories will change several times before year's end. Donations totaling $2,000.00 have been received from the PNC Corporation, Waste Management of Pittsburgh, Allied Waste and GreenStar Recycling. These funds will be used to promote the competition.

Table 1 Municipal Residential Recycling Statistics-Base Year-Vs.-Current Year

| Municipality | Tons Collected Through February 2010 | Tons Collected Through February 2011 | Tons Over (Under) 2010 | % Over (Under 2010) |
|---|---|---|---|---|
| Baldwin Borough | 138.67 | 161.43 | 22.76 | 16.4% |
| Brentwood | 60.55 | 119.93 | 59.38 | 98.1% |
| Dormont | 54.36 | 63.84 | 9.48 | 17.4% |
| Jefferson Hills | 60.13 | 73.04 | 12.91 | 21.5% |
| Mt. Lebanon | 308.56 | 402.38 | 93.82 | 30.4% |
| Peters Township | 202.02 | 223.45 | 21.43 | 10.6% |
| Pleasant Hills | 48.70 | 69.90 | 21.20 | 43.5% |
| Scott Township | 100.37 | 135.84 | 35.47 | 35.3% |
| South Park Township | 48.70 | 130.50 | 81.80 | 168.0% |
| Upper St. Clair | 182.24 | 180.07 | (2.17) | -1.2% |
| **Total** | **1,204.30** | **1,560.38** | **356.08** | **29.6%** |

Graph 1 Municipal Residential Recycling Statistics-Base Year-Vs.-Current Year

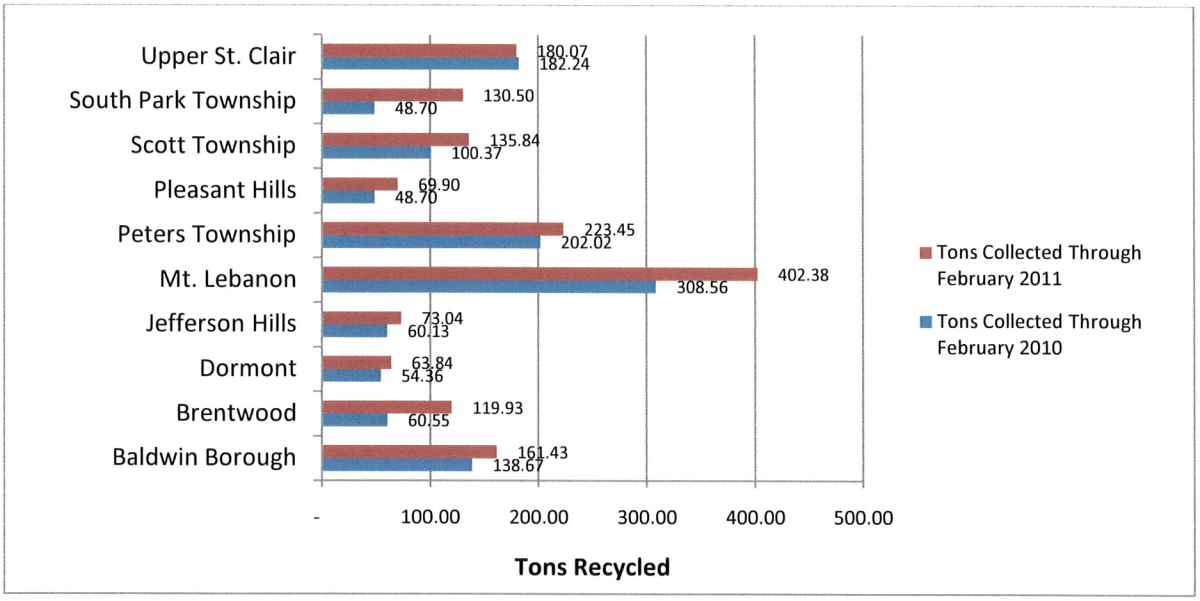



Table 2 Rankings in Most Tonnage above (Their) Previous Base Year Category

| | Municipality | Cumulative Tons Above(Under) 2010 |
|---|---|---|
| 1 | Mt Lebanon | 93.82 |
| 2 | South Park Township | 81.80 |
| 3 | Brentwood | 59.38 |
| 4 | Scott Township | 35.47 |
| 5 | Baldwin Borough | 22.76 |
| 6 | Peters Township | 21.43 |
| 7 | Pleasant Hills | 21.20 |
| 8 | Jefferson Hills | 12.91 |
| 9 | Dormont | 9.48 |
| 10 | Upper St. Clair | (2.17) |

Graph 2 Most Tonnage above (Their) Previous Base Year Category

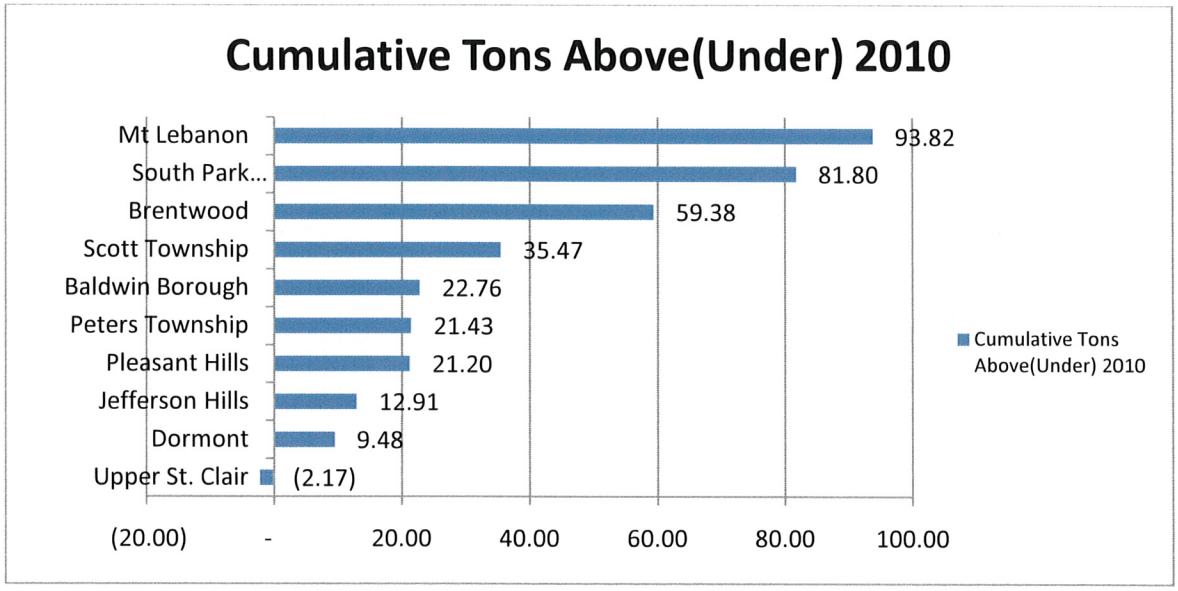



Table 3 Rankings In The Greatest Percentage Above (Their) Previous Year Category

| | Municipality | Cumulative % Above (Under) 2010 |
|---|---|---|
| 1 | South Park Township | 168.0% |
| 2 | Brentwood | 98.1% |
| 3 | Pleasant Hills | 43.5% |
| 4 | Scott Township | 35.3% |
| 5 | Mt Lebanon | 30.4% |
| 6 | Jefferson Hills | 21.5% |
| 7 | Dormont | 17.4% |
| 8 | Baldwin Borough | 16.4% |
| 9 | Peters Township | 10.6% |
| 10 | Upper St. Clair | -1.2% |

Graph 3 Percentage Above (Their) Previous Year Category

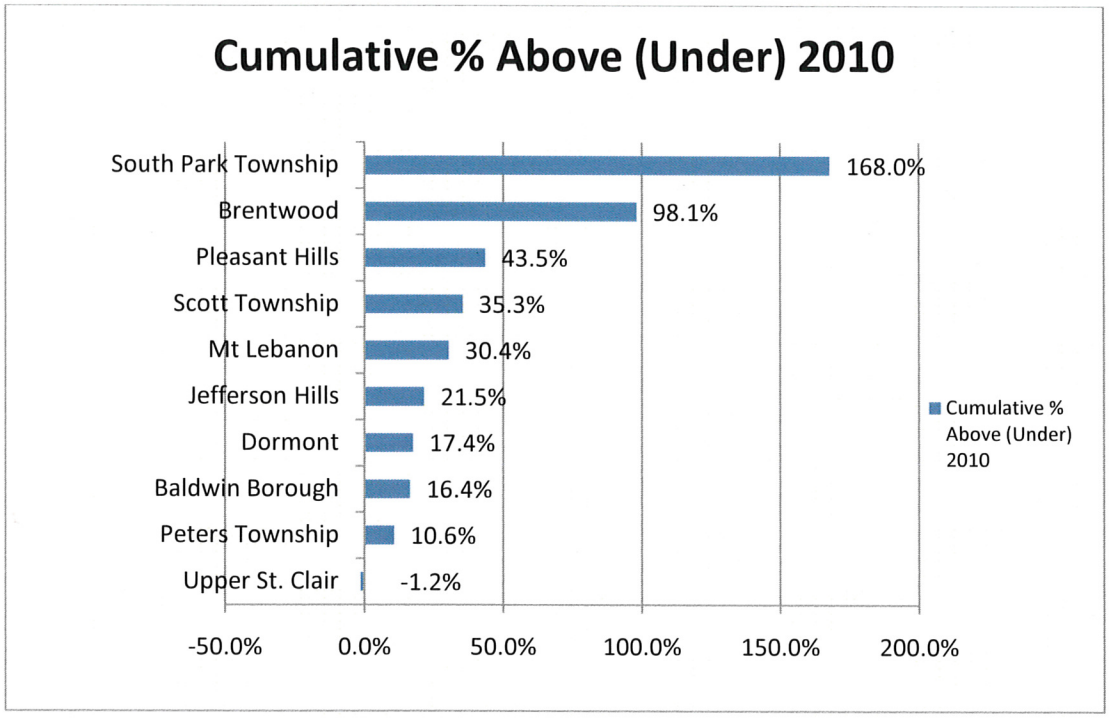
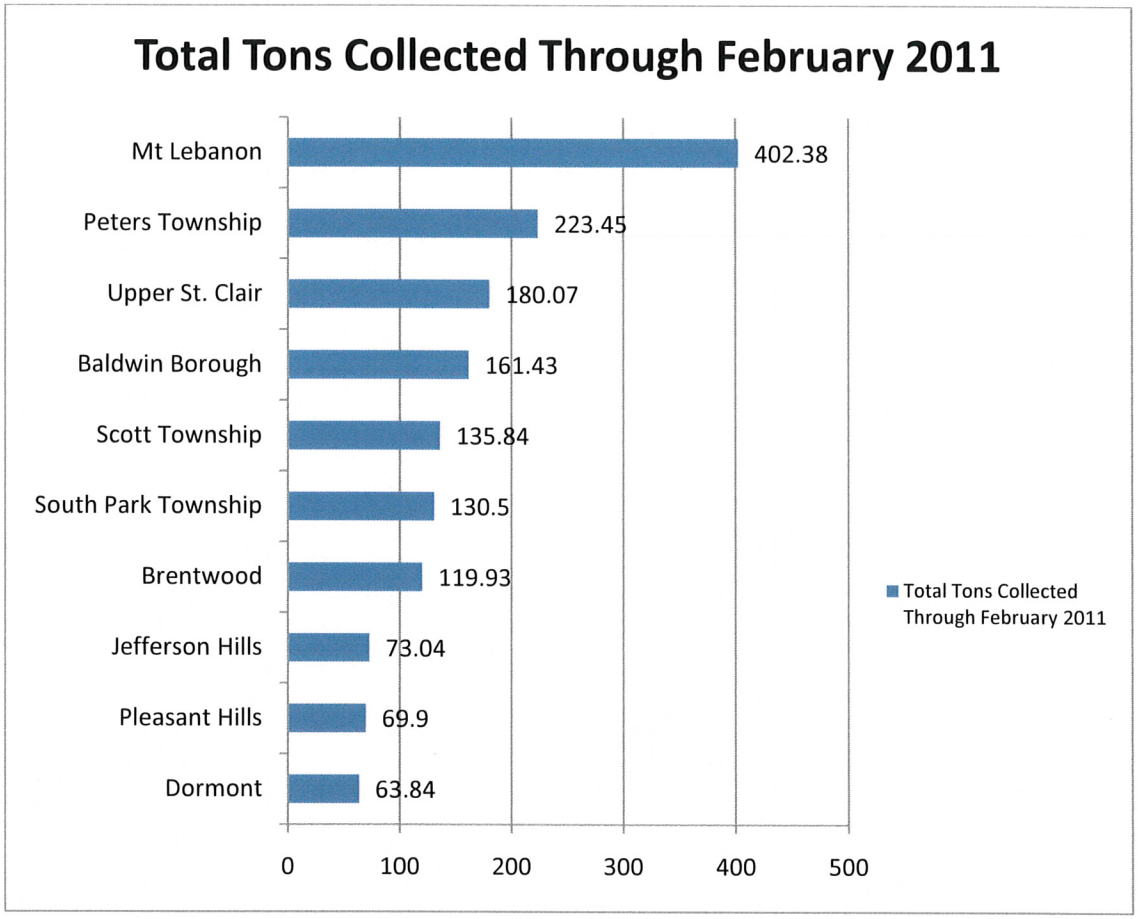



Table 4 Most Tons Collected Category

| | Municipality | Total Tons Collected as of February 28th |
|---|---|---|
| 1 | Mt Lebanon | 402.38 |
| 2 | Peters Township | 223.45 |
| 3 | Upper St. Clair | 180.07 |
| 4 | Baldwin Borough | 161.43 |
| 5 | Scott Township | 135.84 |
| 6 | South Park Township | 130.5 |
| 7 | Brentwood | 119.93 |
| 8 | Jefferson Hills | 73.04 |
| 9 | Pleasant Hills | 69.9 |
| 10 | Dormont | 63.84 |

Graph 4 Most Tons Collected Category



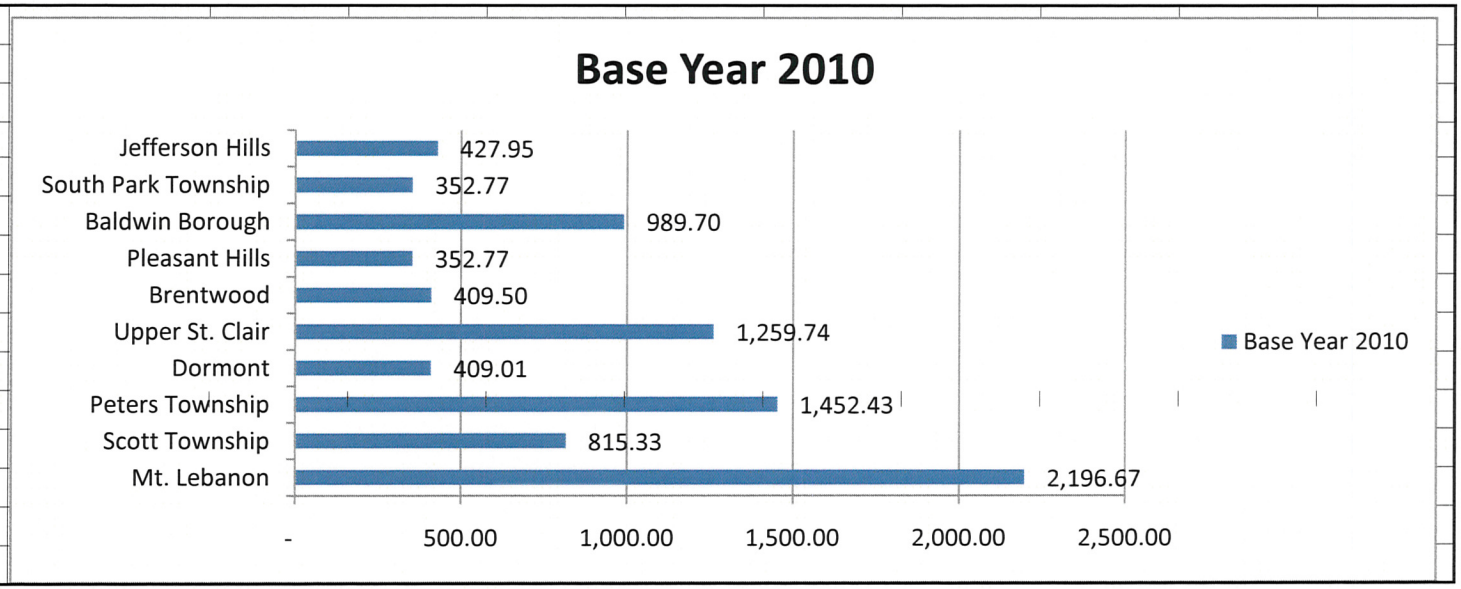
# RECYCLING COMPETITION BASE YEAR 2010 INFORMATION

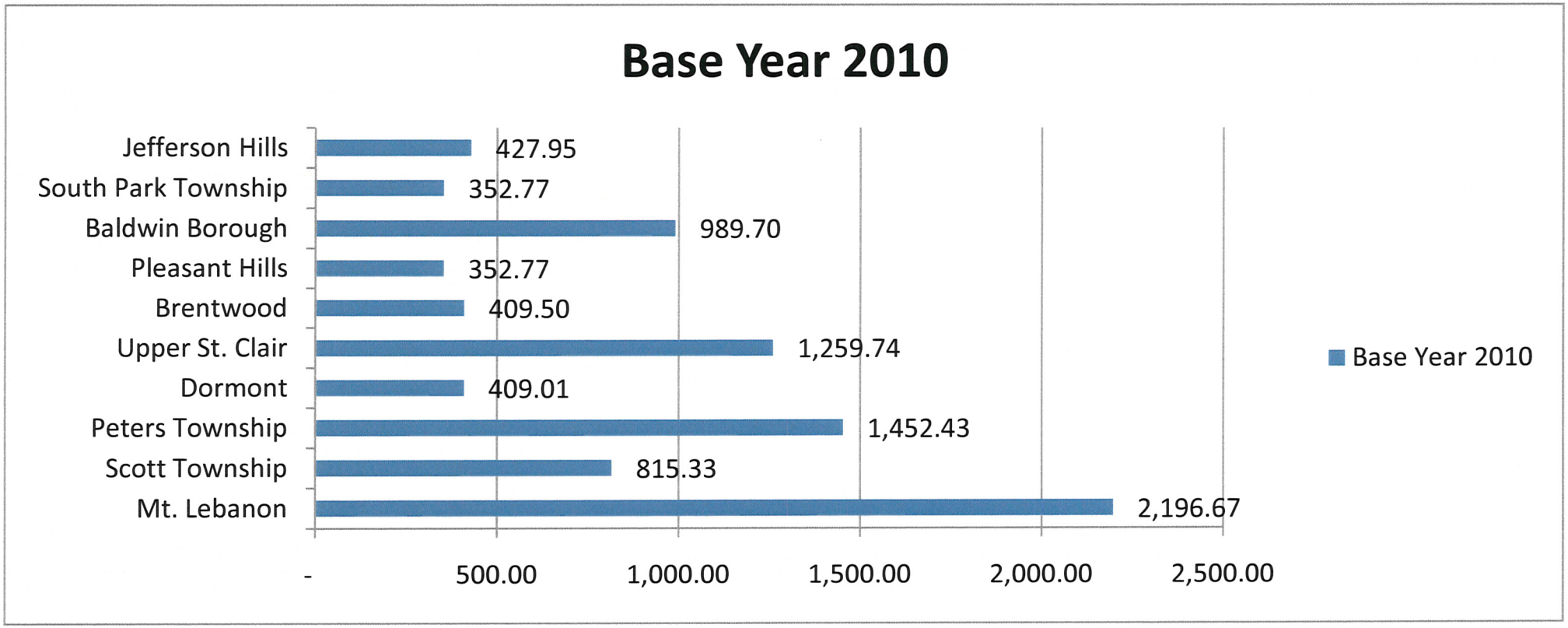
CUMULATIVE BASE YEAR DATA 2010

| TONS RECYCLED BASE YEAR 2010 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | January | February | March | April | May | June | July | August | September | October | November | December |
| Mt. Lebanon | 170.04 | 308.56 | 495.61 | 679.38 | 857.85 | 1,056.89 | 1,237.77 | 1,421.14 | 1,597.60 | 1,778.67 | 1,977.26 | 2,196.67 |
| Scott Township | 55.66 | 100.37 | 174.76 | 232.50 | 292.26 | 381.57 | 430.34 | 517.52 | 580.08 | 670.58 | 747.41 | 815.33 |
| Peters Township | 109.53 | 202.02 | 314.20 | 439.32 | 555.86 | 690.67 | 809.51 | 924.22 | 1,046.73 | 1,169.50 | 1,301.69 | 1,452.43 |
| Dormont | 35.80 | 54.36 | 93.23 | 128.31 | 163.85 | 216.82 | 249.44 | 281.62 | 307.07 | 336.12 | 372.56 | 409.01 |
| Upper St. Clair | 91.25 | 182.24 | 264.36 | 390.15 | 489.52 | 587.68 | 699.78 | 799.42 | 954.31 | 1,071.65 | 1,154.37 | 1,259.74 |
| Brentwood | 34.63 | 60.55 | 102.69 | 138.17 | 170.98 | 203.86 | 235.35 | 274.41 | 313.89 | 346.85 | 376.73 | 409.50 |
| Pleasant Hills | 32.28 | 48.70 | 93.30 | 122.48 | 156.44 | 189.31 | 203.51 | 232.45 | 275.31 | 306.17 | 328.53 | 352.77 |
| Baldwin Borough | 86.8 | 138.67 | 232.37 | 316.70 | 397.18 | 484.83 | 569.18 | 653.87 | 738.11 | 814.38 | 889.69 | 989.70 |
| South Park Township | 32.28 | 48.70 | 93.30 | 122.48 | 156.44 | 189.31 | 203.51 | 232.45 | 275.31 | 306.17 | 328.53 | 352.77 |
| Jefferson Hills | 33.02 | 60.13 | 108.18 | 143.06 | 176.93 | 213.97 | 247.33 | 281.60 | 330.50 | 367.58 | 385.13 | 427.95 |

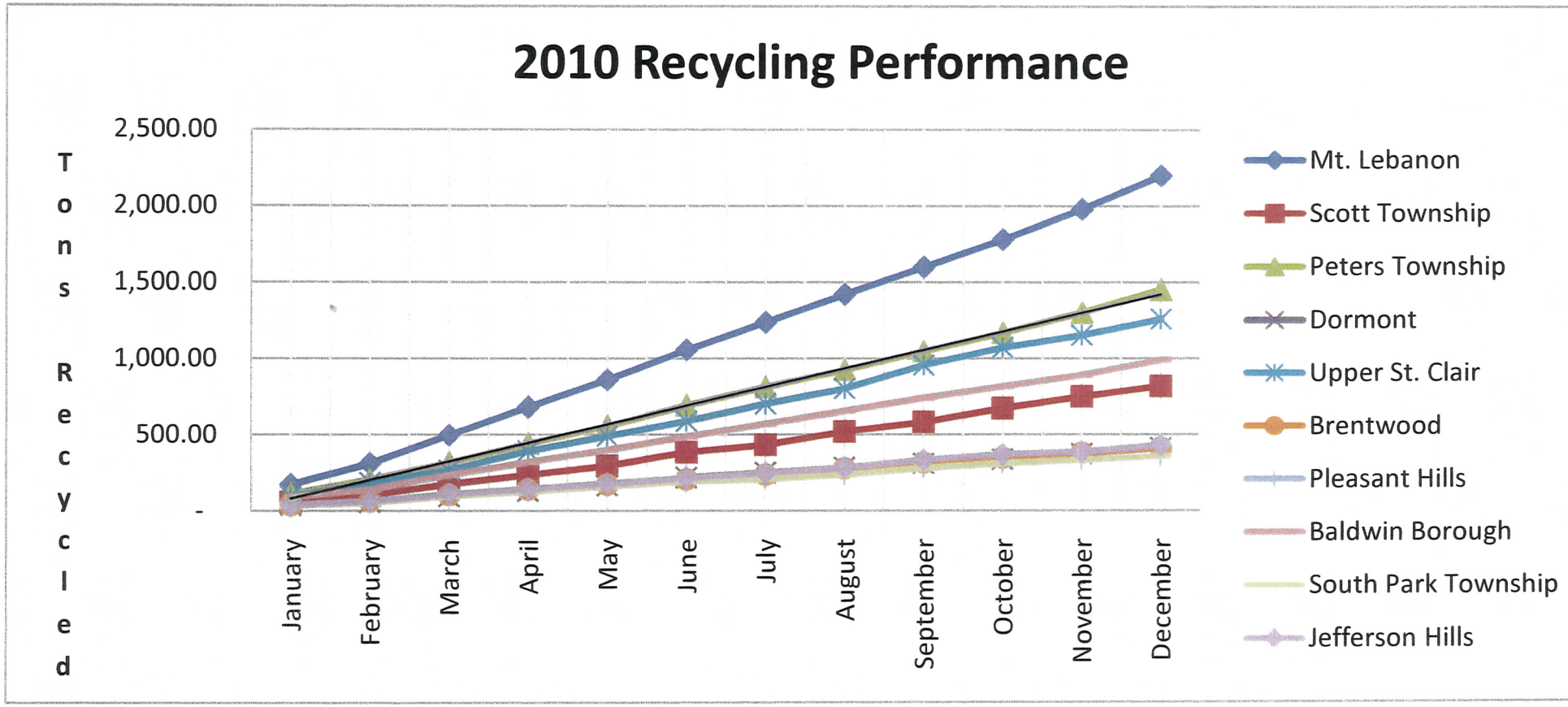
CUMULATIVE BASE YEAR DATA 2010

| Municipality | Base Year 2010 |
|---|---|
| Mt. Lebanon | 2,196.67 |
| Scott Township | 815.33 |
| Peters Township | 1,452.43 |
| Dormont | 409.01 |
| Upper St. Clair | 1,259.74 |
| Brentwood | 409.50 |
| Pleasant Hills | 352.77 |
| Baldwin Borough | 989.70 |
| South Park Township | 352.77 |
| Jefferson Hills | 427.95 |




Base Year 2010
Jefferson Hills
South Park Township
Baldwin Borough
Pleasant Hills
Brentwood
Upper St. Clair
Dormont
Peters Township
Scott Township
Mt. Lebanon
427.95
352.77
989.70
352.77
409.50
1,259.74
409.01
1,452.43
815.33
2,196.67
-
500.00
1,000.00
1,500.00
2,000.00
2,500.00
Base Year 2010

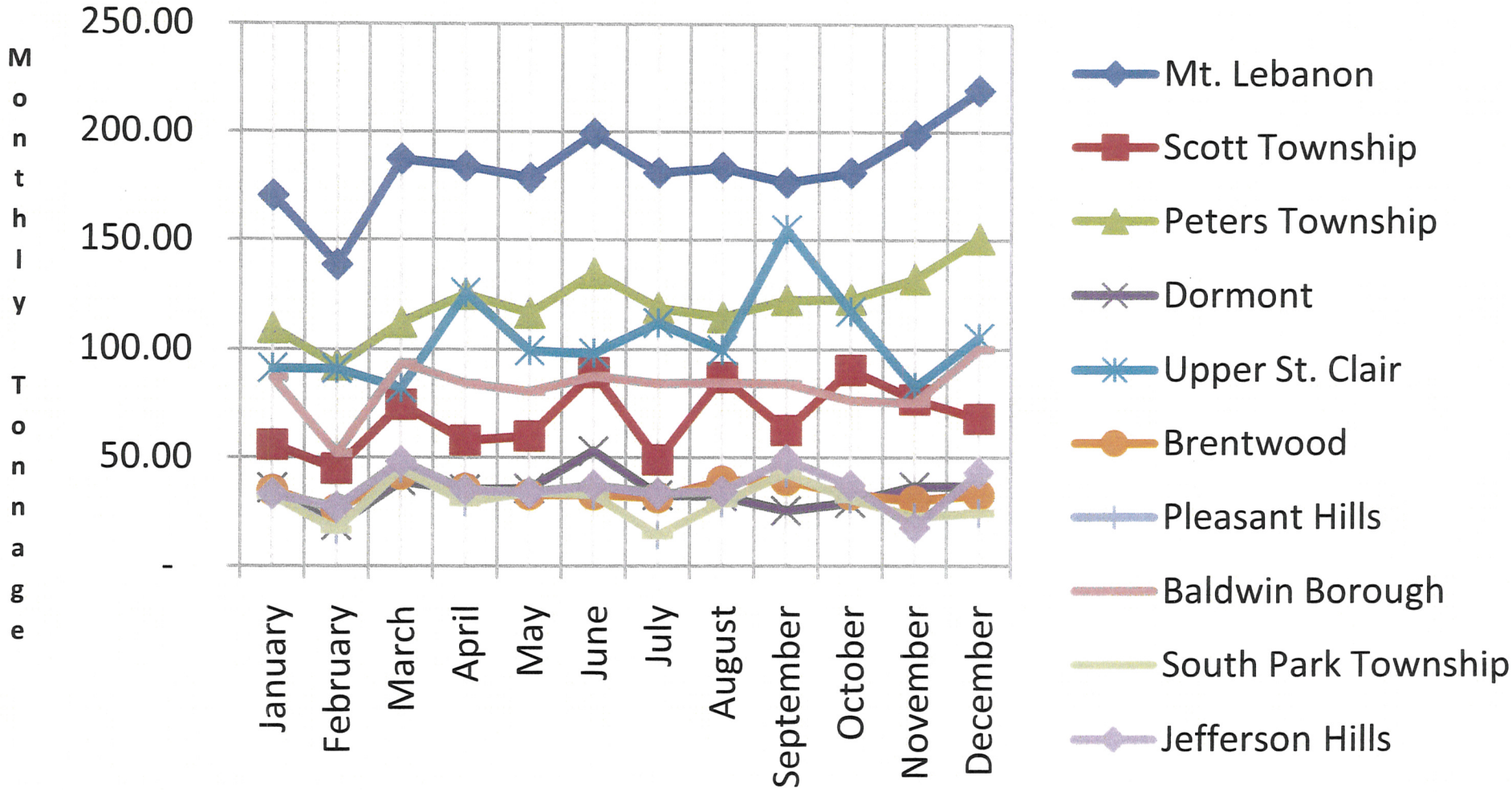
# 2010 Recycling Performance



BASE YEAR DATA 2010

| TONS RECYCLED BASE YEAR 2010 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | January | February | March | April | May | June | July | August | September | October | November | December | Year to Date |
| Mt. Lebanon | 170.04 | 138.52 | 187.05 | 183.77 | 178.47 | 199.04 | 180.88 | 183.37 | 176.46 | 181.07 | 198.59 | 219.41 | 2,196.67 |
| Scott Township | 55.66 | 44.71 | 74.39 | 57.74 | 59.76 | 89.31 | 48.77 | 87.18 | 62.56 | 90.50 | 76.83 | 67.92 | 815.33 |
| Peters Township | 109.53 | 92.49 | 112.18 | 125.12 | 116.54 | 134.81 | 118.84 | 114.71 | 122.51 | 122.77 | 132.19 | 150.74 | 1,452.43 |
| Dormont | 35.80 | 18.56 | 38.87 | 35.08 | 35.54 | 52.97 | 32.62 | 32.18 | 25.45 | 29.05 | 36.44 | 36.45 | 409.01 |
| Upper St. Clair | 91.25 | 90.99 | 82.12 | 125.79 | 99.37 | 98.16 | 112.10 | 99.64 | 154.89 | 117.34 | 82.72 | 105.37 | 1,259.74 |
| Brentwood | 34.63 | 25.92 | 42.14 | 35.48 | 32.81 | 32.88 | 31.49 | 39.06 | 39.48 | 32.96 | 29.88 | 32.77 | 409.50 |
| Pleasant Hills | 32.28 | 16.42 | 44.60 | 29.18 | 33.96 | 32.87 | 14.20 | 28.94 | 42.86 | 30.86 | 22.36 | 24.24 | 352.77 |
| Baldwin Borough | 86.8 | 51.87 | 93.7 | 84.33 | 80.48 | 87.65 | 84.35 | 84.69 | 84.24 | 76.27 | 75.31 | 100.01 | 989.7 |
| South Park Township | 32.28 | 16.42 | 44.6 | 29.18 | 33.96 | 32.87 | 14.2 | 28.94 | 42.86 | 30.86 | 22.36 | 24.24 | 352.77 |
| Jefferson Hills | 33.02 | 27.11 | 48.05 | 34.88 | 33.87 | 37.04 | 33.36 | 34.27 | 48.9 | 37.08 | 17.55 | 42.82 | 427.95 |

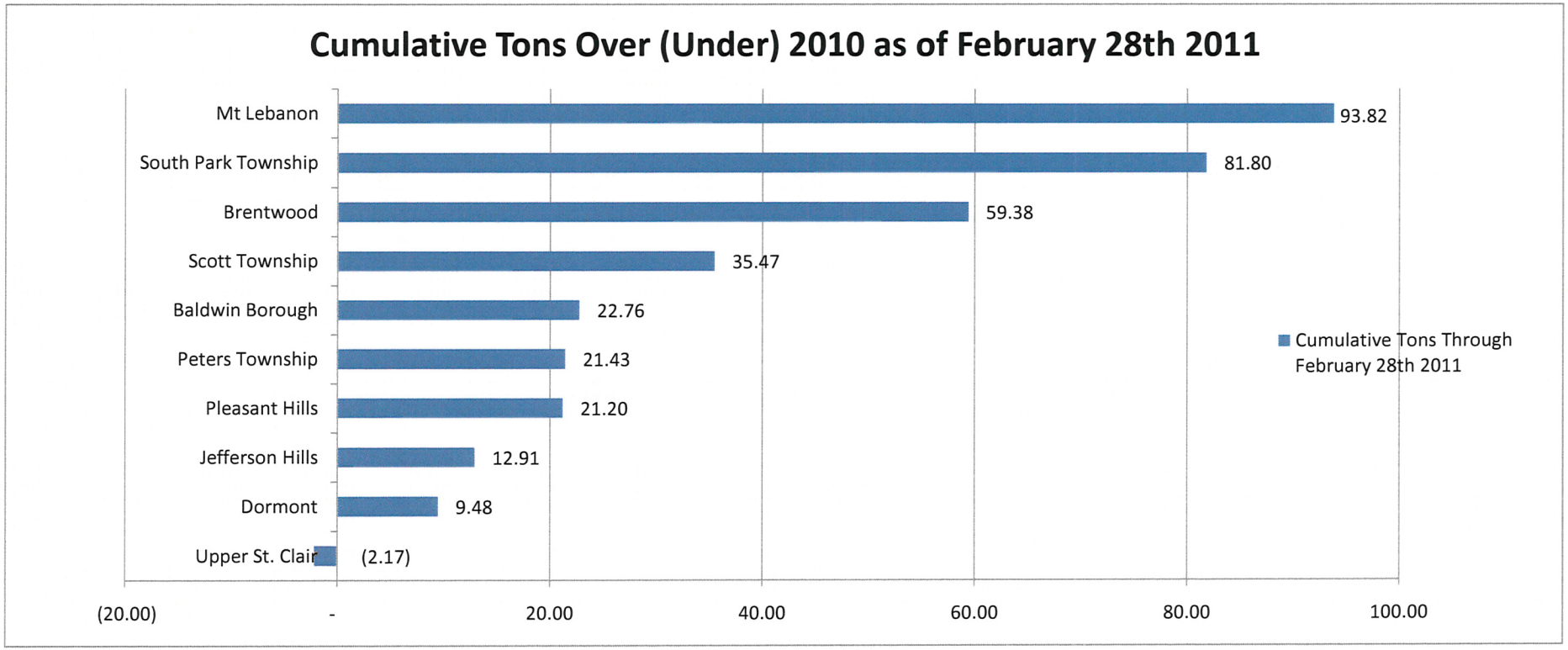
# Monthly Recycling Tonnages for 2010



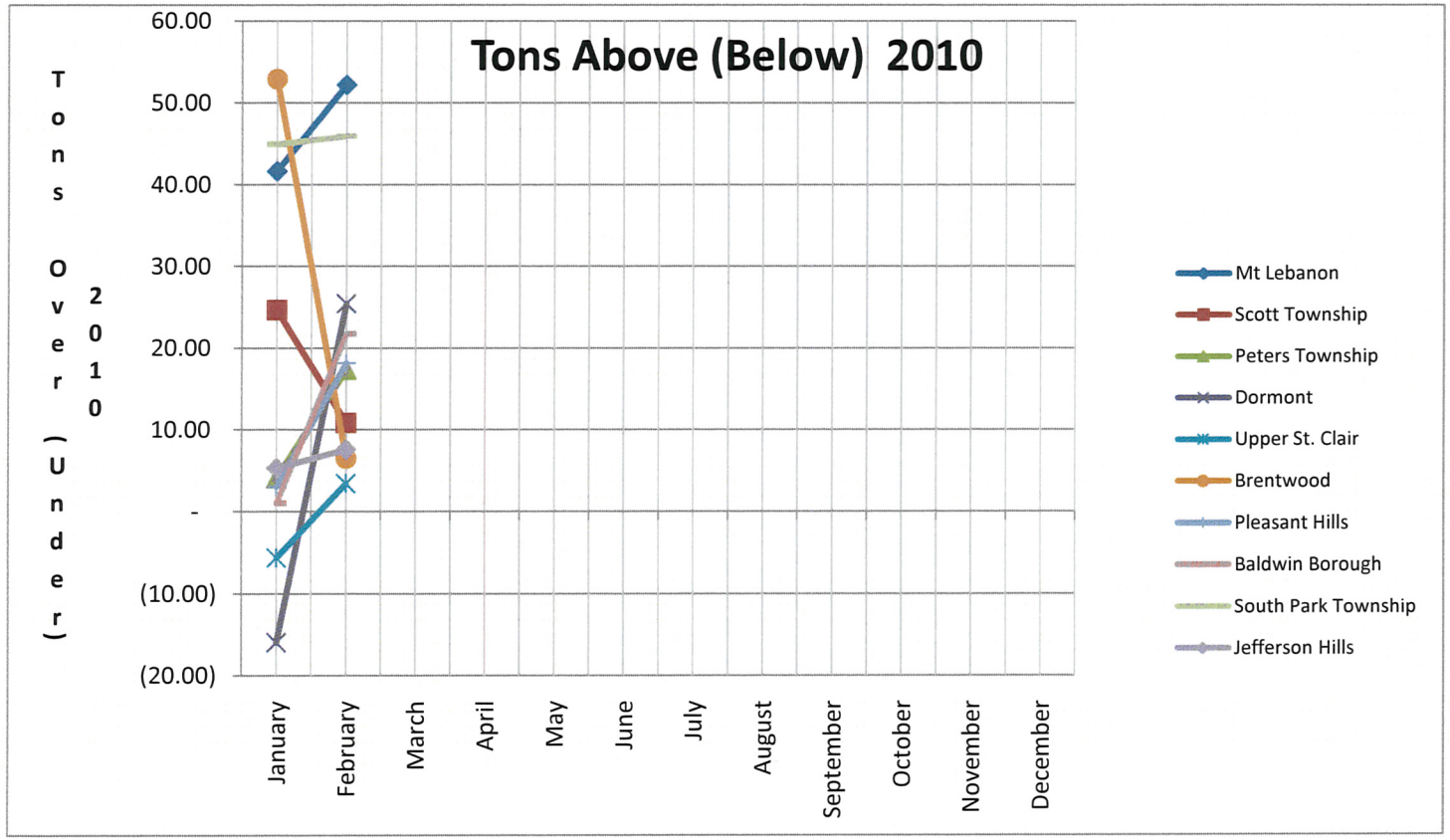
# Competition Results

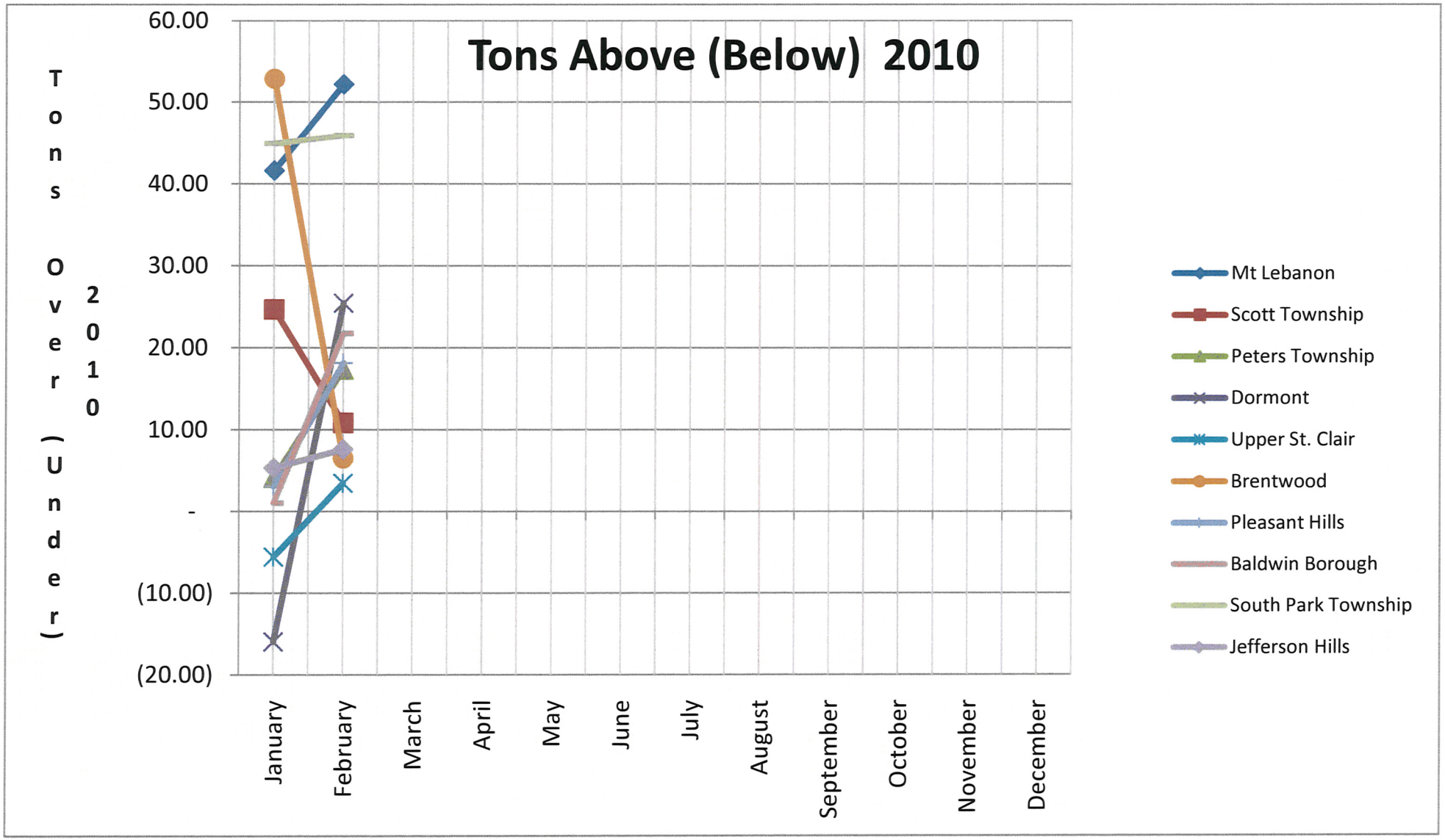
# As of

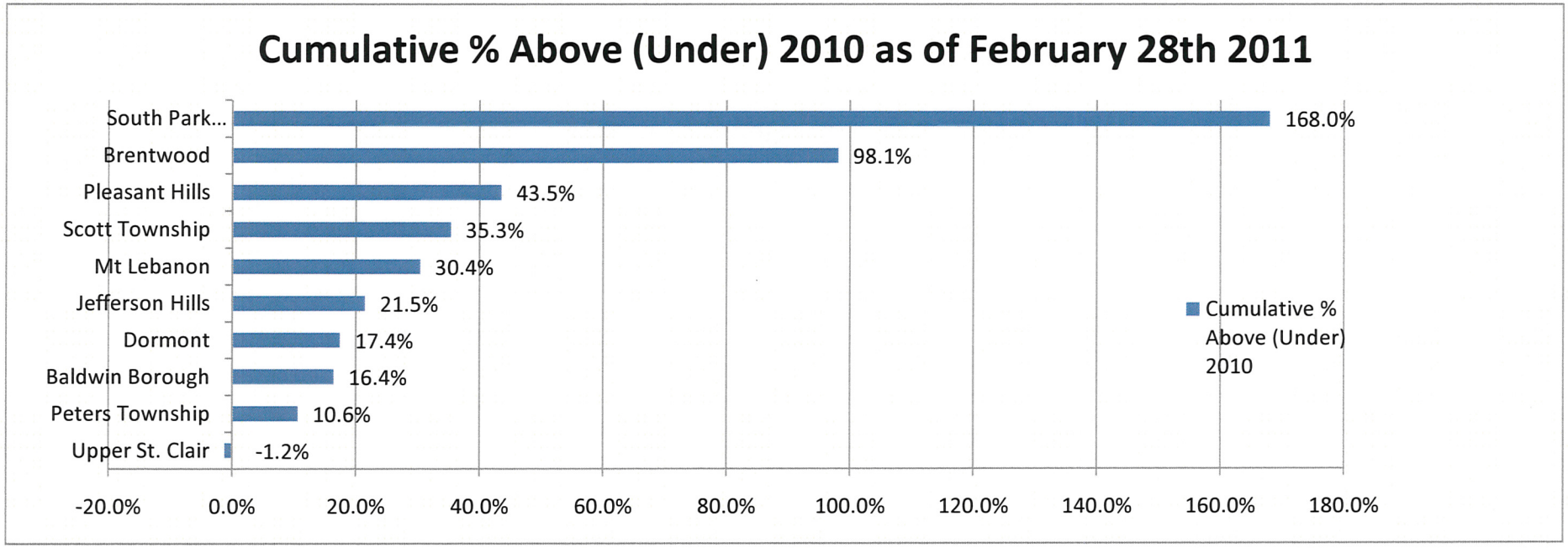
# February 28, 2011


Cumulative Tons Over (Under) 2010 as of February 28th 2011
Mt Lebanon
South Park Township
Brentwood
Scott Township
Baldwin Borough
Peters Township
Pleasant Hills
Jefferson Hills
Dormont
Upper St. Clair
93.82
81.80
59.38
35.47
22.76
21.43
21.20
12.91
9.48
(2.17)
Cumulative Tons Through February 28th 2011
(20.00)
-
20.00
40.00
60.00
80.00
100.00

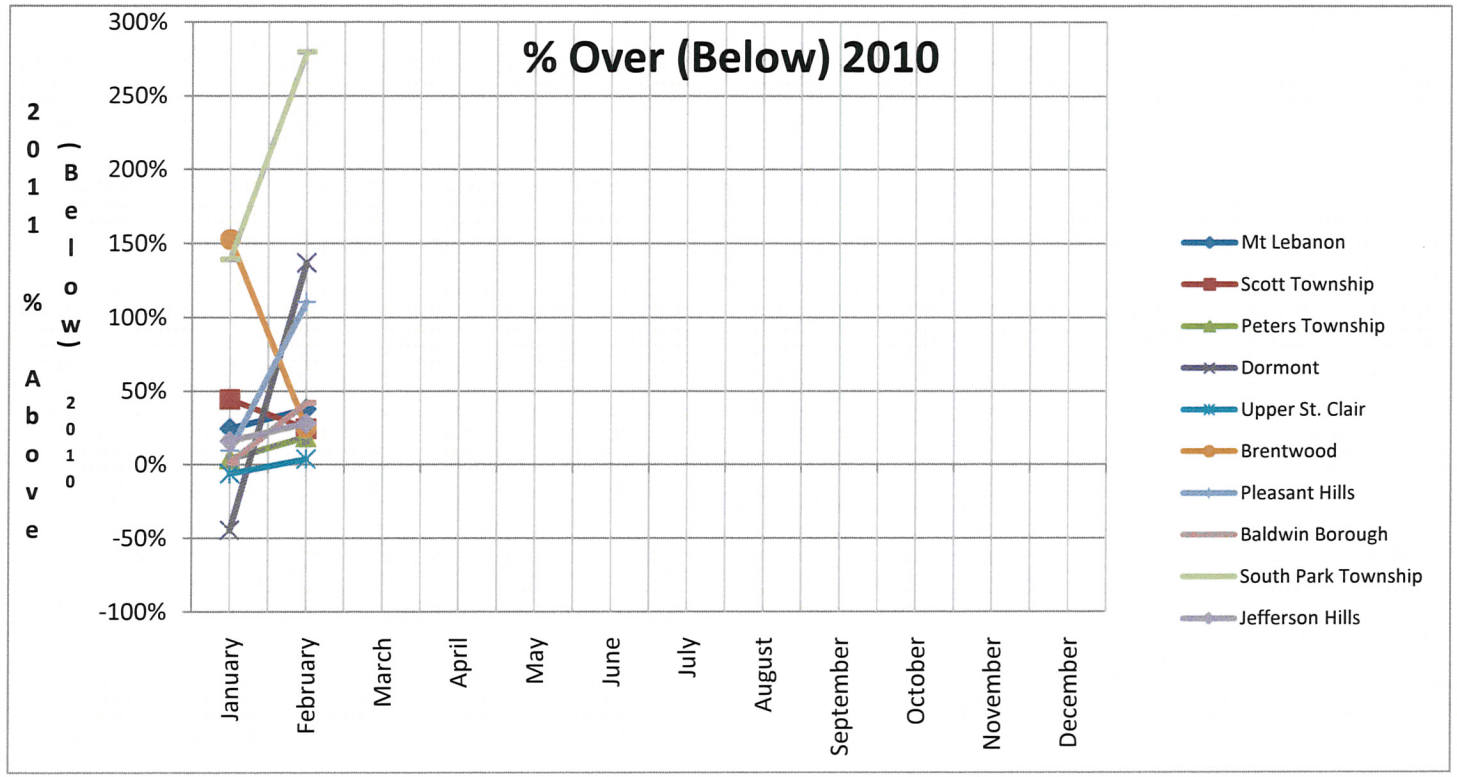
| | January | February |
|---|---|---|
| Mt Lebanon | 41.64 | 52.18 |
| Scott Township | 24.65 | 10.82 |
| Peters Township | 4.1 | 17.33 |
| Dormont | -15.96 | 25.44 |
| Upper St. Clair | -5.61 | 3.44 |
| Brentwood | 52.87 | 6.51 |
| Pleasant Hills | 3.06 | 18.14 |
| Baldwin Borough | 1.02 | 21.74 |
| South Park Township | 44.92 | 45.92 |
| Jefferson Hills | 5.32 | 7.59 |

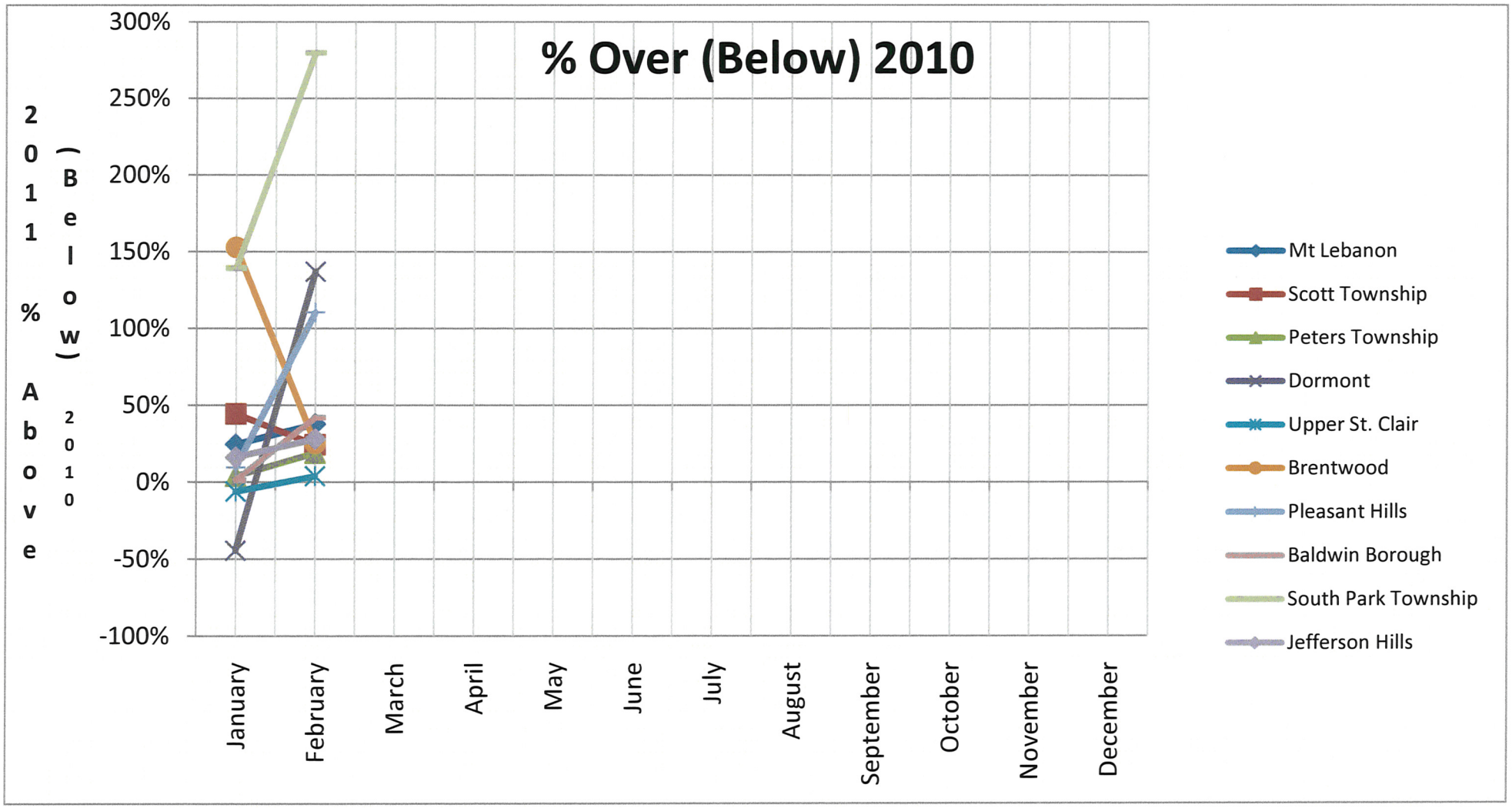


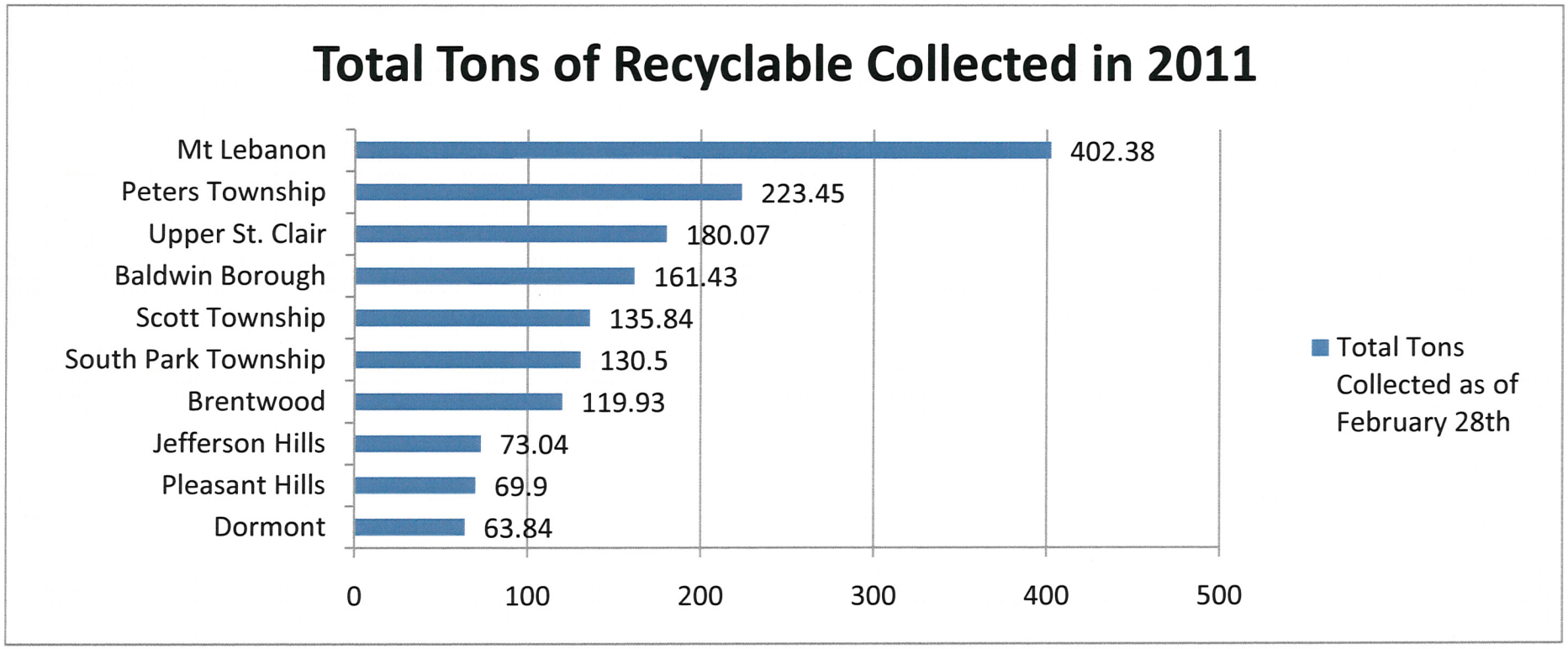

Tons Above (Below) 2010
Tons Over (Under) 2010
60.00
50.00
40.00
30.00
20.00
10.00
-
(10.00)
(20.00)
January
February
March
April
May
June
July
August
September
October
November
December
Mt Lebanon
Scott Township
Peters Township
Dormont
Upper St. Clair
Brentwood
Pleasant Hills
Baldwin Borough
South Park Township
Jefferson Hills


Cumulative % Above (Under) 2010 as of February 28th 2011
South Park...
Brentwood
Pleasant Hills
Scott Township
Mt Lebanon
Jefferson Hills
Dormont
Baldwin Borough
Peters Township
Upper St. Clair
168.0%
98.1%
43.5%
35.3%
30.4%
21.5%
17.4%
16.4%
10.6%
-1.2%
Cumulative % Above (Under) 2010
-20.0%
0.0%
20.0%
40.0%
60.0%
80.0%
100.0%
120.0%
140.0%
160.0%
180.0%

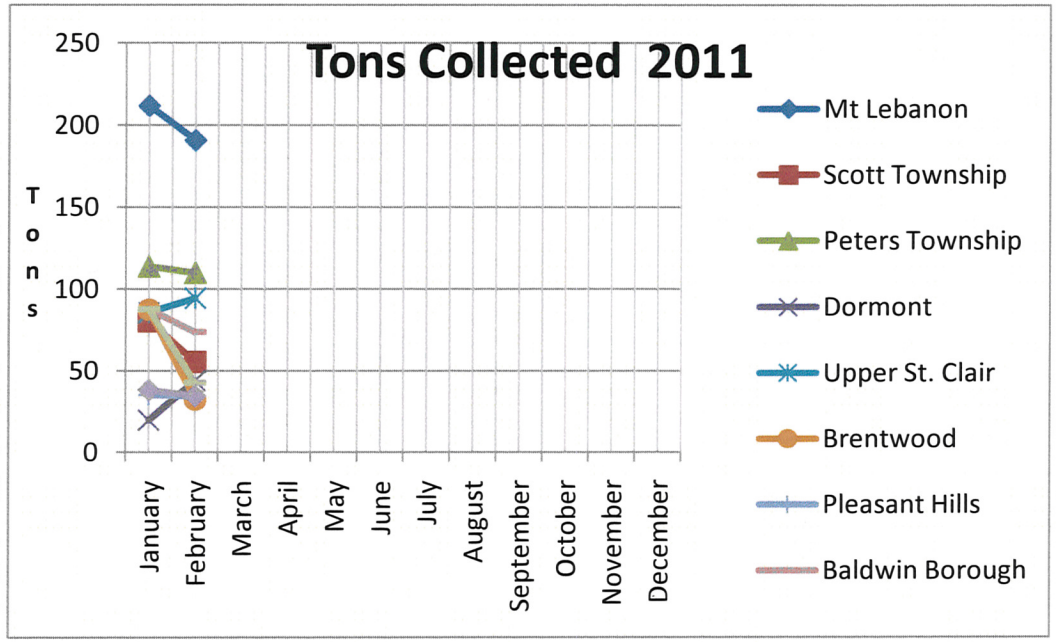
| | January | February |
|---|---|---|
| Mt Lebanon | 24% | 38% |
| Scott Township | 44% | 24% |
| Peters Township | 4% | 19% |
| Dormont | -45% | 137% |
| Upper St. Clair | -6% | 4% |
| Brentwood | 153% | 25% |
| Pleasant Hills | 9% | 110% |
| Baldwin Borough | 1% | 42% |
| South Park Township | 139% | 280% |
| Jefferson Hills | 16% | 28% |

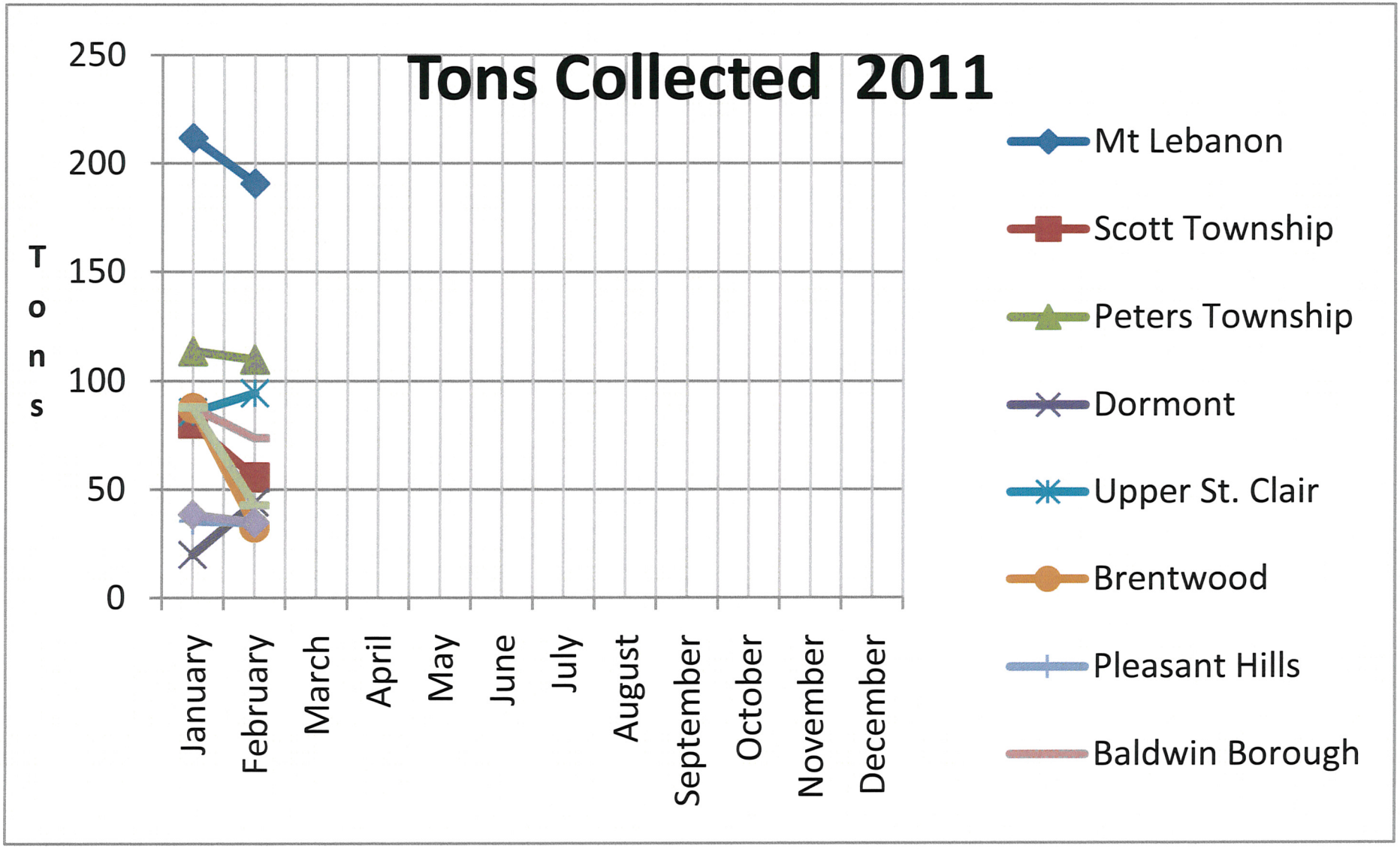



% Over (Below) 2010
2011 % Above (Below) 2010
300%
250%
200%
150%
100%
50%
0%
-50%
-100%
January
February
March
April
May
June
July
August
September
October
November
December
Mt Lebanon
Scott Township
Peters Township
Dormont
Upper St. Clair
Brentwood
Pleasant Hills
Baldwin Borough
South Park Township
Jefferson Hills


Total Tons of Recyclable Collected in 2011
Mt Lebanon
Peters Township
Upper St. Clair
Baldwin Borough
Scott Township
South Park Township
Brentwood
Jefferson Hills
Pleasant Hills
Dormont
402.38
223.45
180.07
161.43
135.84
130.5
119.93
73.04
69.9
63.84
0
100
200
300
400
500
Total Tons Collected as of February 28th

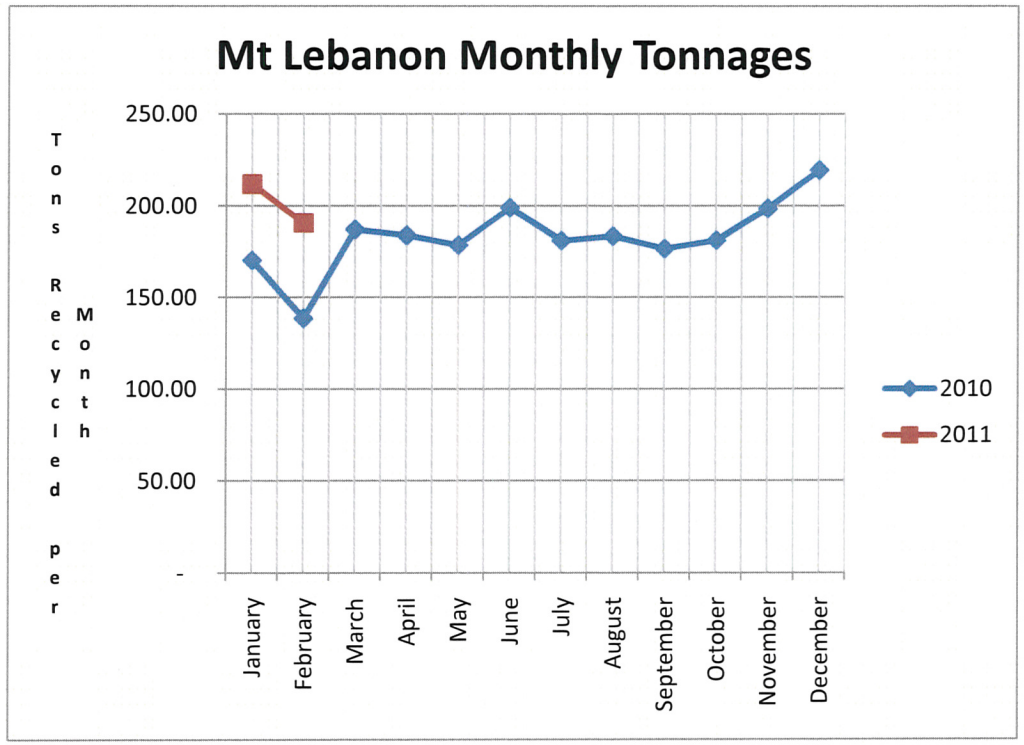
| | January | February |
|---|---|---|
| Mt Lebanon | 211.68 | 190.7 |
| Scott Township | 80.31 | 55.53 |
| Peters Township | 113.63 | 109.82 |
| Dormont | 19.84 | 44 |
| Upper St. Clair | 85.64 | 94.43 |
| Brentwood | 87.5 | 32.43 |
| Pleasant Hills | 35.34 | 34.56 |
| Baldwin Borough | 87.82 | 73.61 |
| South Park Township | 87.82 | 42.68 |
| Jefferson Hills | 38.34 | 34.7 |

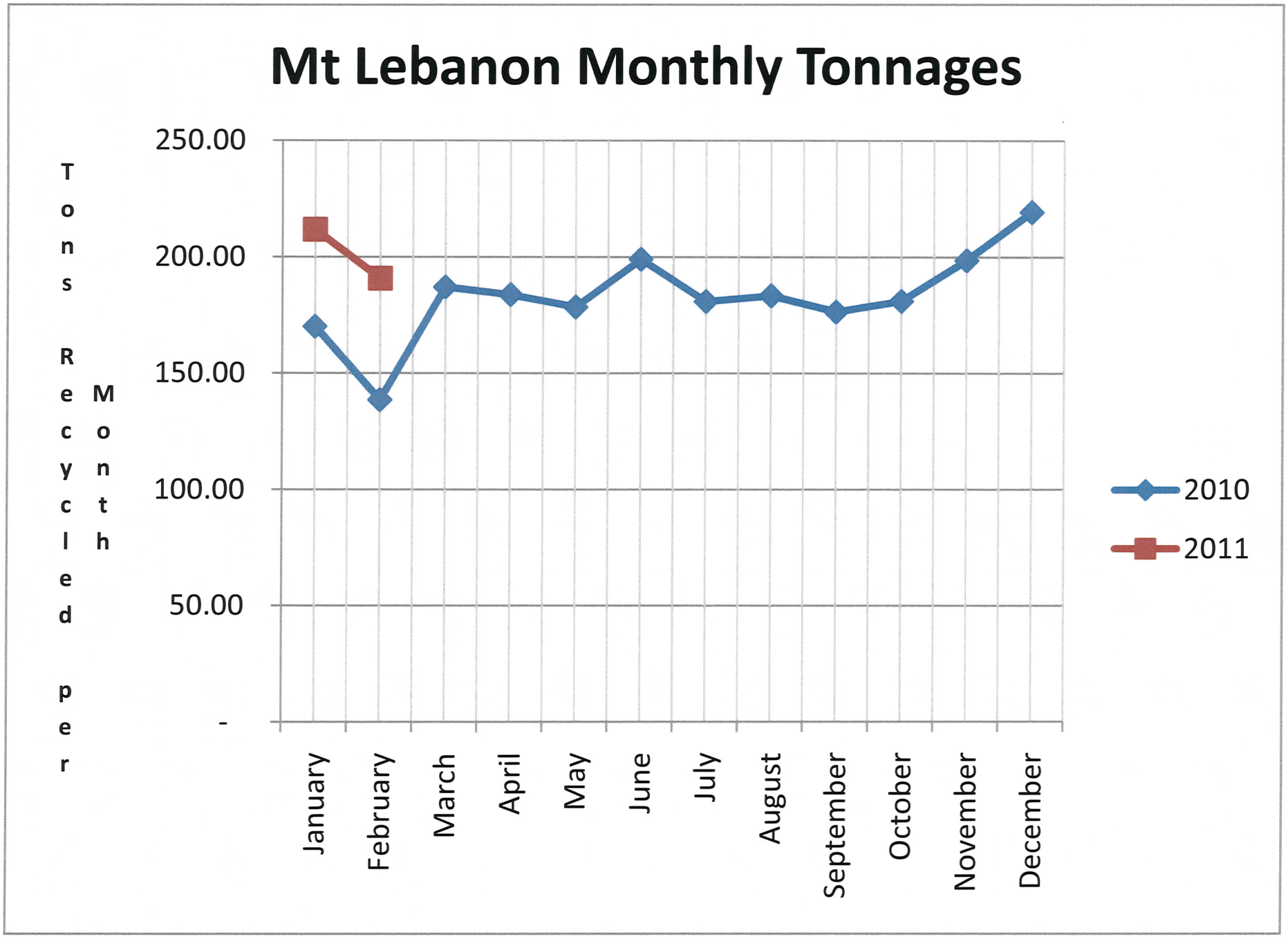



Tons Collected 2011
250
200
150
100
50
0
Tons
January
February
March
April
May
June
July
August
September
October
November
December
Mt Lebanon
Scott Township
Peters Township
Dormont
Upper St. Clair
Brentwood
Pleasant Hills
Baldwin Borough

Mt. Lebanon through February 2011

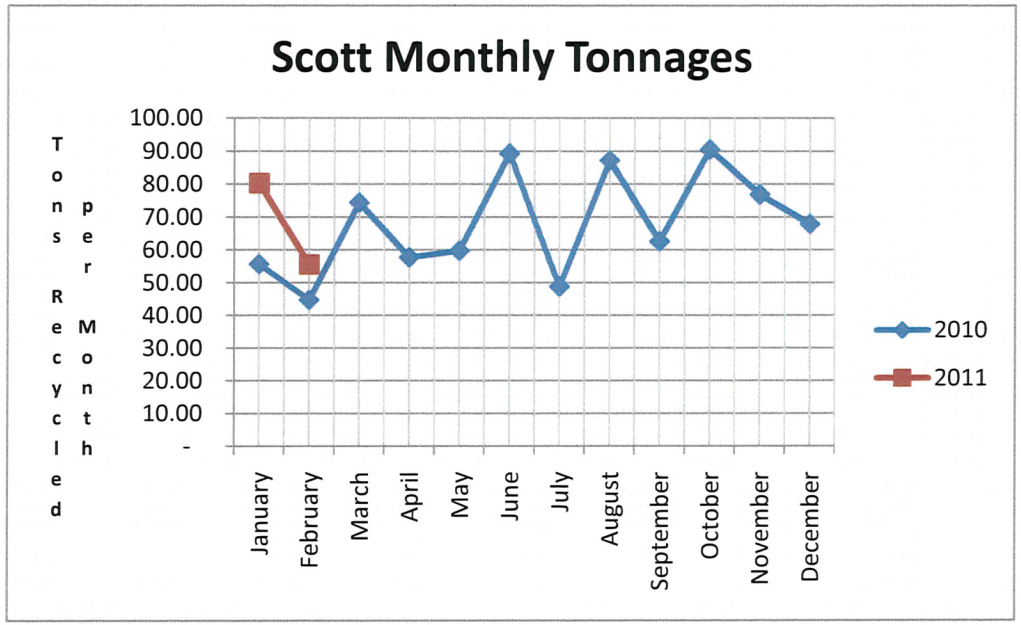
| | January | February | Total |
|---|---|---|---|
| 2010 | 170.04 | 138.52 | 308.56 |
| 2011 | 211.68 | 190.7 | 402.38 |
| Icrease (decrease) orer 2010 | 41.64 | 52.18 | 93.82 |
| % Increase (decrease over 2010 | 24% | 38% | 30.41% |

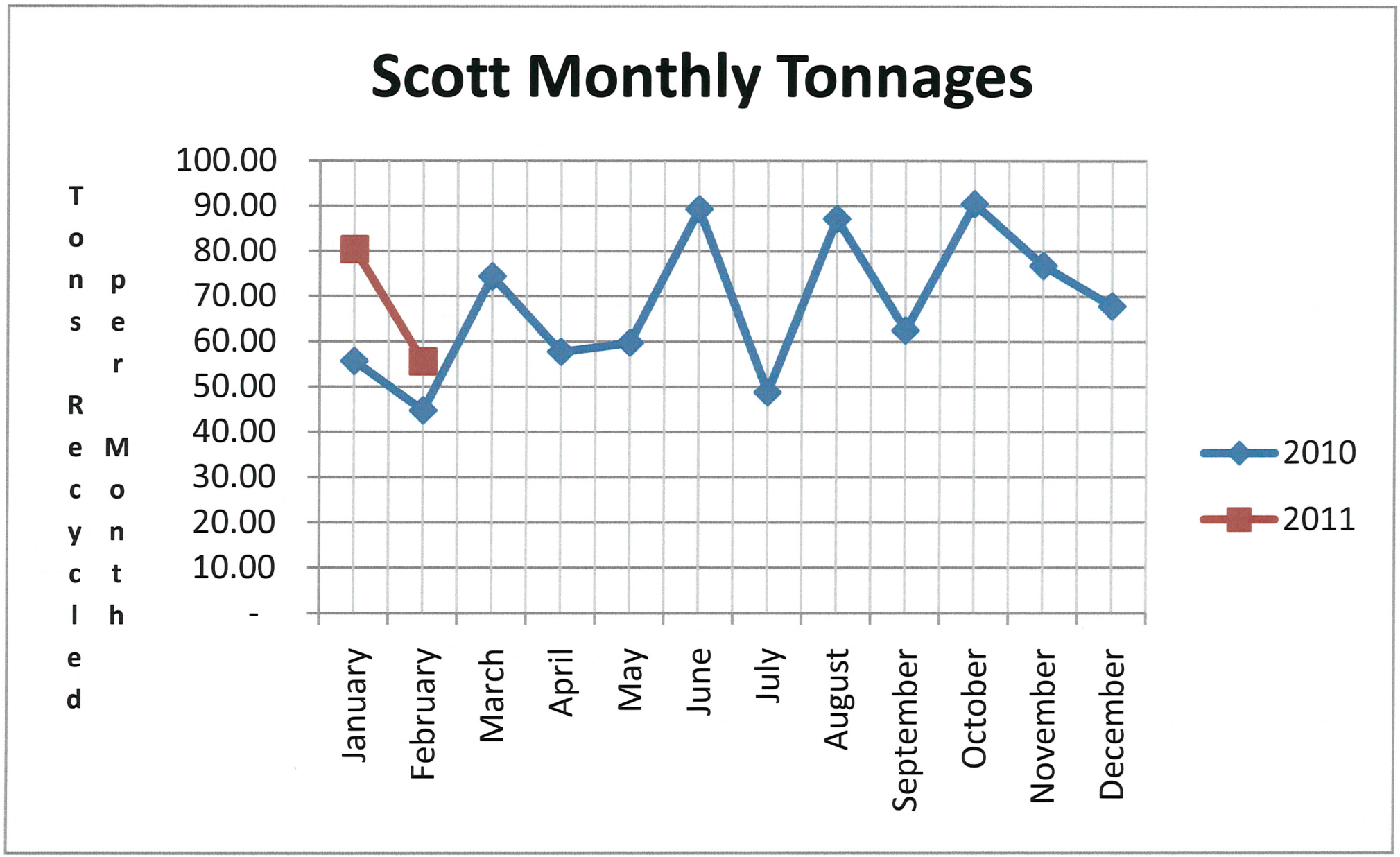



Mt Lebanon Monthly Tonnages
Tons Recycled per Month
250.00
200.00
150.00
100.00
50.00
-
January
February
March
April
May
June
July
August
September
October
November
December
2010
2011

# Scott Township through February 2011

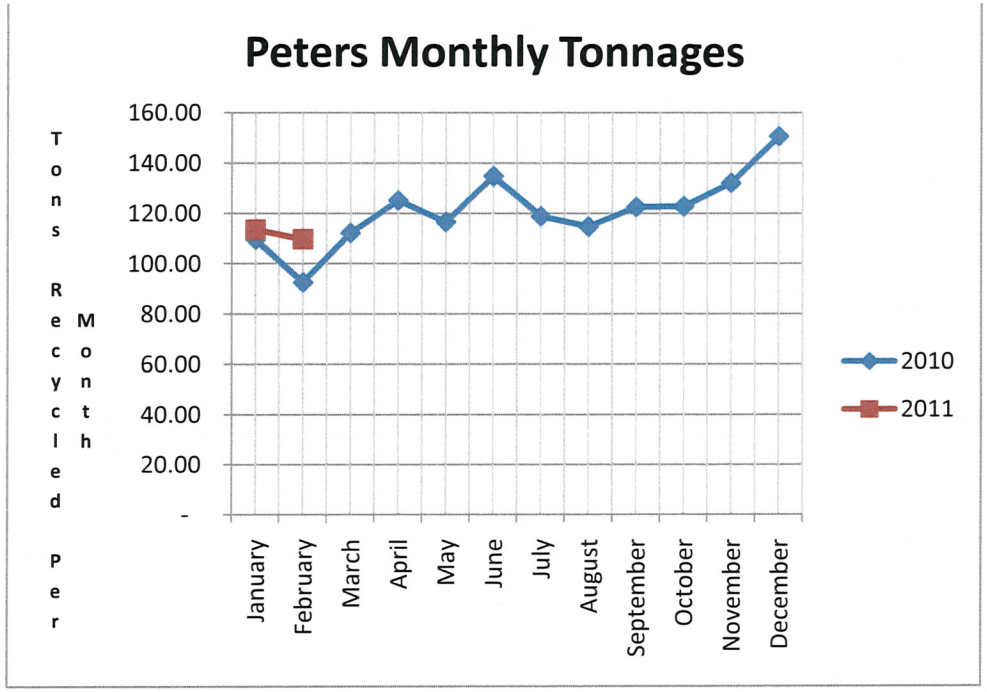
| | January | February | Total |
|---|---|---|---|
| 2010 | 55.66 | 44.71 | 100.37 |
| 2011 | 80.31 | 55.53 | 135.84 |
| Icrease (decrease) orer 2010 | 24.65 | 10.82 | 35.47 |
| % Increase (decrease over 2010 | 44% | 24% | 35.34% |

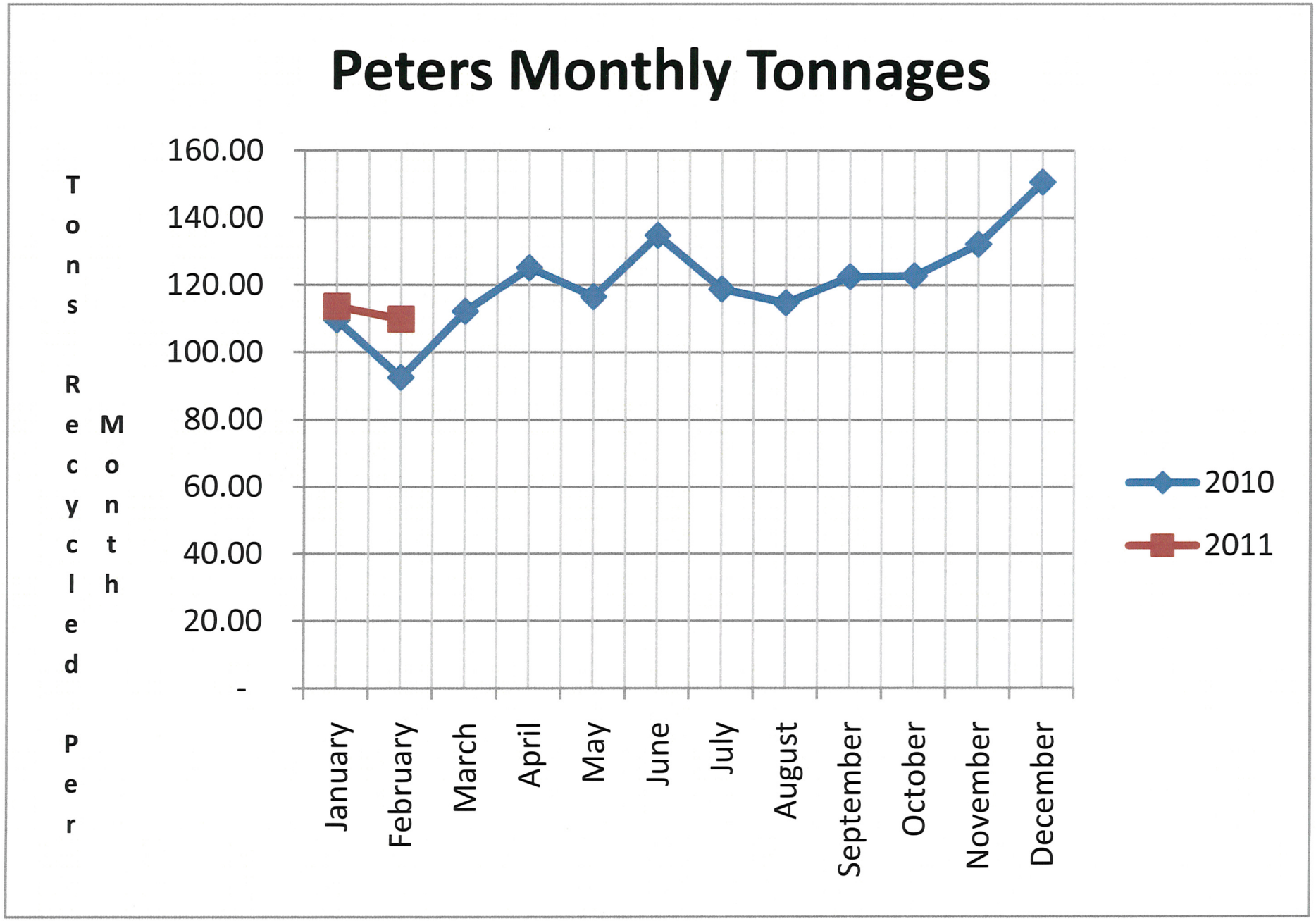



Scott Monthly Tonnages
Tons Recycled per Month
100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
-
January
February
March
April
May
June
July
August
September
October
November
December
2010
2011

Peters Township through February 2011

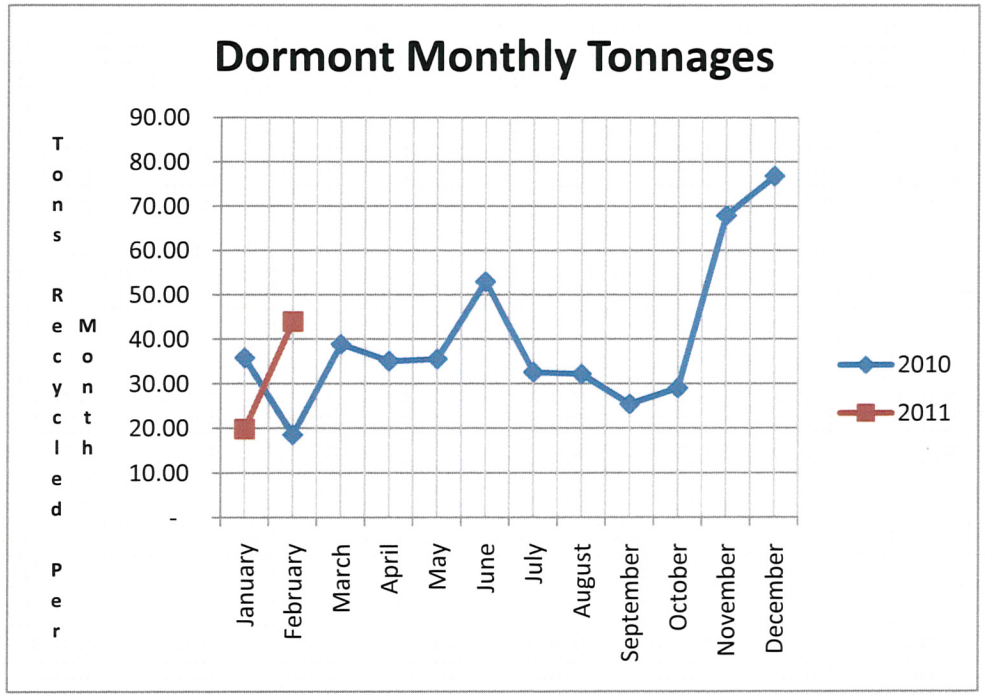
| | January | February | Total |
|---|---|---|---|
| 2010 | 109.53 | 92.49 | 202.02 |
| 2011 | 113.63 | 109.82 | 223.45 |
| Icrease (decrease) orer 2010 | 4.10 | 17.33 | 21.43 |
| % Increase (decrease over 2010 | 4% | 19% | 10.61% |

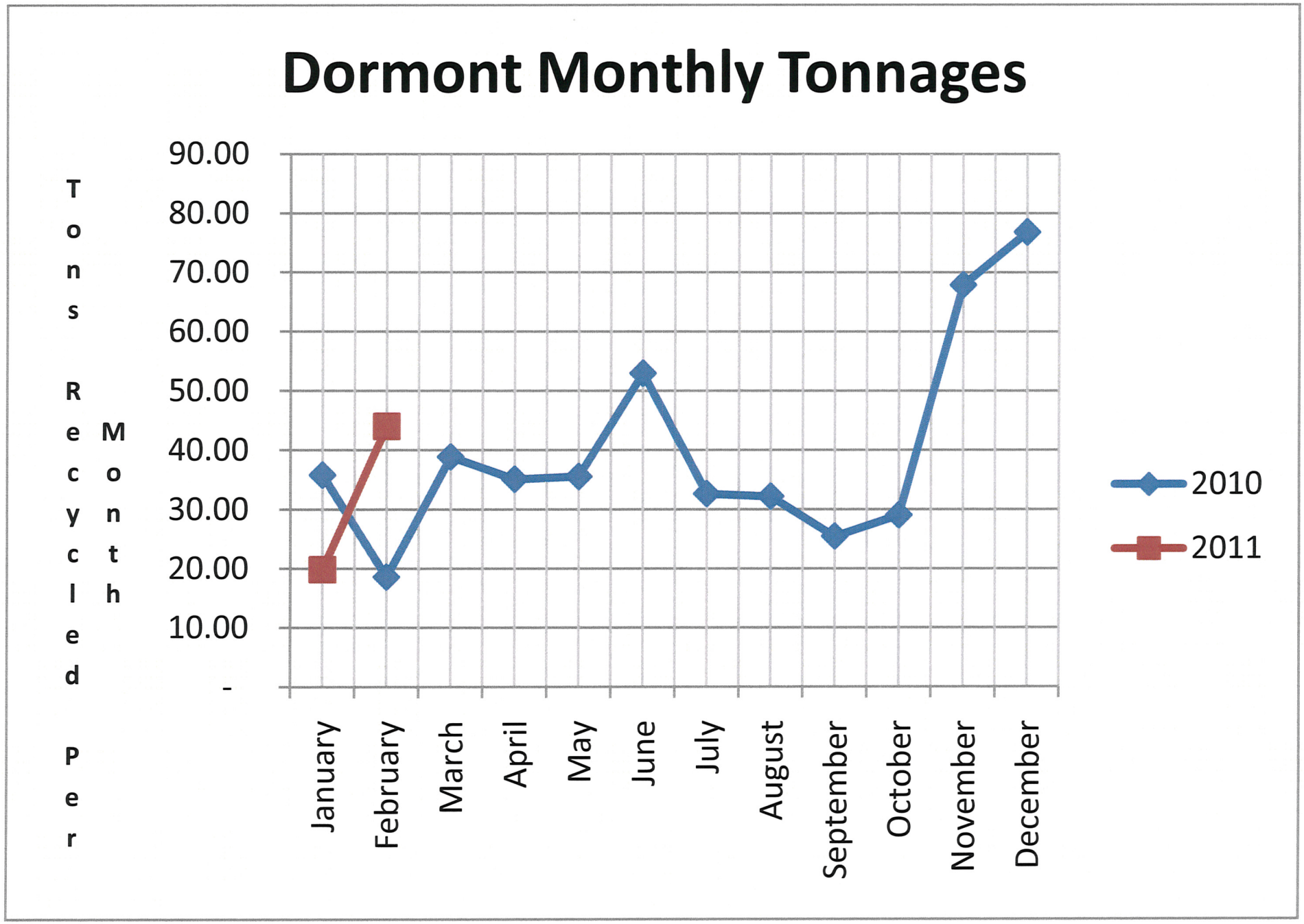



Peters Monthly Tonnages
Tons Recycled Per Month
160.00
140.00
120.00
100.00
80.00
60.00
40.00
20.00
-
January
February
March
April
May
June
July
August
September
October
November
December
2010
2011

# Dormont through February 2011

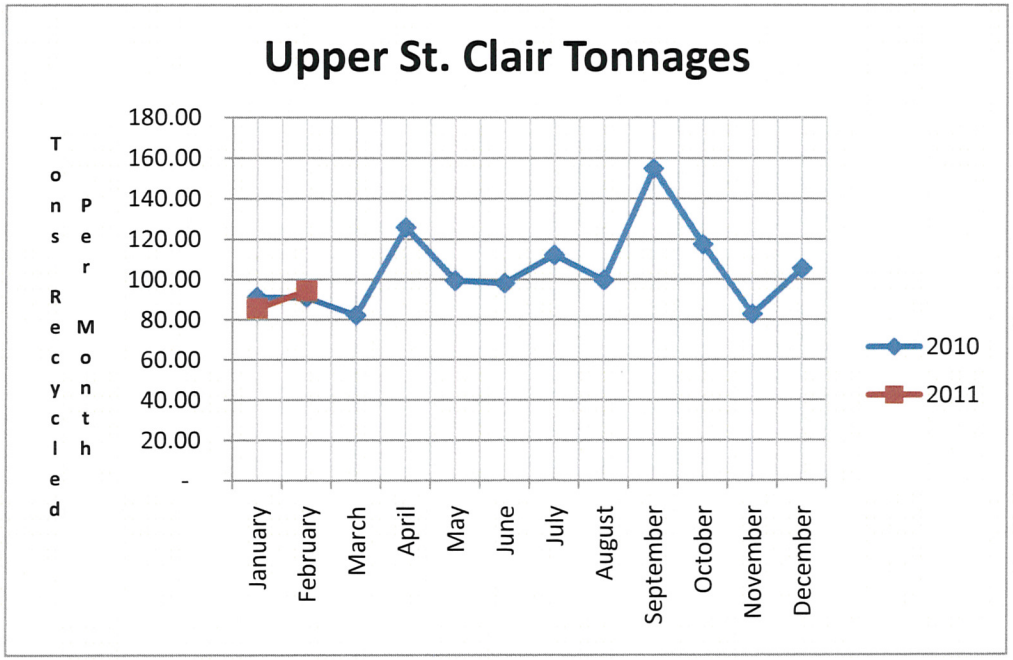
| | | January | February | Total |
|---|---|---|---|---|
| | 2010 | 35.80 | 18.56 | 54.36 |
| | 2011 | 19.84 | 44 | 63.84 |
| Icrease (decrease) orer 2010 | | (15.96) | 25.44 | 9.48 |
| % Increase (decrease over 2010 | | -45% | 137% | 17.44% |

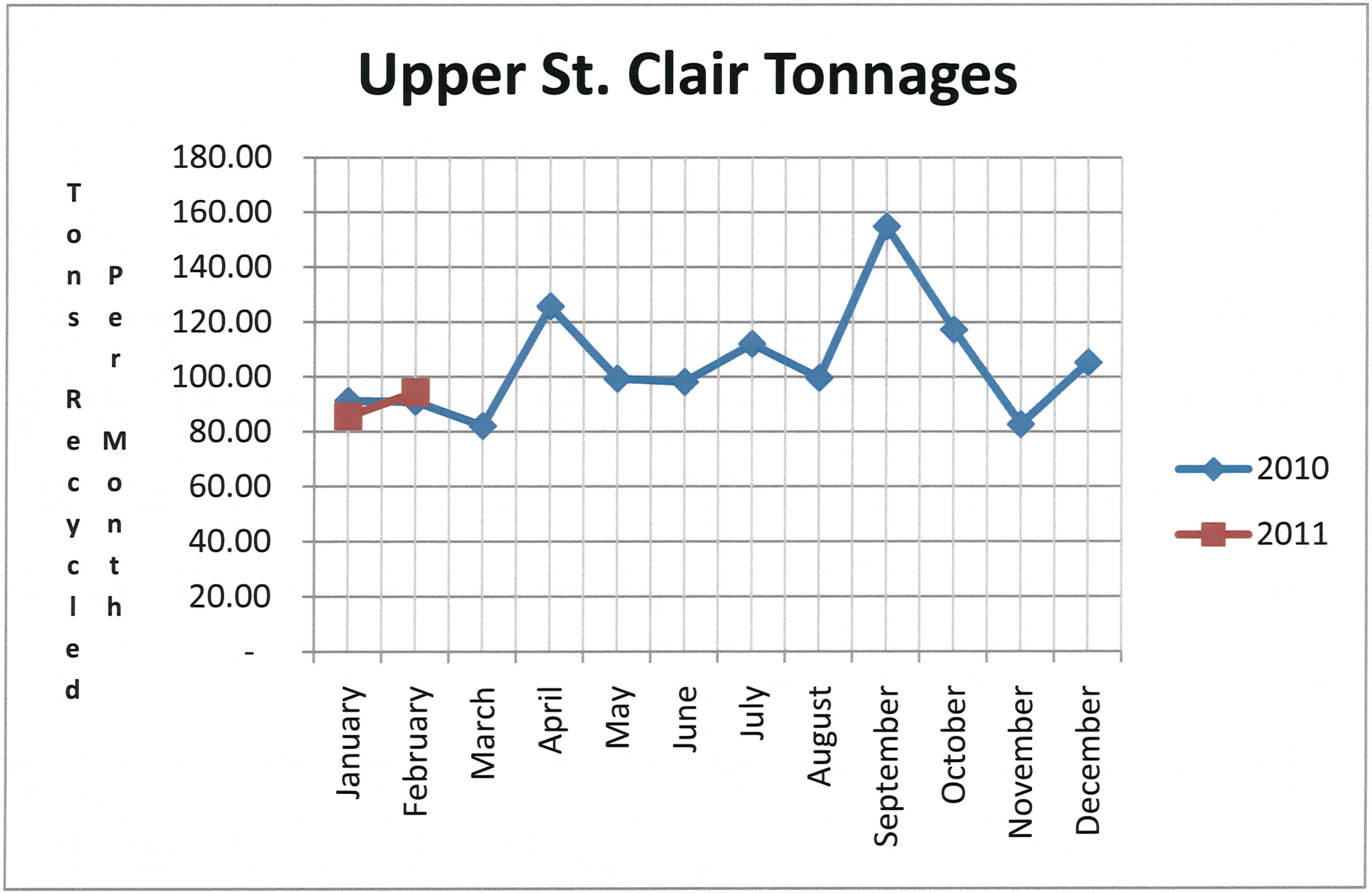



Dormont Monthly Tonnages
Tons Recycled Per Month
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
-
January
February
March
April
May
June
July
August
September
October
November
December
2010
2011

# Upper St. Clair through February 2011

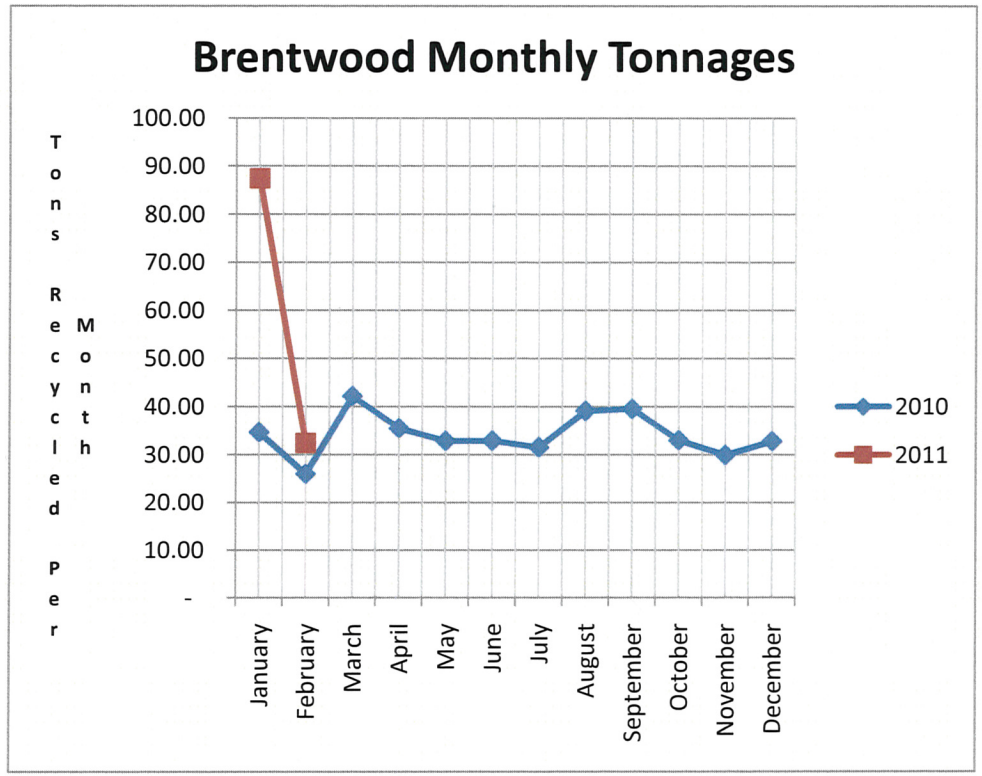
| | | January | February | Total |
|---|---|---|---|---|
| | 2010 | 91.25 | 90.99 | 182.24 |
| | 2011 | 85.64 | 94.43 | 180.07 |
| Icrease (decrease) orer 2010 | | (5.61) | 3.44 | (2.17) |
| % Increase (decrease) over 2010 | | -6% | 4% | -1.19% |



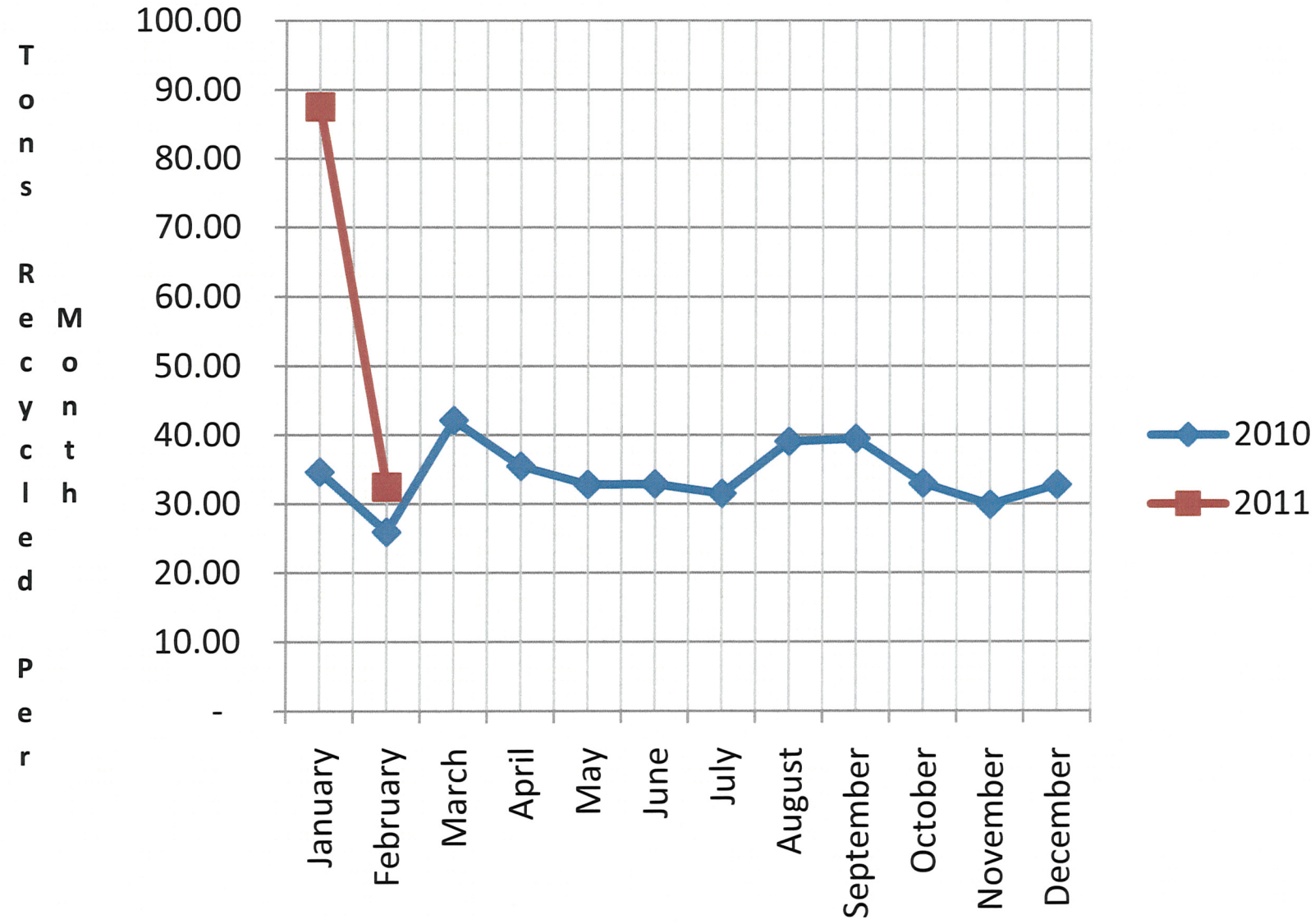

Upper St. Clair Tonnages
Tons Recycled Per Month
180.00
160.00
140.00
120.00
100.00
80.00
60.00
40.00
20.00
-
January
February
March
April
May
June
July
August
September
October
November
December
2010
2011

# Brentwood through February 2011

| | January | February | Total |
|---|---|---|---|
| 2010 | 34.63 | 25.92 | 60.55 |
| 2011 | 87.5 | 32.43 | 119.93 |
| Icrease (decrease) orer 2010 | 52.87 | 6.51 | 59.38 |
| % Increase (decrease over 2010 | 153% | 25% | 98.07% |

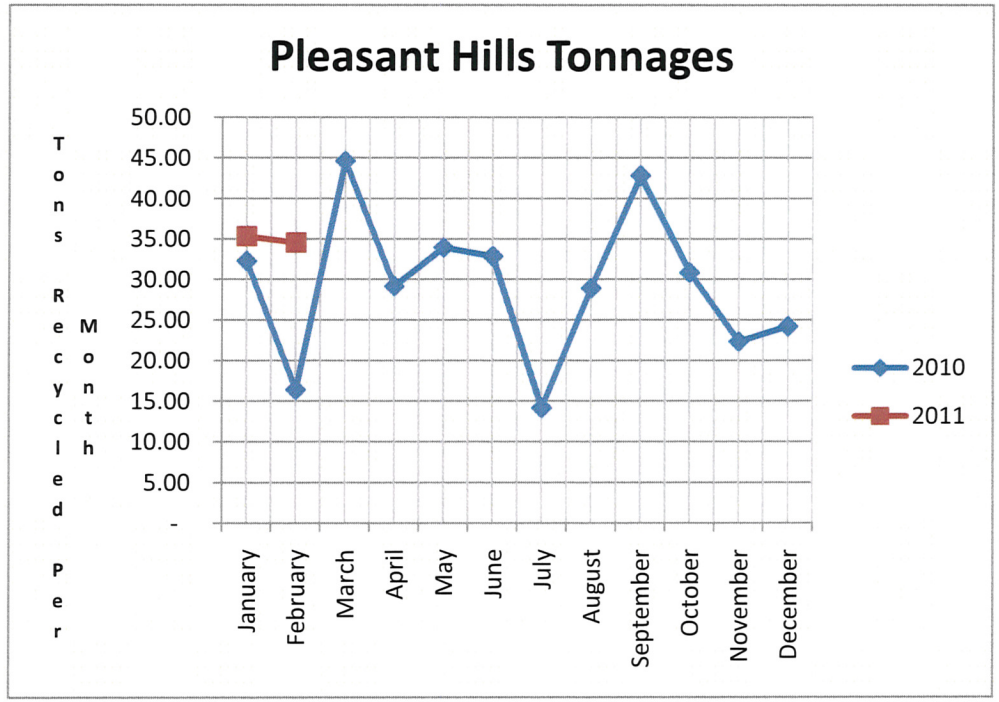


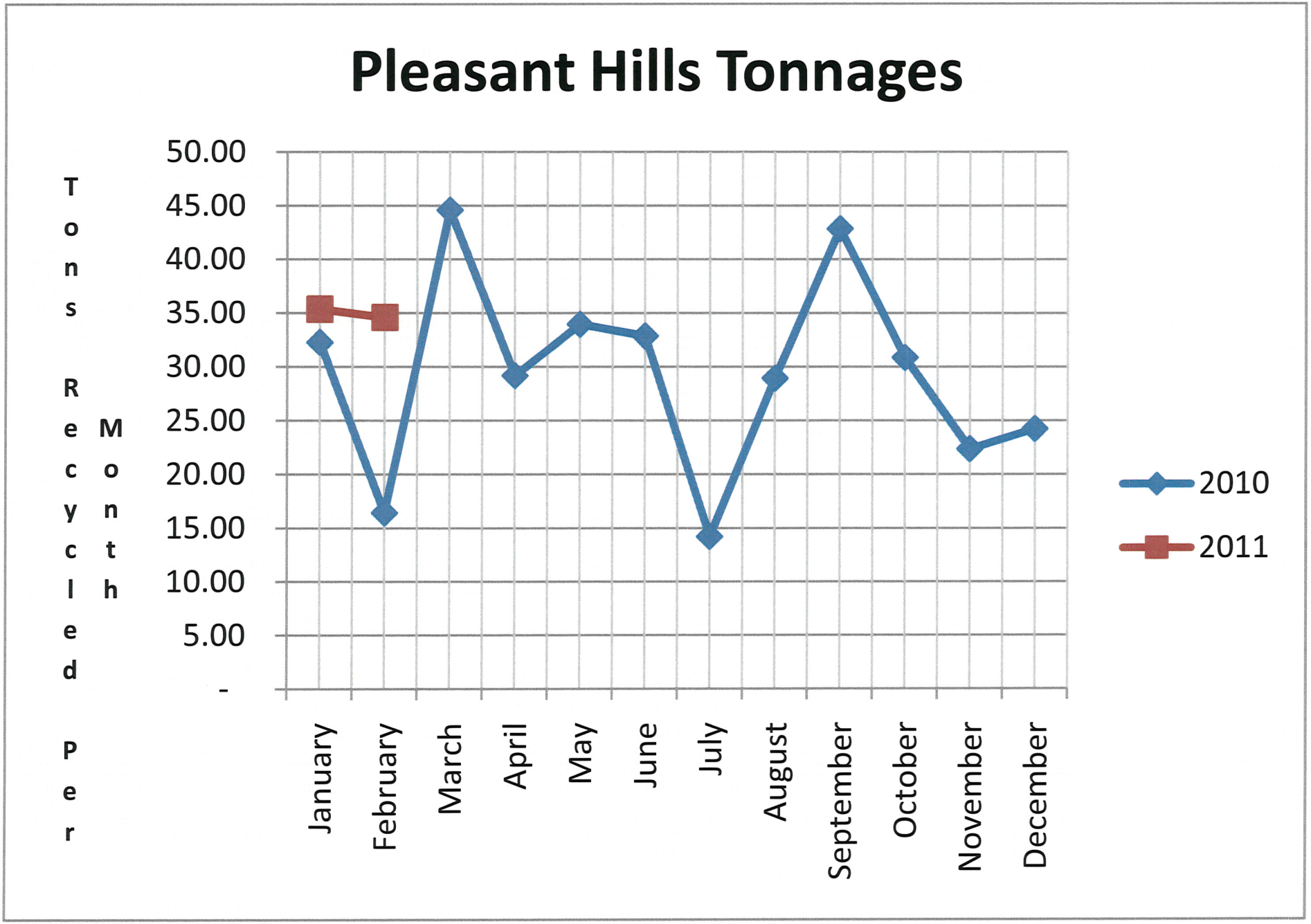
# Brentwood Monthly Tonnages



Pleasant Hills through February 2011

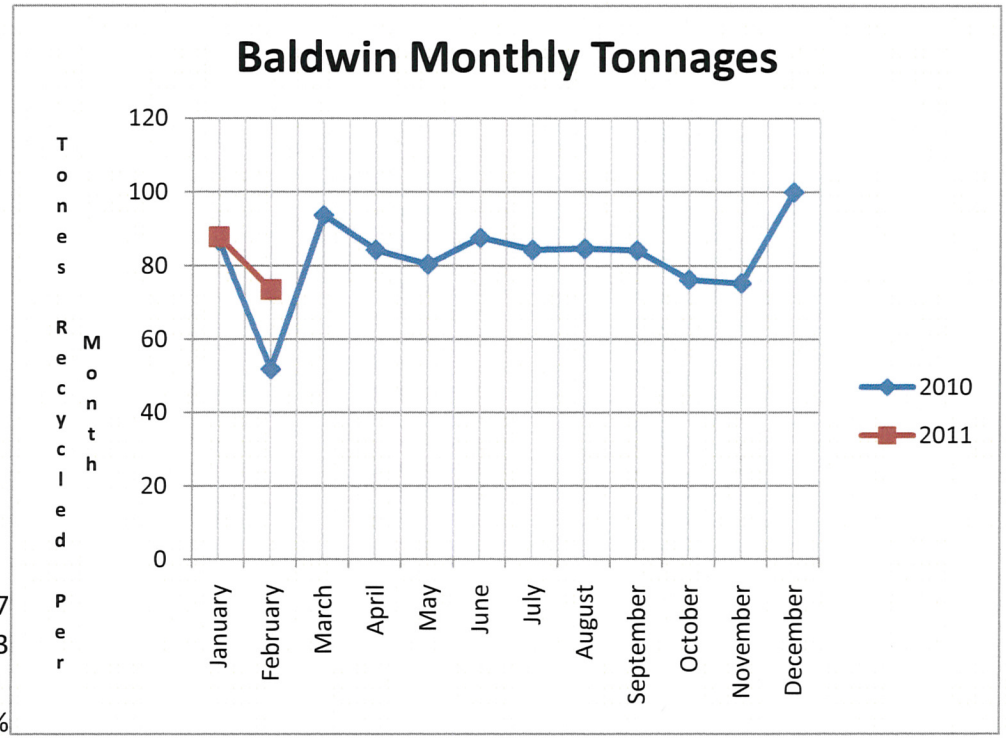
| | January | February | Total |
|---|---|---|---|
| 2010 | 32.28 | 16.42 | 48.70 |
| 2011 | 35.34 | 34.56 | 69.9 |
| Icrease (decrease) over 2010 | 3.06 | 18.14 | 21.20 |
| % Increase (decrease) over 2010 | 9% | 110% | 43.53% |

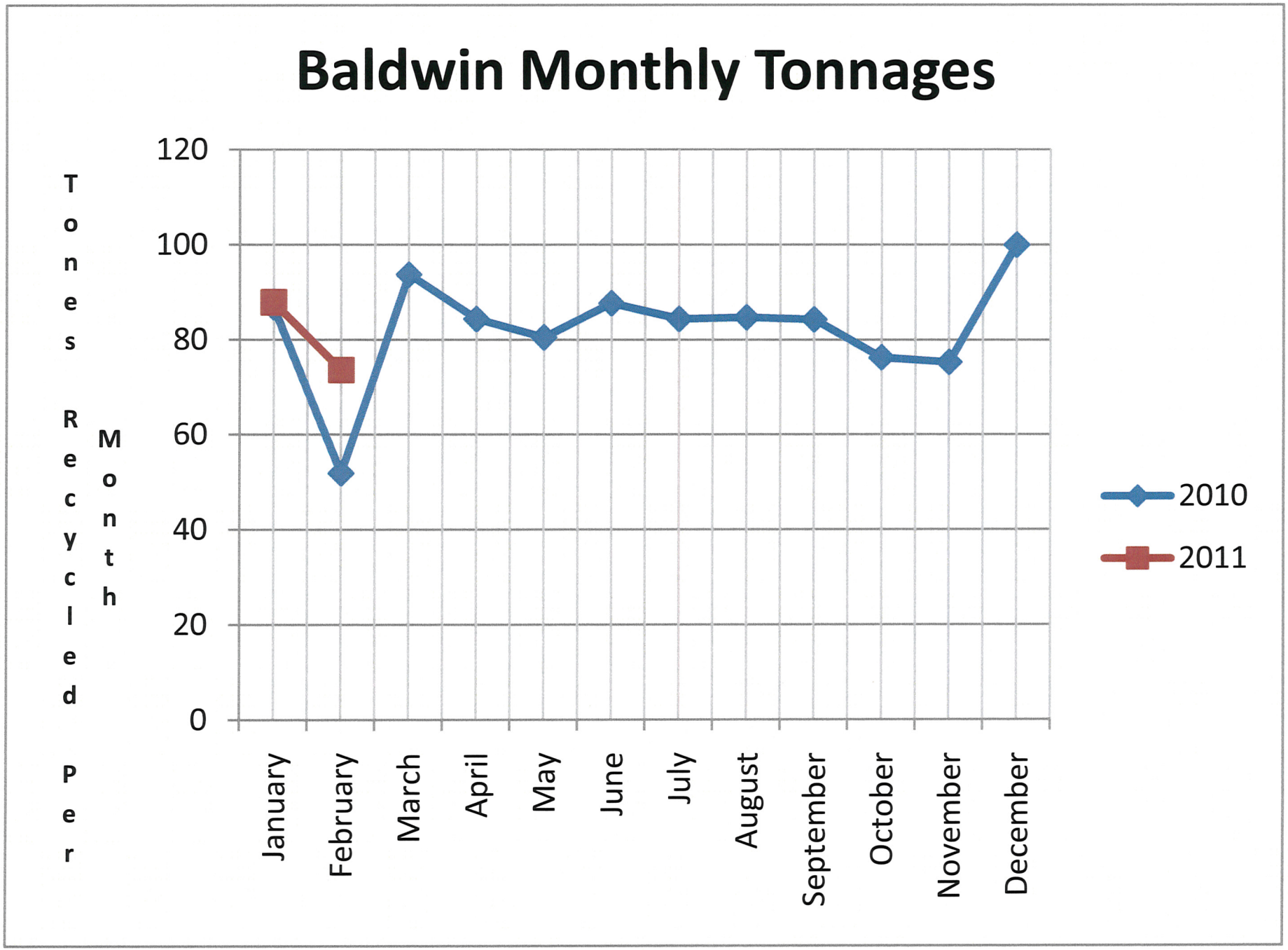



Pleasant Hills Tonnages
Tons Recycled Per Month
50.00
45.00
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
-
January
February
March
April
May
June
July
August
September
October
November
December
2010
2011

# Baldwin Borough through February 2011

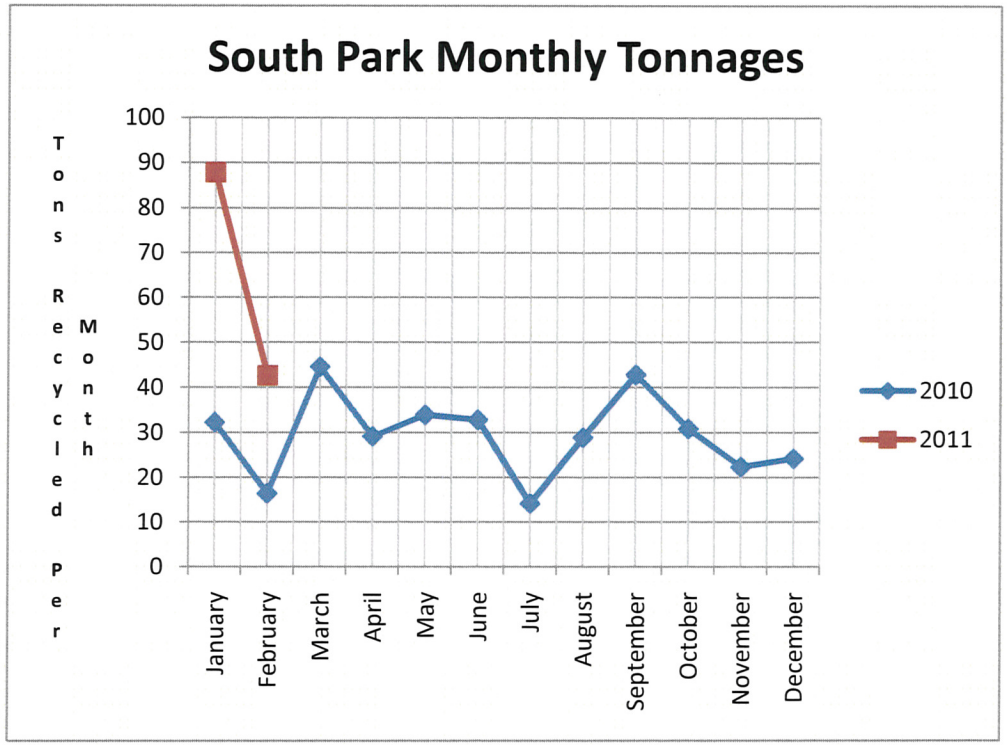
| | January | February | Total |
|---|---|---|---|
| 2010 | 86.8 | 51.87 | 138.67 |
| 2011 | 87.82 | 73.61 | 161.43 |
| Icrease (decrease) over 2010 | 1.02 | 21.74 | 22.76 |
| % Increase (decrease) over 2010 | 1% | 42% | 16.41% |



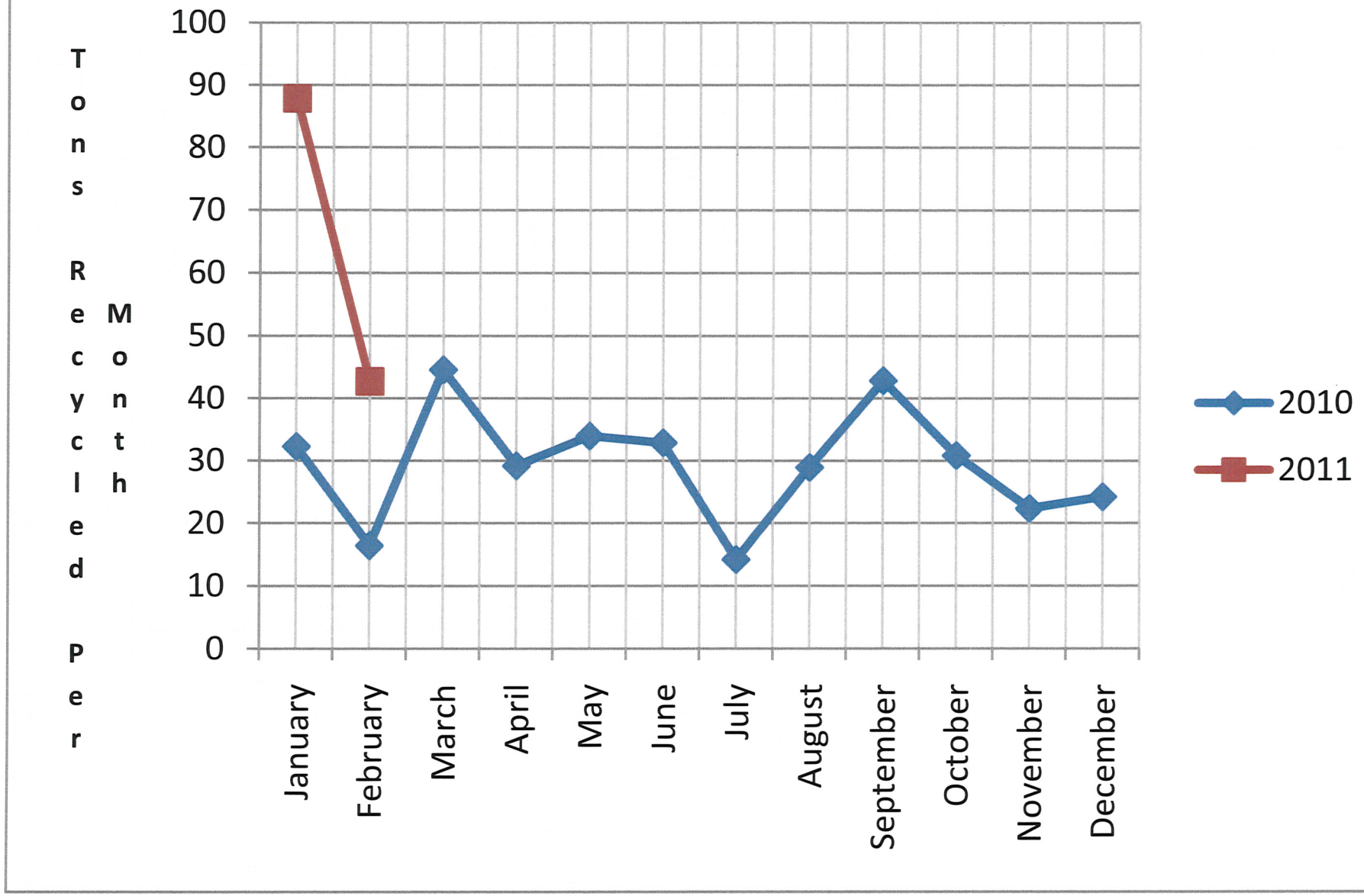

Baldwin Monthly Tonnages
Tones Recycled Per Month
120
100
80
60
40
20
0
January
February
March
April
May
June
July
August
September
October
November
December
2010
2011

# South Park through February 2011

| | | January | February | Total |
|---|---|---|---|---|
| | 2010 | 32.28 | 16.42 | 48.7 |
| | 2011 | 87.82 | 42.68 | 130.5 |
| Icrease (decrease) over 2010 | | 44.92 | 45.92 | 90.84 |
| % Increase (decrease) over 2010 | | 139% | 280% | 187% |

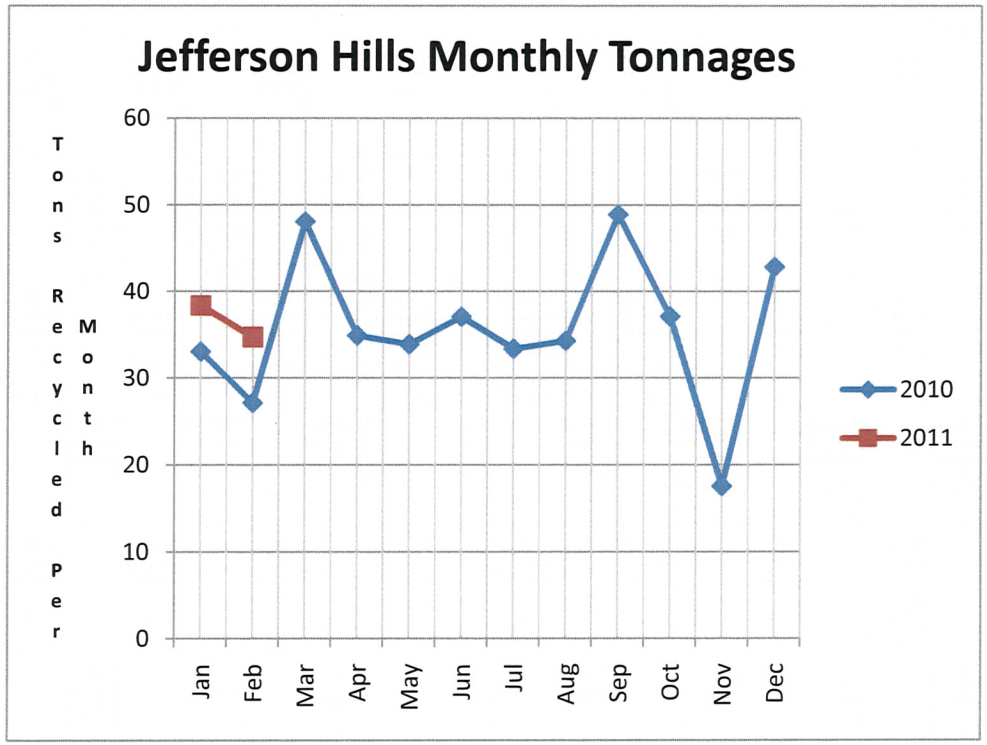


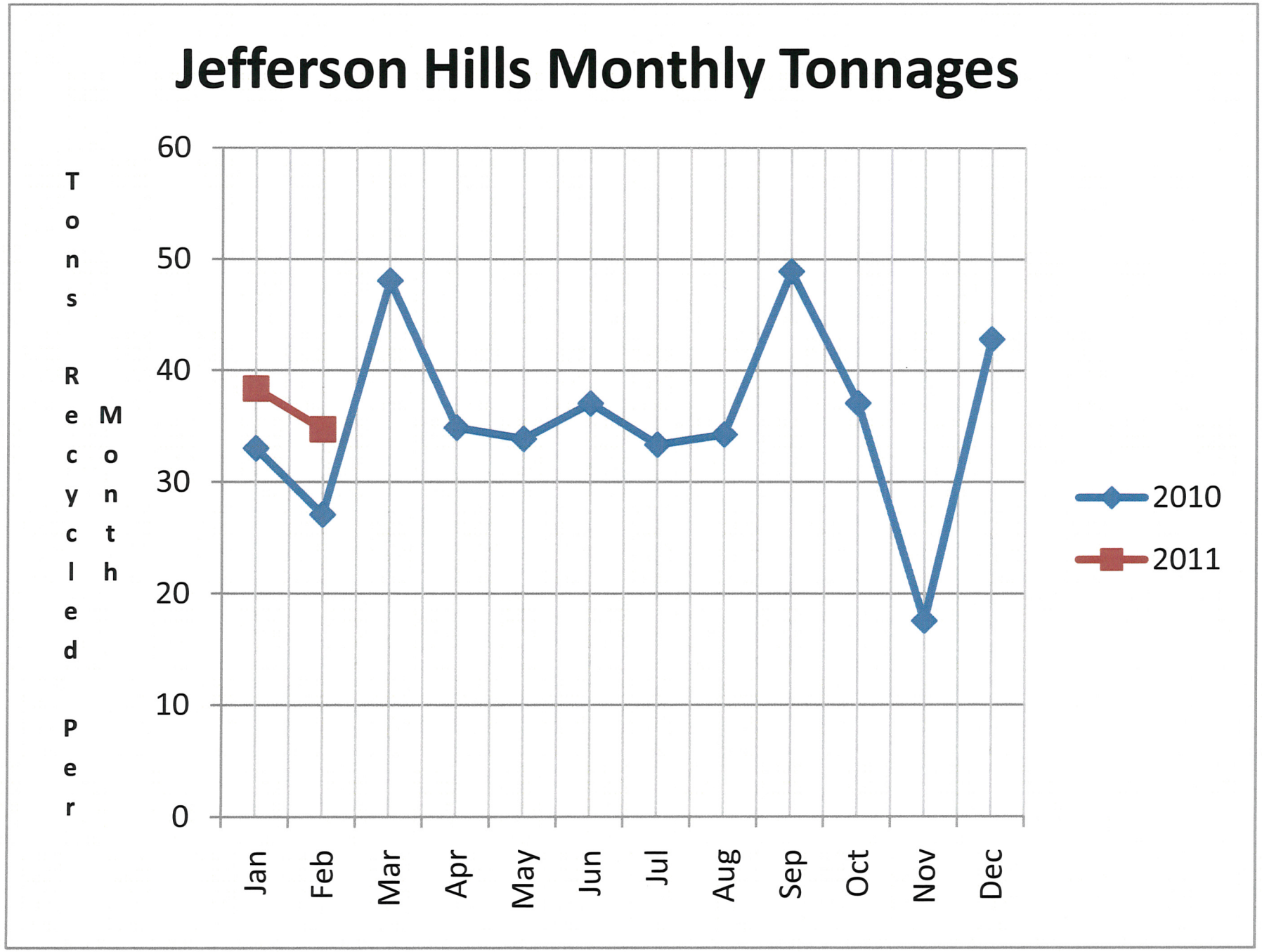
# South Park Monthly Tonnages



Jefferson Hills through February 2011

| | | Jan | Feb | Total |
|---|---|---|---|---|
| | 2010 | 33.02 | 27.11 | 60.13 |
| | 2011 | 38.34 | 34.7 | 73.04 |
| Icrease (decrease) over 2010 | | 5.32 | 7.59 | 12.91 |
| % Increase (decrease) over 2010 | | 16% | 28% | 21.47% |




Jefferson Hills Monthly Tonnages
Tons Recycled Per Month
60
50
40
30
20
10
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
2010
2011