



Christopher J. Loschiavo

ADDRESS REPLY TO

DEPARTMENT OF PUBLIC WORKS

700 BELVOIR ROAD  
PLYMOUTH MEETING, PA 19462  
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September 21, 2016

Re: Act 101, 902 and 904 Grants

Dear PROP:

Plymouth Township has enthusiastically embraced recycling since Act 101 was adopted and before. I have been the Public Works Director here in Plymouth Township since the beginning of 2007. Since that time, I have seen dramatic results because of recycling. Grant funding has played a significant role in our incredible savings in annual trash disposal costs and the sustainability of our growing recycling programs.

Our trash and recycling collection is one of the overall municipal services funded through our general fund by the earned income, real estate, and other taxes and fees. Grants have certainly helped to offset and sustain these inevitable costs. Plymouth Township currently has 26 employees who utilize equipment to collect, process and maintain the equipment for recycling. Our current Sanitation general fund budget is approximately \$1.1 million. Our overall public works general fund budget is approximately \$2.3 million.

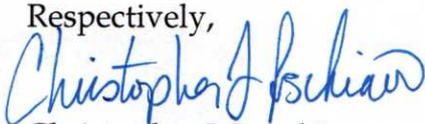
In 2007, I inherited and reaped the benefits from a 902 recycle grant, applied for by my predecessor, for a new tub grinder in the amount of \$271,500.00. This was my first encounter with such grants. Currently, this tub grinder processes over 1,000 ton of yard waste and over 1,000 ton of leaf waste annually. Realizing the grant value, in 2008, I enthusiastically applied for and received a 902 grant in the amount of \$123,500.00 for a 25 yard trash truck body and 5,000 32 gallon recycling cans to accommodate our switch to single stream recycling. Again, the grant has resulted in our ability to collect more recycling and earn more grant dollars because of the 904 performance grant while continuing to save money in trash disposal costs. Despite the recent 40% withholding of our 904 performance grant dollars, we still have earned between \$75,000.00 to \$93,000.00 annually. This 904 grant money is increasingly important because of the now fluctuating and uncertain \$30.00 a ton processing costs for single stream recycling. Just 2 years ago we were making over \$12.00 a ton for the same recycling. This grant money at the very least will help pay for this additional cost of recycle processing. Finally, our most recent 902 Grant was applied for and awarded in 2014 in the amount of \$222,420.00. Our cost share was a mere \$22,242.00 for a Swap Loader truck, a self-contained single man leaf

unit and a 14' container to aid in fall curbside leaf collection. All said, these grants have saved the tax payers in Plymouth Township over \$600,000.00 since 2007 alone.

Attached for your review are Plymouth Township Recycling Reports from both 2006 and 2015 respectively. The years 2007 through 2014 (not shown) show a steady increase in recycling tonnage and reduced trash tonnage. The bottom line is that recycling has saved the Township significantly over those years. Ongoing and continuing improvements of our existing recycling programs, continued grant money, and the implementation of our many new recycling programs over the last few years has resulted in a significant reduction in our trash disposal and operating costs from 2007 to 2015. In 2007 our trash disposal costs were a staggering \$519,783.00. In 2008 those costs were only \$352,860 largely because of Single Stream Recycling, the inception of the Yard Waste Program and our terrific curbside leaf collection. In 2015 trash disposal costs dropped dramatically again to \$246,000, a 53% decrease (\$273,783.00) in disposal costs since 2007. In 2015, Plymouth Township, through all of our programs, collected a total of 9,153 ton of solid waste. 4,502 ton of this solid waste (49.2%) is renewed and reused as recycled material. In 2006, a total of 9,089 ton of solid waste was collected and only 19.3% was recycled. As you can see the Solid Waste totals from 2006 to 2015 is consistent. The clear difference is in the increased percentage of recycling.

While many Municipalities and the like over the years have had to cut programs because of rising costs, Plymouth Township has continued to add recycling programs and continues to find new ways to reduce trash disposal costs. We are able to do this in large part because of the current available 902 and 904 recycling grant money. Without available recycle grants Plymouth Township will likely have a difficult time continuing its current pace and will find it difficult to justify moving forward. We hope for the sake of our residents and the environment that the recycle grants will continue in the future.

Respectively,



Christopher J. Loschiavo  
Director of Public Works

## PLYMOUTH TOWNSHIP RECYCLING REPORT

2006	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Clear Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Green Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brown Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Glass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mixed Cans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Commingled	39.5	18.4	38.4	20.6	24.4	26.3	26.5	27.7	26.1	25.7	48.9	31.4
Mixed Paper	40.5	38.6	40.5	46.1	52.2	54.2	42.9	49.8	53.2	56.7	54.7	44.5
Total	80.0	57.0	78.9	66.7	76.6	80.4	69.4	77.5	79.3	82.4	103.6	75.9
YTD	80.0	137.0	215.9	282.6	359.2	439.6	509.0	586.5	665.8	748.2	851.8	927.7
Wood Chips (yds)	80			200			290		580			
Wood Chips (tns)	22.0	0.0	0.0	55.0	0.0	0.0	79.8	0.0	159.5	0.0	0.0	0.0
YTD	22.0	22.0	22.0	77.0	77.0	77.0	156.8	156.8	316.3	316.3	316.3	316.3
White Goods	7.6	8.5	2.8	3.7	3.0	3.1	2.7	4.6	3.5	1.9	2.5	2.3
YTD	7.6	16.1	18.9	22.6	25.6	28.6	31.3	35.9	39.4	41.3	43.8	46.1
Leaves (yds)										380.0	3,232.8	1,005.0
Leaves (tns)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	323.3	100.5
YTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	361.3	461.8
Total Recycle	109.6	65.5	81.6	125.4	79.6	83.5	151.9	82.0	242.3	122.3	429.4	178.7
YTD	109.6	175.1	256.7	382.1	461.7	545.2	697.1	779.1	1,021.4	1,143.7	1,573.1	1,751.8
Trash Total	571.85	404.05	527.82	627.91	713.93	743.04	690.83	640.46	654.86	630.97	609.61	522.1
YTD	571.9	975.9	1,503.7	2,131.6	2,845.6	3,588.6	4,279.4	4,919.9	5,574.8	6,205.7	6,815.3	7,337.4
Trash Loads	96	66	92	92	115	102	110	110	100	105	95	94
YTD	96	162	254	346	461	563	673	783	883	988	1083	1177
Total Solid Waste	681.43	469.57	609.43	753.31	793.54	826.53	842.68	722.5	897.14	753.31	1039	700.8
YTD	681.43	1151	1760.43	2513.74	3307.28	4133.81	4976.49	5698.99	6596.13	7349.44	8388.44	9089.24
Percentage	16.1	14.0	13.4	16.6	10.0	10.1	18.0	11.4	27.0	16.2	41.3	25.5
YTD	16.1	15.2	14.6	15.2	14.0	13.2	14.0	13.7	15.5	15.6	18.8	19.3

## PLYMOUTH TOWNSHIP RECYCLING REPORT

2015	Jan (tons)	Feb (tons)	Mar (tons)	Apr (tons)	May (tons)	Jun (tons)	Jul (tons)	Aug (tons)	Sep (tons)	Oct (tons)	Nov (tons)	Dec (tons)
Single stream	121.8	106.6	120.5	116.0	118.7	139.0	124.7	109.0	107.3	118.9	105.3	169.8
Total	121.8	106.6	120.5	116.0	118.7	139.0	124.7	109.0	107.3	118.9	105.3	169.8
YTD	121.8	228.4	349.0	464.9	583.6	722.6	847.3	956.3	1,063.6	1,182.5	1,287.8	1,457.6
Wood Chips (yds)	0	0	100	80	0	0	0	0	80	80	0	0
Wood Chips (tns)	0.0	0.0	27.5	22.0	0.0	0.0	0.0	0.0	22.0	22.0	0.0	0.0
YTD	0.0	0.0	27.5	49.5	49.5	49.5	49.5	49.5	71.5	93.5	93.5	93.5
Yard Waste (yds)	130.0	20.0	50.0	610.0	540.0	380.0	520.0	350.0	380.0	340.0	340.0	240.0
Yard Waste (tns)	39.0	6.0	15.0	183.0	162.0	114.0	156.0	105.0	114.0	102.0	102.0	72.0
YTD	39.0	45.0	60.0	243.0	405.0	519.0	675.0	780.0	894.0	996.0	1098.0	1170.0
Electronics (lbs)	3679.0	5763.0	2749.0	5466.0	2719.0	4960.0	7153.0	0.0	7060.0	0.0	6191.0	7034.0
Electronics (tns)	1.8	2.9	1.4	2.7	1.4	2.5	3.6	0.0	3.5	0.0	3.1	3.5
YTD	1.8	4.7	6.1	8.8	10.2	12.7	16.2	16.2	19.8	19.8	22.9	26.4
White Goods	0.5	0.0	2.7	0.8	7.0	0.9	1.0	3.5	0.9	1.1	1.0	0.6
YTD	0.5	0.5	3.2	4.0	11.0	11.9	13.0	16.5	17.3	18.4	19.4	20.0
Leaves (yds)	0									260.0	3,745.0	950.0
Leaves (tns)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.0	1,310.8	332.5
YTD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.0	1,401.8	1,734.3
Total Recycle	163.2	115.5	167.1	324.5	289.1	256.4	285.4	217.5	247.7	335.0	1,522.1	578.4
YTD	163.2	278.7	445.7	770.2	1,059.2	1,315.7	1,601.0	1,818.6	2,066.2	2,401.2	3,923.3	4,501.7
Trash Total	332.51	294.89	364.74	391.9	403.1	450.189	412.063	388.65	391.52	388.64	387.06	446.09
YTD	332.5	627.4	992.1	1,384.0	1,787.1	2,237.3	2,649.4	3,038.0	3,429.6	3,818.2	4,205.3	4,651.4
Trash Loads	56	54	56	60	67	67	67	63	58	68	59	64
YTD	56	110	166	226	293	360	427	490	548	616	675	739
Total Solid Waste	495.6995	410.37	531.8045	716.363	692.16	706.609	697.42	606.18	639.2	723.6	1909.17	1024.54
YTD	495.6995	906.07	1437.87	2154.23	2846.39	3553	4250.42	4856.6	5495.8	6219.4	8128.57	9153.1
Percentage	32.9	28.1	31.4	45.3	41.8	36.3	40.9	35.9	38.7	46.3	79.7	56.5
YTD	32.9	30.8	31.0	35.8	37.2	37.0	37.7	37.4	37.6	38.6	48.3	49.2