



Generator Permit Guide

Please review the entire list below and check each item as provided.

PERMIT:

- Completed permit application form, including contractor information.
- Homeowner's Association approval letter (when appropriate).
- Verification from NICOR that the gas meter and service are adequate for all concurrent loads (see SAMPLE attachment)
- Two Copies of 11x17" Plat of survey indicating location of proposed unit including dimensions:
 - To structure(s), windows & doors, and property line(s).
 - Required working space at electrical disconnect(s).
- Two Copies of specifications and details of installation, including:
 - Gas isometric from meter to generator (use the attachment) indicating all concurrent loads on each segment.
 - Gas line burial depths & tracer (if required) details.
- Two Copies Specifications and details of pad and screening.
- Two Copies Specifications and details regarding sound levels generated.
- Two Copies Full specifications and details, including-but not limited to:
 - Manufacturer's specifications for generator and ATO Switch.
 - One line diagrams:
 - Wire and pipe size, material, and burial depths (if appropriate). Grounding.

Requirements for Generators

9-12-6: Private Power Generators:

A. Building Permit Requirements: A building permit shall be obtained prior to the installation of any private power generator. Applications for a building permit to install a private power generator shall include, in addition to any requirements contained in the village building code, the following documents:

1. A spotted survey, drawn to scale, of the lot upon which the private power generator is to be constructed, showing thereon the proposed location of the private power generator. The survey shall include written dimensions of the distances between the generator and the lot lines and structures on the lot, and shall also show the location, size and type of easements on the property.
2. Plans and specifications for the installation, including elevations and concrete pad construction. (Ord. 2001-02, 1-25-2001)
3. Landscape plan, including details and elevations of required screening, in accordance with subsection 9-13-8D of this title. (Ord. 2009-31, 7-16-2009)

B. Location Restrictions:

1. Private power generators may be located in required interior side and rear yards, and in interior side and rear landscape setbacks in accordance with the following provisions:
 - a. Generators accessory to nonresidential uses shall not be placed in a required yard or landscape setback that abuts a residential use. Generators accessory to multi-family residential uses shall not be placed in a required yard or landscape setback that abuts a single-family residential use.
 - b. Generators shall be located a minimum of three feet (3') from any property line.
 - c. Generators shall not be located on easements without the express written consent of all parties to whom the easement is granted, documentation shall be submitted to the zoning officer prior to the issuance of any building permit related to the installation of the generator. Generators may not be located in detention facilities or over spillways.
 - d. The height of generators accessory to nonresidential uses and their required screening (except for landscape screening) shall not exceed the height of the principal structure. The height of generators accessory to residential uses shall not exceed six feet (6'). (Ord. 2001-02, 1-25-2001)
 - e. Private generators shall be screened in accordance with subsection 9-13-8D of this title. (Ord. 2009-31, 7-16-2009)
2. No private power generators accessory to residential uses are permitted to be located in the buildable area between the principal structure and the front or exterior side lot line(s). No private power generators accessory to nonresidential uses are permitted to be located in the buildable area between the principal structure and the front or exterior side lot line(s) unless they are in accordance with the following provisions:
 - a. The generator may not be greater than six feet (6') in height. (Ord. 2001-02, 1-25-2001)
 - b. Generators shall be screened in accordance with subsection 9-13-8D of this title. (Ord. 2009-31, 7-16-2009)

Screening Requirements

9-13-8D. Screening Requirements For All Private Generators:

1. Generators that are less than four feet (4') in all dimensions are not required to be screened.
2. Generators that are four feet (4') or greater in any dimension shall be screened in accordance with the following provisions:
 - a. Generators and their cabinets six feet (6') in height or less on lots with nonresidential uses and on lots with multi-family uses shall be enclosed within a masonry wall or solid fence. Fences shall be constructed of commercial grade wood or comparable materials.
 - b. Generators six feet (6') in height or less on lots with single-family residential uses shall be fully enclosed within a metal cabinet or by a masonry wall.
 - c. Generators greater than six feet (6') in height shall be completely enclosed within a metal cabinet or within a completely enclosed accessory building. Metal cabinets shall have an even, finished appearance free of projections and protrusions. The design, color and materials of completely enclosed accessory buildings shall match those of the principal structure. (Ord. 2009-31, 7-16-2009)
3. The design, construction materials and color of the screening referred to in subsection D2 of this section shall be subject to the approval of the director of community development, who shall base his or her approval on the following criteria: (Ord. 2009-31, 7-16-2009; amd. Ord. 2010-29, 5-20-2010)
 - a. The design shall provide the screening effect required by this section. The screening shall be constructed of materials which shall complement the materials used in the construction of the principal building or structure.
 - b. The color of the required screening shall match the color of the principal building or shall be selected to blend into the surroundings.
4. Landscaping shall be provided in addition to the required screening. Said landscaping shall consist, at a minimum, of large shrubs planted three feet (3') apart around the perimeter of the generator and its screening fence, wall or cabinet. For those generators and required screening that exceed six feet (6') in height, the required landscaping shall consist of tall evergreen shrubs (such as arborvitae) spaced four feet (4') apart or evergreen trees that are a minimum of eight feet (8') in height and spaced eight feet (8') apart. (Ord. 2009-31, 7-16-2009)
5. If it is not possible to meet all of the screening and landscaping regulations set forth in this subsection, the director of community development, at his or her discretion, may approve an alternate plan. (Ord. 2009-31, 7-16-2009; amd. Ord. 2011-21, 5-12-2011)



Nancy Butler
Projects

Glen Elym Office
P 630-629-2500, X 325
F 630-629-7243

nbutler@nicor.com

CUSTOMER NAME :

CONTACT NAME:

Existing ADDRESS:

Please forward to the customer

****If any equipment you are adding requires a minimum gas pressure greater than 6.5 to 6.75" water column please indicate gas pressure required.**

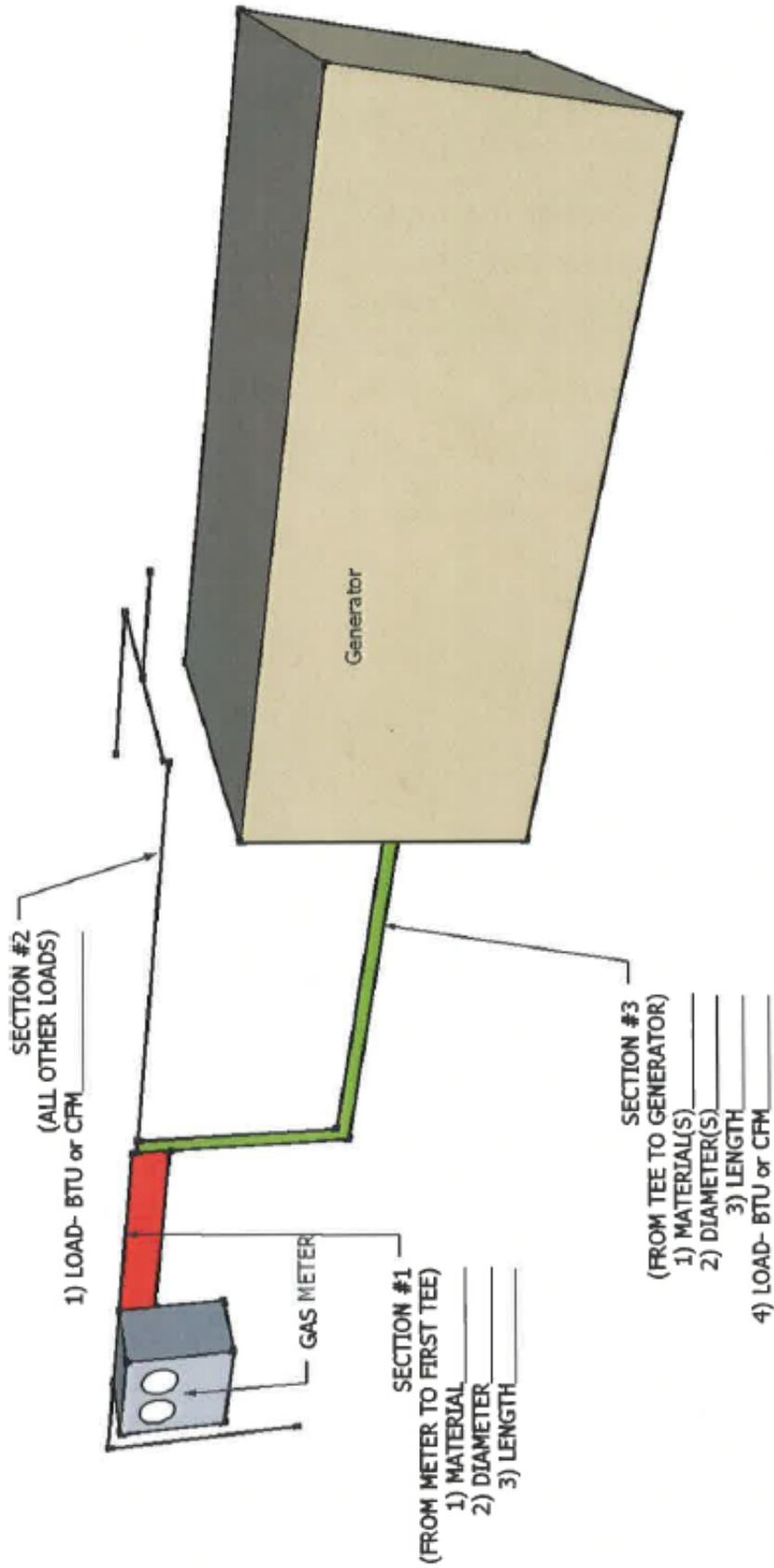
GAS EQUIPMENT LIST

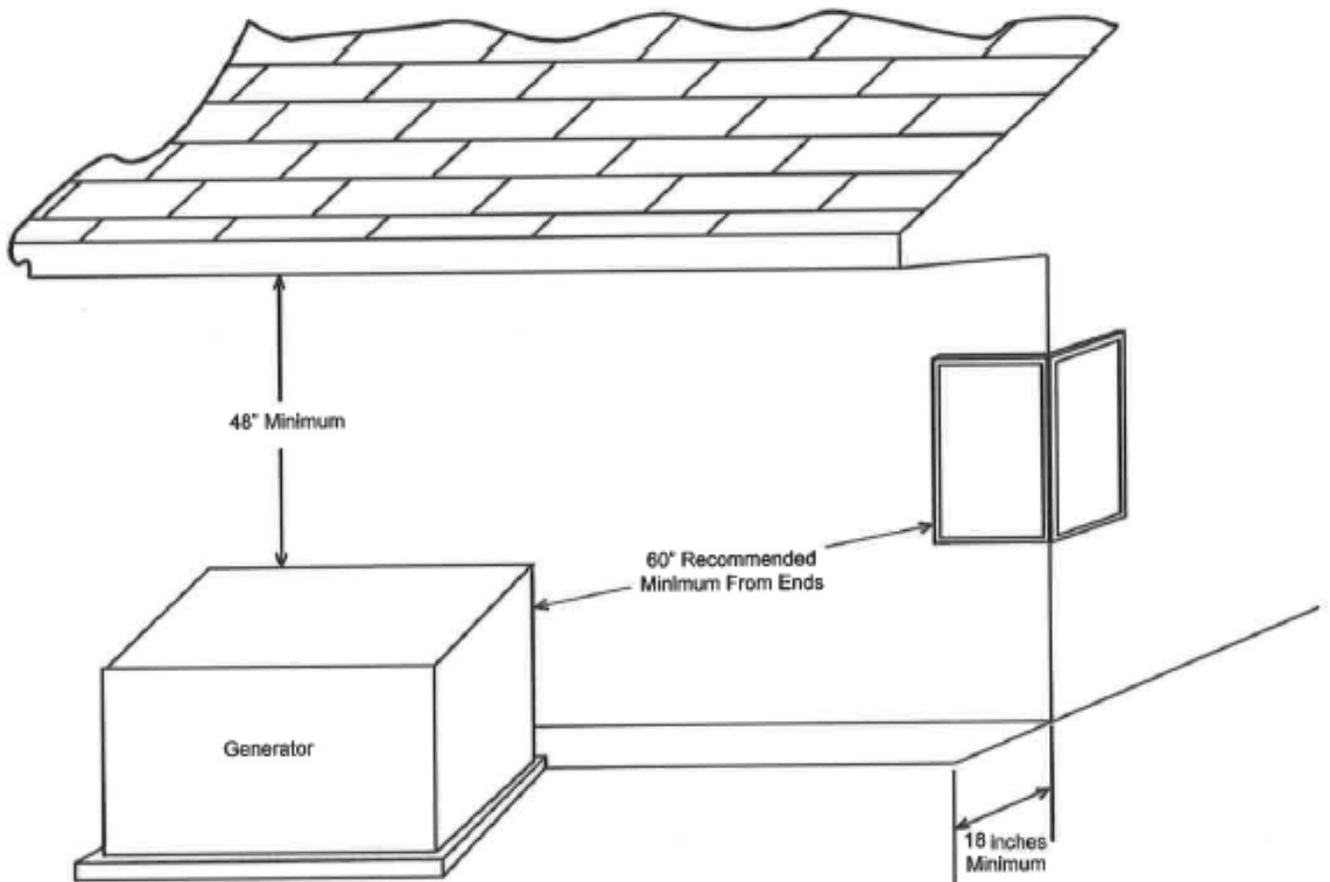
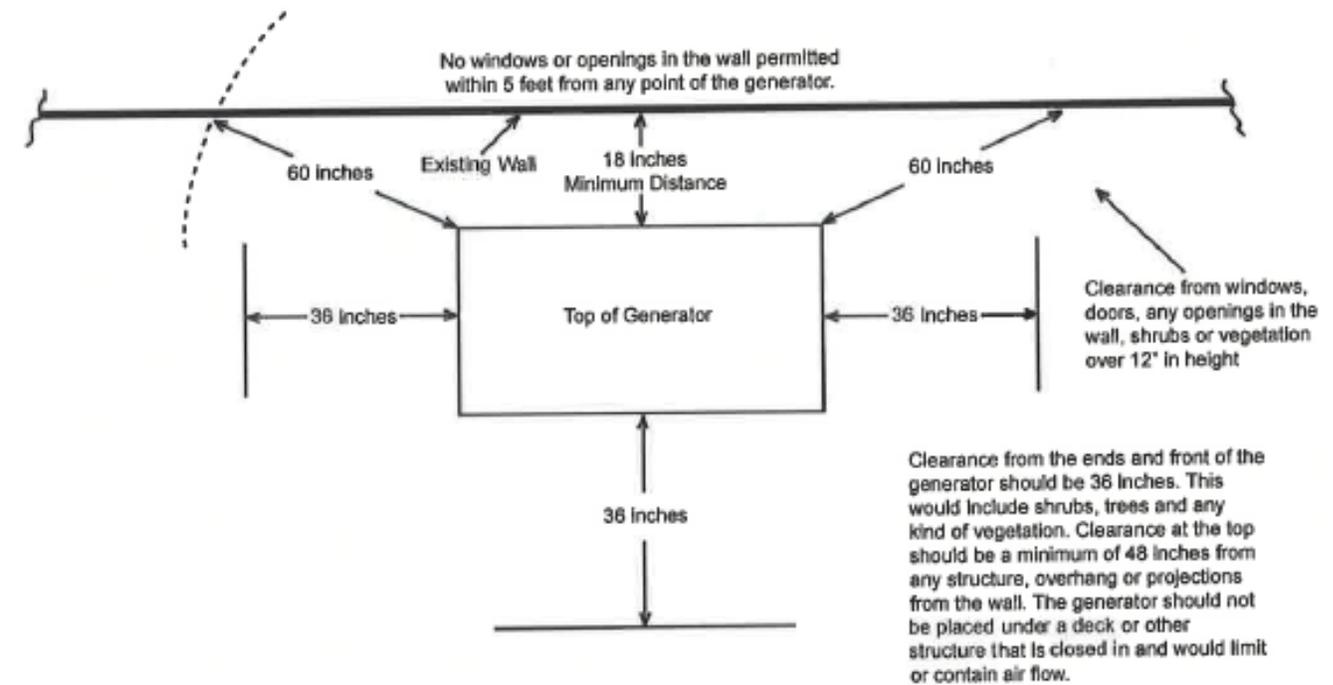
Re: Upgraded gas meter because of generator.

CURRENT EQUIPMENT		EQUIPMENT TO BE ADDED		EQUIPMENT TO BE REMOVED		
Appliance Name	BTU Input	Appliance Name	BTU Input	**Minimum Gas Pressure Required	Appliance Name	BTU Input
Furnace	80,000	Generator	240,000	X lb. 5 - 11 wc		
Hot Water	65,000					
Stove	20,000					
Dryer	25,000					
With addition of generator, current meter is inadequate. New gas meter ordered on 9/1/10.						

Please fill out applicable sections and return to Nicor. Your order CANNOT proceed without this information.
****Minimum Gas Pressure on added equipment must be complete**

Please make copies if necessary.





NOTE: Clearance and separation distances will be FIELD MEASURED by the Inspector. The Installer will be required to meet or exceed all required dimensions.

TABLE 402.4(1)
SCHEDULE 40 METALLIC PIPE

		Gas Natural												
		Inlet Pressure Less than 2 psi												
		Pressure Drop 0.3 in. w.c.												
		Specific Gravity 0.60												
PIPE SIZE (inch)														
Nominal	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12
Actual ID	0.622	0.824	1.049	1.380	1.610	2.067	2.469	3.068	4.026	5.047	6.065	7.981	10.020	11.938
Length (ft)	Capacity in Cubic Feet of Gas Per Hour													
10	131	273	514	1,060	1,580	3,050	4,860	8,580	17,500	31,700	51,300	105,000	191,000	303,000
20	90	188	353	726	1,090	2,090	3,340	5,900	12,000	21,800	35,300	72,400	132,000	208,000
30	72	151	284	583	873	1,880	2,680	4,740	9,660	17,500	28,300	58,200	106,000	167,000
40	62	129	243	499	747	1,440	2,290	4,050	8,270	15,000	24,200	49,800	90,400	143,000
50	55	114	215	442	662	1,280	2,030	3,590	7,330	13,300	21,500	44,100	80,100	127,000
60	50	104	195	400	600	1,160	1,840	3,260	6,640	12,000	19,500	40,000	72,600	115,000
70	46	95	179	368	552	1,060	1,690	3,000	6,110	11,100	17,900	36,800	68,800	106,000
80	42	89	167	343	514	989	1,580	2,790	5,680	10,300	16,700	34,200	62,100	98,400
90	40	83	157	322	482	928	1,480	2,610	5,330	9,650	15,600	32,100	58,300	92,300
100	38	79	148	304	455	877	1,400	2,470	5,040	9,110	14,800	30,300	55,100	87,200
125	33	70	131	269	403	777	1,240	2,190	4,460	8,080	13,100	26,900	48,800	77,300
150	30	63	119	244	366	704	1,120	1,980	4,050	7,320	11,900	24,300	44,200	70,000
175	28	58	109	224	336	648	1,030	1,820	3,720	6,730	10,900	22,400	40,700	64,400
200	26	54	102	209	313	602	960	1,700	3,460	6,260	10,100	20,800	37,900	59,900
250	23	48	90	185	277	534	851	1,500	3,070	5,550	8,990	18,500	33,500	53,100
300	21	43	82	168	251	484	771	1,380	2,780	5,030	8,150	16,700	30,400	48,100
350	19	40	75	154	231	445	709	1,250	2,560	4,630	7,490	15,400	28,000	44,300
400	18	37	70	143	215	414	660	1,170	2,380	4,310	6,970	14,300	26,000	41,200
450	17	35	66	135	202	389	619	1,090	2,230	4,040	6,540	13,400	24,400	38,600
500	16	33	62	127	191	367	585	1,030	2,110	3,820	6,180	12,700	23,100	36,500
550	15	31	59	121	181	349	556	982	2,000	3,620	5,870	12,100	21,900	34,700
600	14	30	56	115	173	333	530	937	1,910	3,460	5,600	11,500	20,900	33,100
650	14	29	54	110	165	318	508	897	1,830	3,310	5,360	11,000	20,000	31,700
700	13	27	52	106	159	306	488	862	1,760	3,180	5,150	10,800	19,200	30,400
750	13	26	50	102	153	295	470	830	1,690	3,060	4,960	10,200	18,500	29,300
800	12	26	48	99	148	285	454	802	1,640	2,960	4,790	9,840	17,900	28,300
850	12	25	46	95	143	275	439	776	1,580	2,860	4,640	9,530	17,300	27,400
900	11	24	45	93	139	267	426	752	1,530	2,780	4,500	9,240	16,800	26,600
950	11	23	44	90	135	259	413	731	1,490	2,700	4,370	8,970	16,300	25,800
1,000	11	23	43	87	131	252	402	711	1,450	2,620	4,250	8,720	15,800	25,100
1,100	10	21	40	83	124	240	382	675	1,380	2,490	4,030	8,290	15,100	23,800
1,200	NA	20	39	79	119	229	364	644	1,310	2,380	3,850	7,910	14,400	22,700
1,300	NA	20	37	76	114	219	349	617	1,260	2,280	3,680	7,570	13,700	21,800
1,400	NA	19	35	73	109	210	335	592	1,210	2,190	3,540	7,270	13,200	20,900
1,500	NA	18	34	70	105	203	323	571	1,160	2,110	3,410	7,010	12,700	20,100
1,600	NA	18	33	68	102	196	312	551	1,120	2,030	3,290	6,770	12,300	19,500
1,700	NA	17	32	66	98	189	302	533	1,090	1,970	3,190	6,550	11,900	18,800
1,800	NA	16	31	64	95	184	293	517	1,050	1,910	3,090	6,350	11,500	18,300
1,900	NA	16	30	62	93	178	284	502	1,020	1,850	3,000	6,170	11,200	17,700
2,000	NA	16	29	60	90	173	276	488	1,000	1,800	2,920	6,000	10,900	17,200

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square inch = 6.895 kPa, 1-inch water column = 0.2488 kPa, 1 British thermal unit per hour = 0.2931 W, 1 cubic foot per hour = 0.0283 m³/h, 1 degree = 0.01745 rad.

Notes:

1. NA means a flow of less than 10 cfh.
2. All table entries have been rounded to three significant digits.

For water column pressure greater than listed see IFGC tables 402.4

VILLAGE OF WOODRIDGE BUILDING PERMIT

5 Plaza Drive
Woodridge, IL 60517
Phone: (630) 719-4750 Fax: (630) 719-2900

Plan # or Name _____ Date _____

Permit Application Address _____

Lot# _____ Subdivision _____

Description of Work _____

Zoning _____ Size of Lot _____ X _____ Total Estimated Cost \$ _____

Property Owner _____ Address, Town, Zip _____ Phone _____

Tenant _____

General Contractor _____

Architect _____

Brick _____

Carpenter _____

Concrete/ Asphalt Contractor _____

Electrician _____

Low Voltage Contractor _____

Excavator _____

Fire Alarm _____

Fire Protection _____

Heating Contractor _____

Plumber _____

Roofer _____

Sewer Contractor _____

Kind of Construction _____ Width _____ Length _____ Height _____

Contact Email Address _____ Applicant's Signature _____

Permit # _____

APPROVED
Plan Review _____ Date _____

ISSUED
Plan Review _____ Date _____

ACCOUNTING CODE	AMOUNT
101-0000-323-0100	Building Permit
	Electrical Permit
	Plumbing Permit
	Plan Reviews
	Deck Permit
	Driveway Permit
	Fence Permit
	Flatwork Permit
	Lawn Sprinkler
	Sewer Permit
	Shed Permit
	Swimming Pool
	Roof Permit
	Misc.
501-0000-344-0500	Water Connection
501-0000-344-0600	Water Meter
501-0000-344-0200	Unmetered Water
	School District
101-0000-207-1100	School Dist. 66
101-0000-207-1200	School Dist. 68
101-0000-207-1300	School Dist. 99
101-0000-207-1412	School Dist 113A
101-0000-207-1701	School Dist 203
101-0000-207-1500	School Dist 210
101-0000-207-19XX	School Dist 365
	Park District
101-0000-207-16XX	Woodridge Park District
101-0000-207-20XX	Bolingbrook Park Dist
206-0000-365-0000	Charitable Contributions
	GRAND TOTAL

OFFICE USE ONLY