Ward Redistricting

Why?



Ward (1993)	Number of Councilors	Ward Population (P0030001)	Ward Population Per Councilor	Deviation from Ideal Per Councilor	Percent Deviation from Ideal Per Councilor
1	2	7593	3797	767	25.3%
2	2	6106	3053	23	0.8%
3	2	6076	3038	8	0.3%
4	2	5081	2541	-489	-16.1%
5	2	5817	2909	-121	-4.0%
6	2	6343	3172	142	4.7%
7	2	5401	2701	-329	-10.9%
Total:		42417	Overall Plan Deviation:		41.5%
Ideal Per Councilor:		3030			

Existing Ward Population According the 2010 US Census

Deviation for Ward 1:	(3797 - 3030) * 2 Councilors = 1534	1534 / (3030 * 2 councilors) = 25.3%	
Overall Plan Deviation:	25.3% + (-16.1% * -1) = 41.5%	Percentage point spread between highest and lowest population wards	

DEFINITIONS:	
DISTRICT	A geographic area whose boundaries that define the constituency of an elected official. A District can include one of more elected legislators (Councilors).
PLAN	An electoral District configuration proposal.
IDEAL POPULATION	Number of people that should be in each of the town or city's electoral districts for exactly equal representation. This number is calculated by dividing the total city population by the total number of legislators (City Councilors), then multipled by the number of legislators in each district.
DEVIATION	The difference between a District's population and Ideal Population, expressed as either number of people or percent. The Ideal population is subtracted from the actual population. That number is divided by the Ideal Population to yield the percentage deviation. The maximum Deviation for approximately equal representation is 10%.
OVERALL PLAN DEVIATION	The Overall Plan Deviation is the Deviation percentage point spread between the most and least populated Districts. The courts use this measure to determine the extent to which a Plan provides equal representation, defined as a maximum of 10% for equality.

		Ward Population (Sorted)	Ideal Ward Population	Population Deviation per Ward	Ward Percent Deviation from Ideal
Ward	Number of Councilors	From GIS Overlay	(Ideal Population per Councilor) * (Number of Councilors per Ward)	(Ward Population) - (Ideal Ward Population)	(Population Deviation per Ward / (Ideal Ward Population)
4	2	5,081	6,060	-979	-16.1%
7	2	5,401	6,060	-659	-10.9%
5	2	5,817	6,060	-243	-4.0%
3	2	6,076	6,060	16	0.3%
2	2	6,106	6,060	46	0.8%
6	2	6,343	6,060	283	4.7%
1	2	7,593	6,060	1,533	25.3%
Totals:	14	42,417	Overall Plan Deviation =		
Ideal Per Councilor = 42,417 / 14		3,030	Percentage Point Spread Between Least and Most Populated Wards		41.5%

Existing Wards Sorted By 2010 Population



Ward Redistricting

When?

As soon as possible.

Ward Redistricting

Getting Started

Total Number of Councilors	Ideal Population Per Councilor	Maximum Deviation per Councilor
10	4240	424
11	3855	386
12	3535	354
13	3260	326
14	3030	303
15	2830	283
16	2650	265
Tot	al Population (2010):	42,417

City Council Size and Representation



Ward Redistricting

How:

Group Census Blocks so Each Group's Total Population is within Specific Limits

Sounds simple, doesn't it?