2023 DELAWARE COUNTY WEIGHTED VOTE RECALCULATION REPORT

Prepared for Delaware County: 4/19/2023

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Just over a half century ago, on June 15, 1964, the U.S. Supreme Court decided that the Equal Protection Clause of the 14th Amendment to the U.S. Constitution required that state legislative districts in all American states be substantially equal in population. (*Reynolds v Sims* 377 U.S. 533 (1964).[1] This landmark decision undid one key basis of the long-time rural dominance of many state governments across the nation. In New York, it overturned most redistricting standards adopted at the GOP dominated 1894 constitutional convention, famously causing Alfred E. Smith – later a celebrated Democratic Governor – to describe the legislature at a later convention as "constitutionally Republican."[2]

Four years later, the Court applied this transformative "one-man-one- vote" principle to elective legislative bodies which exercise general governmental powers at the local level, among them county Boards of Supervisors.[3] New York counties outside New York City were long governed by these Boards of Supervisors. These boards were comprised of the elected Supervisors of the counties' constituent towns. Since the state's sixty-two cities were chartered entities organized outside of and parallel to towns, this model left them unrepresented in county boards. State law therefore provided that in counties with cities the Board of Supervisor's membership be augmented with a specified number of additional board members elected from within those cities to represent their residents in county government.

Single member legislative districts were the representative structures most used at the state level. Adjusting district boundaries to achieve relative population equality among them was commonly used to meet the U.S. Supreme Court's one-man-one vote requirements. At the county level, the state's relatively few chartered counties were already empowered to alter their structures for governance by amending their charters. This allowed them, for example, to replace their county boards of supervisors with county legislatures that had adjustable districts separate from town boundaries. However, in non-charter counties, where "legislative district lines" were town boundaries establish in state law, these lines could not be changed locally without authorization by newly adopted state law. To deal with this problem, the state passed a law permitting these counties to create Legislatures to take the place of Boards and allowing the drawing of lines for legislative districts within them that did not have to track town lines. Some did so.

But in many places in the state – sometimes for partisan reasons, sometime because of tradition, sometimes because of the value ascribed to close relationships between town and county government that they nurtured, county Boards of Supervisors were vigorously defended. In these non-charter counties, referenda required to make the change to a legislative system failed in several places, sometimes multiple times. And in charter counties litigation ensued in several places to test the metes and bounds of charter-based power to make this change.

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[1]. The New York case simultaneously decided by the court was WMCA v. Lomenzo (377 U.S. 633 (1964))

[2] . See Gerald Benjamin. "The Political Relationship" in Gerald Benjamin and Charles Brecher. *The Two New Yorks: City and State in a Changing Federal System* (New York: Russell Sage Foundation, 1987) chapter 5.

[3] Avery v. Midland County (390 US 474 (1968)).

In this context, alternatives were sought that would allow retaining the town-based Board of Supervisors while complying with one-man-one-vote. Weighted voting emerged as the preferred approach to achieving this end. Over time, some counties opted to create single-member districts, often grouping towns together to form districts, but retained weighted voting as the means to achieve equal representation. The creation of these districts often had more to do with diminishing the size of the legislative body than with what would typically be considered "redistricting".

The Weighted Voting Option
In counties with constituent districts of differing populations (typically towns or groupings of towns) that employ weighted voting, each representative (supervisor/legislator) in the decision-making body (the Board of Supervisors / Legislature) has a variable share of the total vote. This share is calculated based directly or indirectly on the number people in the representative's constituency relative to the number in the entire jurisdiction being governed (the county), to assure that each individual has an equal chance to affect decisions regardless of where in the county they resided.

Why Simple Proportionality Does Not Work
Nassau County had experience with weighted voting that long anteceded its adoption elsewhere in the state to comply with one-man-one vote. That county contains three towns and two cities: Hempstead, North Hempstead, Oyster Bay, Glen Cove and Long Beach. Its 1936 charter provided for a five-member Board of Supervisors, with two selected from Hempstead and one each from the other four jurisdictions. A Total of 125 votes were allocated to board members on the basis of population, with those for Hempstead divided equally between two members. An added condition specified that, population notwithstanding, no jurisdiction could cast more than half the votes on the board. This structure was designed to prevent either a single town or a single person from the most populous town having complete control of the board. But State Supreme Court Judge William R. Geiler determined in 1968 that because Hempstead's population so far exceeded the total of the remaining four towns, the effect of the constraints on proportionality in this scheme was to leave residents of that town sufficiently underrepresented as to make it unconstitutional under the one man-one-vote standard.[4]

Near simultaneously, New York's high court, the Court of Appeals, in *Iannucci v. Board of Supervisors of Washington County,* found unconstitutional a weighted voting system in Washington County that assigning weights to the votes of board of supervisor members based simply upon the proportion of each town's population to the county's population.[5] The court relied on a now famous article in the *Rutgers Law Review,* published in 1965*,* in which John Banzhaf demonstrated that, depending upon the relative proportion of the populations of the largest and smallest town(s) to that of others in the county, the most populous town might end up with more than half the votes and become a "dictator" (the circumstance Nassau was trying to avoid when it ran afoul of one-man-one vote) while others might be left entirely powerless, characterized as "dummies."[6] To measure a representative's voting power, Banzhaf developed an index based upon the proportion of the time that his or her presence in a coalition was critical to its success. This allowed the calculation of a weight – or "voting power" -- for

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[4] *Franklin v. Mandeville*, 9294 N.Y.S.2d 141 (N.Y. Sup. Ct. 1968)
[5] *Iannucci v. Board of Supervisors* 229 N.E.2d 195 (N.Y. 1967**)**
[6] Banzhaf, "Weighted Voting Doesn't Work: A Mathematical Analysis", 19 Rutgers L. Rev. 317, 1965.

each district's representative that created the possibly of him or her participating in winning coalitions with a frequency proportional to the district's share of the county population. Writing for the court, Chief Judge Stanley Fuld accepted this standard for county boards of supervisors. He wrote: "Ideally, in any weighted voting plan, it should be mathematically possible for every member of the legislative body to cast the decisive vote on legislation in the same ratio which the population of his constituency bears to the total population…. A legislator's voting power, measured by the mathematical possibility of his casting a decisive vote, must approximate the power he would have in a legislative body which did not employ weighted voting."

How to Test a Weighted Voting System's Validity
The result of the *Iannucci* decision was that in order to comply with the equal representation standard, weighted voting systems needed to ensure that the voting power wielded each member of a legislative body needs to be proportionate to the size of the population they represent. In order to test this, we employ a normalized Banzhaf Index score. This score is derived by calculating the total number of possible voting coalitions within the legislative body, and then testing to see in how many of those combinations of legislators each individual representative would have the opportunity to cast the deciding vote. The normalized index score is essentially the critical count for each member: the number of times they could possibly cast the deciding vote in all of the possible coalitions that could be formed given the weight of their vote, divided by the total number of possible combinations of representatives (coalitions). The Banzhaf Index is typically calculated given a quota, or threshold that must be met to make a decision. For most legislators two sets of calculations must be made based on different quotas, one score for a 50%+ majority, and another for a 2/3+ supermajority.

In the 1973 *Franklin v. Krause* case in the New York State Court of Appeals, the court established a methodology and threshold to evaluate the validity of a weighted voting system utilizing the Banzhaf Power Index. The test involves calculating both the population proportion and the normalized Banzhaf Index score for each member given the weight of their vote, and determining the difference between those numbers. The difference of the two greatest differences in the system are then added together. For a weighted voting system to be legal, this figure must be less than 7.3%.

The math in the *Franklin* decision has one glaring problem. In the decision, the court used the term percentage and percentage points interchangeably, and skipped the final portion of the calculation where you would divide the difference by the ideal. In single-member redistricting the percentage deviation is calculated by dividing the difference between the district's population and the ideal population by the ideal population. In a similar test of weighted voting, the difference between the Banzhaf score and the population proportion should be divided by the population proportion to determine the percent deviation. It was initially thought that the Franklin ruling would be further resolved to correct this error through subsequent court cases, but in the 50 years since, no such rulings have been made.

Ultimately this makes meeting the standard of validity for a weighted voting system much easier.

How we arrived at weights for Delaware County

One of the problems with adjusting a weighted voting system is that the number of votes within the system is infinitely variable – there can be any number of votes greater than the number of representatives within the system. In calculating the weighted vote for Delaware County, care was taken to find a relatively low number of total votes in the system, using factors of 100, and to keep the number of weighted votes for each district a whole number. This should make calculating the result of a vote much easier, and less time consuming.

A series of weighted voting systems were created and testing with 100, 200, 300, and 500 total votes. For each of the vote totals four systems of weights were created for both 50% and two-thirds majorities and tested using the Franklin Standard. The Franklin deviations for each type of majority were totaled, and the lowest deviation system selected. This system also had the advantage of having the lowest Franklin deviation score of all systems for votes requiring a 50% majority meaning that it is the optimal system created using the above criteria for the vast majority of circumstances where it will be used, as well as the best system tested overall. The recommended voting system has a total of 200 votes within the system. The Franklin deviation score for a 50% majority is 1.21 (far below the 7.3 threshold). The Franklin deviation score for the two-thirds majority is 0.68 (also below the 7.3 threshold).

The recommended weighted voting system for Delaware County is as follows:

Town	Population	Weighted Vote
Andes	1114	5
Bovina	658	3
Colchester	1782	8
Davenport	2955	13
Delhi	4795	22
Deposit	1427	6
Franklin	2288	10
Hamden	1137	5
Hancock	2764	13
Harpersfield	1442	6
Kortright	1544	7
Masonville	1239	6
Meredith	1484	7
Middletown	3336	15
Roxbury	2247	10
Sidney	5536	25
Stamford	2000	9
Tompkins	1290	6
Walton	5270	24
TOTAL	44308	200

The calculations for the recommended weighted voting system are on the following page. All of the calculations made has been included with this report for the County to use as it sees fit.

2020 by BPI computed by population proportion (second test, max-1 and min+1 for simple from initial test, satisfactory)

	Weighted Voting System			Simple Majority				2/3 Majority			
Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepancy	Abs. Deviation	Franklin	Banzhaf	Discrepancy	Abs. Deviation	Franklin
Andes	1114	0.025142	5	2.44%	-0.08%	0.000792		2.54%	0.03%	0.000258	
Bovina	658	0.014851	3	1.45%	-0.04%	0.000371		1.53%	0.05%	0.000479	
Colchester	1782	0.040218	8	3.90%	-0.12%	0.001188		4.06%	0.04%	0.000392	
Davenport	2955	0.066692	13	6.41%	-0.26%	0.002622		6.55%	-0.12%	0.001162	
Delhi	4795	0.10822	22	11.29%	0.47%	0.00467		10.87%	0.05%	0.00051	
Deposit	1427	0.032206	6	2.92%	-0.30%	0.003036		3.04%	-0.18%	0.001766	
Franklin	2288	0.051639	10	4.89%	-0.28%	0.002769		5.06%	-0.10%	0.001039	
Hamden	1137	0.025661	5	2.44%	-0.13%	0.001311		2.54%	-0.03%	0.000261	
Hancock	2764	0.062382	13	6.41%	0.17%	0.001688		6.55%	0.31%	0.003148	
Harpersfield	1442	0.032545	6	2.92%	-0.34%	0.003375	1.21%	3.04%	-0.21%	0.002105	0.68%
Kortright	1544	0.034847	7	3.41%	-0.08%	0.000797		3.54%	0.06%	0.000583	
Masonville	1239	0.027963	6	2.92%	0.12%	0.001207		3.04%	0.25%	0.002477	
Meredith	1484	0.033493	7	3.41%	0.06%	0.000557		3.54%	0.19%	0.001937	
Middletown	3336	0.075291	15	7.44%	-0.09%	0.000931		7.54%	0.01%	0.000109	
Roxbury	2247	0.050713	10	4.89%	-0.18%	0.001843		5.06%	-0.01%	0.000113	
Sidney	5536	0.124944	25	13.11%	0.62%	0.006156		12.13%	-0.37%	0.003654	
Stamford	2000	0.045139	9	4.39%	-0.12%	0.001219		4.56%	0.05%	0.000471	
Tompkins	1290	0.029114	6	2.92%	0.01%	5.56E-05		3.04%	0.13%	0.001326	
Walton	5270	0.11894	24	12.49%	0.59%	0.00591		11.73%	-0.16%	0.0016	
TOTAL	44308	1	200		0.00%				0.00%		

(Recommend)

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		BPI computed by population proportion (initial test, satisfactory)											
1						Simple Majority					2/3 Majority		
	Town	**Population**	**Proportion**	**Weighted Vote**		**Banzhaf**	**Discrepency**	**Abs. Deviation**	**Franklin**		**Banzhaf**	**Discrepency**	**Abs. Deviation**	**Franklin**
	Andes	1114	0.025142187	2		1.939%	-0.58%	0.005752187			2.03%	-0.48%	0.004802187	
	Bovina	658	0.014850591	2		1.939%	0.45%	0.004539409			2.03%	0.55%	0.005489409	
	Colchester	1782	0.040218471	4		3.902%	-0.12%	0.001198471			4.05%	0.03%	0.000261529	
	Davenport	2955	0.066692245	7		6.929%	0.26%	0.002597755			7.04%	0.37%	0.003727755	
	Delhi	4795	0.108219735	11		11.313%	0.49%	0.004910265			10.86%	0.04%	0.000350265	
	Deposit	1427	0.032206374	3		2.919%	-0.30%	0.003016374			3.04%	-0.18%	0.001776374	
	Franklin	2288	0.05163853	5		4.896%	-0.27%	0.00267853			5.06%	-0.10%	0.00103853	
	Hamden	1137	0.02566128	3		2.919%	0.35%	0.00352872			3.04%	0.48%	0.00476872	
	Hancock	2764	0.062381511	6		5.902%	-0.34%	0.003361511			6.04%	-0.20%	0.002021511	
	Harpersfield	1442	0.032544913	3		2.919%	-0.34%	0.003354913			3.04%	-0.21%	0.002114913	
	Kortright	1544	0.03484698	4		3.902%	0.42%	0.00417302	1.23%		4.05%	0.56%	0.00563302	1.35%
	Masonville	1239	0.027963347	3		2.919%	0.12%	0.001226653			3.04%	0.25%	0.002466653	
	Meredith	1484	0.033492823	3		2.919%	-0.43%	0.004302823			3.04%	-0.31%	0.003062823	
	Middletown	3336	0.075291144	7		6.929%	-0.60%	0.006001144			7.04%	-0.49%	0.004871144	
	Roxbury	2247	0.050713189	5		4.896%	-0.18%	0.001753189			5.06%	-0.01%	0.000113189	
	Sidney	5536	0.124943577	12		12.522%	0.03%	0.000276423			11.71%	-0.78%	0.007833577	
	Stamford	2000	0.045138575	5		4.896%	0.38%	0.003821425			5.06%	0.55%	0.005461425	
	Tompkins	1290	0.029114381	3		2.919%	0.01%	7.56188E-05			3.04%	0.13%	0.001315619	
	Walton	5270	0.118940146	12		12.522%	0.63%	0.006279854			11.71%	-0.18%	0.001830146	
	TOTAL	44308	1	100			0.00%					0.00%		

		BPI computed by population proportion (second test, max-1 and min+1 for simple from initial test, satisfactory)											
2						Simple Majority					2/3 Majority		
	Town	**Population**	**Proportion**	**Weighted Vote**		**Banzhaf**	**Discrepency**	**Abs. Deviation**	**Franklin**		**Banzhaf**	**Discrepency**	**Abs. Deviation**	**Franklin**
	Andes	1114	0.025142187	2		1.94%	-0.57%	0.005702187			2.03%	-0.49%	0.004862187	
	Bovina	658	0.014850591	2		1.94%	0.46%	0.004589409			2.03%	0.54%	0.005429409	
	Colchester	1782	0.040218471	4		3.91%	-0.12%	0.001158471			4.05%	0.03%	0.000291529	
	Davenport	2955	0.066692245	7		6.94%	0.27%	0.002667755			7.04%	0.37%	0.003747755	
	Delhi	4795	0.108219735	11		11.34%	0.51%	0.005130265			10.82%	0.00%	1.02654E-05	
	Deposit	1427	0.032206374	3		2.92%	-0.30%	0.002996374			3.04%	-0.18%	0.001766374	
	Franklin	2288	0.05163853	5		4.90%	-0.26%	0.00259853			5.05%	-0.11%	0.00109853	
	Hamden	1137	0.02566128	3		2.92%	0.35%	0.00354872			3.04%	0.48%	0.00477872	
	Hancock	2764	0.062381511	6		5.91%	-0.33%	0.003271511			6.06%	-0.18%	0.001821511	
	Harpersfield	1442	0.032544913	3		2.92%	-0.33%	0.003334913			3.04%	-0.21%	0.002104913	
	Kortright	1544	0.03484698	4		3.91%	0.42%	0.00421302	1.13%		4.05%	0.57%	0.00566302	1.91%
	Masonville	1239	0.027963347	3		2.92%	0.12%	0.001246653			3.04%	0.25%	0.002476653	
	Meredith	1484	0.033492823	3		2.92%	-0.43%	0.004282823			3.04%	-0.31%	0.003052823	
	Middletown	3336	0.075291144	8		7.99%	0.46%	0.004578856			8.02%	0.49%	0.004908856	
	Roxbury	2247	0.050713189	5		4.90%	-0.17%	0.001673189			5.05%	-0.02%	0.000173189	
	Sidney	5536	0.124943577	12		12.56%	0.06%	0.000626423			11.66%	-0.84%	0.008393577	
	Stamford	2000	0.045138575	5		4.90%	0.39%	0.003901425			5.05%	0.54%	0.005401425	
	Tompkins	1290	0.029114381	3		2.92%	0.01%	9.56188E-05			3.04%	0.13%	0.001325619	
	Walton	5270	0.118940146	11		11.34%	-0.56%	0.005590146			10.82%	-1.07%	0.010710146	
	TOTAL	44308	1	100			0.00%					0.00%		

3	BPI computed by population proportion (third test, max-1, max-1 and min+1, min+1 for 2/3 from second test, satisfactory)												
					Simple Majority					2/3 Majority			
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin		Banzhaf	Discrepency	Abs. Deviation	Franklin
	Andes	1114	0.025142187	2	1.94%	-0.58%	0.005762187			2.03%	-0.49%	0.004862187	
	Bovina	658	0.014850591	2	1.94%	0.45%	0.004529409			2.03%	0.54%	0.005429409	
	Colchester	1782	0.040218471	4	3.90%	-0.12%	0.001238471			4.04%	0.02%	0.000171529	
	Davenport	2955	0.066692245	7	6.91%	0.24%	0.002427755			7.05%	0.38%	0.003767755	
	Delhi	4795	0.108219735	11	11.26%	0.44%	0.004370265			10.92%	0.10%	0.001000265	
	Deposit	1427	0.032206374	3	2.91%	-0.31%	0.003076374			3.04%	-0.18%	0.001806374	
	Franklin	2288	0.05163853	5	4.89%	-0.28%	0.00278853			5.06%	-0.10%	0.00104853	
	Hamden	1137	0.02566128	3	2.91%	0.35%	0.00346872			3.04%	0.47%	0.00473872	
	Hancock	2764	0.062381511	6	5.89%	-0.35%	0.003481511			6.06%	-0.18%	0.001761511	
	Harpersfield	1442	0.032544913	3	2.91%	-0.34%	0.003414913			3.04%	-0.21%	0.002144913	
	Kortright	1544	0.03484698	3	2.91%	-0.57%	0.00571698	1.84%		3.04%	-0.44%	0.00444698	1.05%
	Masonville	1239	0.027963347	3	2.91%	0.12%	0.001166653			3.04%	0.24%	0.002436653	
	Meredith	1484	0.033492823	3	2.91%	-0.44%	0.004362823			3.04%	-0.31%	0.003092823	
	Middletown	3336	0.075291144	8	7.95%	0.42%	0.004168856			8.04%	0.51%	0.005088856	
	Roxbury	2247	0.050713189	5	4.89%	-0.19%	0.001863189			5.06%	-0.01%	0.000123189	
	Sidney	5536	0.124943577	13	13.72%	1.22%	0.012236423			12.60%	0.10%	0.001026423	
	Stamford	2000	0.045138575	4	3.90%	-0.62%	0.006158575			4.04%	-0.47%	0.004748575	
	Tompkins	1290	0.029114381	3	2.91%	0.00%	1.56188E-05			3.04%	0.13%	0.001285619	
	Walton	5270	0.118940146	12	12.45%	0.55%	0.005509854			11.80%	-0.09%	0.000940146	
	TOTAL	44308	1	100		0.00%					0.00%		
4	BPI computed by population proportion (fourth test, max-1 and min+1 for simple from third test, satisfactory)												
					Simple Majority					2/3 Majority			
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin		Banzhaf	Discrepency	Abs. Deviation	Franklin
Recommend	Andes	1114	0.025142187	3	2.92%	0.40%	0.004027813			3.04%	0.53%	0.005267813	
	Bovina	658	0.014850591	2	1.93%	0.44%	0.004429409			2.06%	0.58%	0.005769409	
	Colchester	1782	0.040218471	4	3.91%	-0.11%	0.001118471			4.02%	0.00%	2.15293E-05	
	Davenport	2955	0.066692245	7	6.94%	0.27%	0.002697755			7.03%	0.36%	0.003627755	
	Delhi	4795	0.108219735	11	11.30%	0.48%	0.004770265			10.88%	0.06%	0.000560265	
	Deposit	1427	0.032206374	3	2.92%	-0.30%	0.003036374			3.04%	-0.18%	0.001796374	
	Franklin	2288	0.05163853	5	4.89%	-0.27%	0.00270853			5.07%	-0.10%	0.00098853	
	Hamden	1137	0.02566128	3	2.92%	0.35%	0.00350872			3.04%	0.47%	0.00474872	
	Hancock	2764	0.062381511	6	5.90%	-0.34%	0.003371511			6.07%	-0.17%	0.001721511	
	Harpersfield	1442	0.032544913	3	2.92%	-0.34%	0.003374913	1.22%		3.04%	-0.21%	0.002134913	1.36%
	Kortright	1544	0.03484698	3	2.92%	-0.57%	0.00567698			3.04%	-0.44%	0.00443698	
	Masonville	1239	0.027963347	3	2.92%	0.12%	0.001206653			3.04%	0.24%	0.002446653	
	Meredith	1484	0.033492823	3	2.92%	-0.43%	0.004322823			3.04%	-0.31%	0.003082823	
	Middletown	3336	0.075291144	8	7.97%	0.44%	0.004358856			8.04%	0.51%	0.005078856	
	Roxbury	2247	0.050713189	5	4.89%	-0.18%	0.001783189			5.07%	-0.01%	6.31895E-05	
	Sidney	5536	0.124943577	12	12.51%	0.02%	0.000186423			11.71%	-0.79%	0.007863577	
	Stamford	2000	0.045138575	4	3.91%	-0.60%	0.006038575			4.02%	-0.49%	0.004898575	
	Tompkins	1290	0.029114381	3	2.92%	0.01%	5.56188E-05			3.04%	0.13%	0.001295619	
	Walton	5270	0.118940146	12	12.51%	0.62%	0.006189854			11.71%	-0.19%	0.001860146	
	TOTAL	44308	1	100		0.00%					0.00%		

1	BPI computed by population proportion (initial test, satisfactory)												
					Simple Majority					2/3 Majority			
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin		Banzhaf	Discrepency	Abs. Deviation	Franklin
	Andes	1114	0.025142187	5	2.425%	-0.09%	0.000892187			2.54%	0.02%	0.000217813	
	Bovina	658	0.014850591	3	1.452%	-0.03%	0.000330591			1.52%	0.04%	0.000359409	
	Colchester	1782	0.040218471	8	3.897%	-0.12%	0.001248471			4.05%	0.03%	0.000321529	
	Davenport	2955	0.066692245	13	6.400%	-0.27%	0.002692245			6.56%	-0.11%	0.001092245	
	Delhi	4795	0.108219735	22	11.272%	0.45%	0.004500265			10.90%	0.08%	0.000820265	
	Deposit	1427	0.032206374	6	2.913%	-0.31%	0.003076374			3.04%	-0.18%	0.001766374	
	Franklin	2288	0.05163853	10	4.888%	-0.28%	0.00275853			5.06%	-0.10%	0.00101853	
	Hamden	1137	0.02566128	5	2.425%	-0.14%	0.00141128			2.54%	-0.03%	0.00030128	
	Hancock	2764	0.062381511	12	5.892%	-0.35%	0.003461511			6.06%	-0.18%	0.001751511	
	Harpersfield	1442	0.032544913	6	2.913%	-0.34%	0.003414913			3.04%	-0.21%	0.002104913	
	Kortright	1544	0.03484698	7	3.403%	-0.08%	0.00081698	1.80%		3.55%	0.07%	0.00066302	0.46%
	Masonville	1239	0.027963347	6	2.913%	0.12%	0.001166653			3.04%	0.25%	0.002476653	
	Meredith	1484	0.033492823	7	3.403%	0.05%	0.000537177			3.55%	0.20%	0.002017177	
	Middletown	3336	0.075291144	15	7.425%	-0.10%	0.001041144			7.54%	0.01%	0.000128856	
	Roxbury	2247	0.050713189	10	4.888%	-0.18%	0.001833189			5.06%	-0.01%	9.31895E-05	
	Sidney	5536	0.124943577	26	13.728%	1.23%	0.012336423			12.55%	0.06%	0.000556423	
	Stamford	2000	0.045138575	9	4.390%	-0.12%	0.001238575			4.56%	0.04%	0.000431425	
	Tompkins	1290	0.029114381	6	2.913%	0.00%	1.56188E-05			3.04%	0.13%	0.001325619	
	Walton	5270	0.118940146	24	12.458%	0.56%	0.005639854			11.77%	-0.12%	0.001200146	
	TOTAL	44308	1	200		0.00%					0.00%		
2	BPI computed by population proportion (second test, max-1 and min+1 for simple from initial test, satisfactory)												
					Simple Majority					2/3 Majority			
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin		Banzhaf	Discrepency	Abs. Deviation	Franklin
	Andes	1114	0.025142187	5	2.44%	-0.08%	0.000792187			2.54%	0.03%	0.000257813	
	Bovina	658	0.014850591	3	1.45%	-0.04%	0.000370591			1.53%	0.05%	0.000479409	
	Colchester	1782	0.040218471	8	3.90%	-0.12%	0.001188471			4.06%	0.04%	0.000391529	
	Davenport	2955	0.066692245	13	6.41%	-0.26%	0.002622245			6.55%	-0.12%	0.001162245	
	Delhi	4795	0.108219735	22	11.29%	0.47%	0.004670265			10.87%	0.05%	0.000510265	
	Deposit	1427	0.032206374	6	2.92%	-0.30%	0.003036374			3.04%	-0.18%	0.001766374	
	Franklin	2288	0.05163853	10	4.89%	-0.28%	0.00276853			5.06%	-0.10%	0.00103853	
	Hamden	1137	0.02566128	5	2.44%	-0.13%	0.00131128			2.54%	-0.03%	0.00026128	
Recommend	Hancock	2764	0.062381511	13	6.41%	0.17%	0.001688489			6.55%	0.31%	0.003148489	
	Harpersfield	1442	0.032544913	6	2.92%	-0.34%	0.003374913			3.04%	-0.21%	0.002104913	
	Kortright	1544	0.03484698	7	3.41%	-0.08%	0.00079698	1.21%		3.54%	0.06%	0.00058302	0.68%
	Masonville	1239	0.027963347	6	2.92%	0.12%	0.001206653			3.04%	0.25%	0.002476653	
	Meredith	1484	0.033492823	7	3.41%	0.06%	0.000557177			3.54%	0.19%	0.001937177	
	Middletown	3336	0.075291144	15	7.44%	-0.09%	0.000931144			7.54%	0.01%	0.000108856	
	Roxbury	2247	0.050713189	10	4.89%	-0.18%	0.001843189			5.06%	-0.01%	0.000113189	
	Sidney	5536	0.124943577	25	13.11%	0.62%	0.006156423			12.13%	-0.37%	0.003653577	
	Stamford	2000	0.045138575	9	4.39%	-0.12%	0.001218575			4.56%	0.05%	0.000471425	
	Tompkins	1290	0.029114381	6	2.92%	0.01%	5.56188E-05			3.04%	0.13%	0.001325619	
	Walton	5270	0.118940146	24	12.49%	0.59%	0.005909854			11.73%	-0.16%	0.001600146	
	TOTAL	44308	1	200		0.00%					0.00%		

3	BPI computed by population proportion (third test, max-1, max-1 and min+1, min+1 for 2/3 from second test, satisfactory)											
					Simple Majority				2/3 Majority			
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin	Banzhaf	Discrepency	Abs. Deviation	Franklin
	Andes	1114	0.025142187	5	2.43%	-0.09%	0.000892187		2.54%	0.02%	0.000227813	
	Bovina	658	0.014850591	3	1.45%	-0.03%	0.000330591		1.52%	0.04%	0.000359409	
	Colchester	1782	0.040218471	8	3.90%	-0.13%	0.001258471		4.06%	0.03%	0.000331529	
	Davenport	2955	0.066692245	13	6.40%	-0.27%	0.002702245		6.56%	-0.11%	0.001102245	
	Delhi	4795	0.108219735	22	11.27%	0.45%	0.004500265		10.90%	0.08%	0.000810265	
	Deposit	1427	0.032206374	6	2.91%	-0.31%	0.003076374		3.04%	-0.18%	0.001766374	
	Franklin	2288	0.05163853	10	4.89%	-0.28%	0.00276853		5.06%	-0.10%	0.00101853	
	Hamden	1137	0.02566128	5	2.43%	-0.14%	0.00141128		2.54%	-0.03%	0.00029128	
	Hancock	2764	0.062381511	12	5.89%	-0.35%	0.003461511		6.06%	-0.18%	0.001751511	
	Harpersfield	1442	0.032544913	7	3.40%	0.15%	0.001485087		3.55%	0.30%	0.002955087	
	Kortright	1544	0.03484698	7	3.40%	-0.08%	0.00081698	1.80%	3.55%	0.07%	0.00065302	0.55%
	Masonville	1239	0.027963347	5	2.43%	-0.37%	0.003713347		2.54%	-0.26%	0.002593347	
	Meredith	1484	0.033492823	7	3.40%	0.05%	0.000537177		3.55%	0.20%	0.002007177	
	Middletown	3336	0.075291144	15	7.43%	-0.10%	0.001041144		7.54%	0.01%	0.000138856	
	Roxbury	2247	0.050713189	10	4.89%	-0.18%	0.001843189		5.06%	-0.01%	9.31895E-05	
	Sidney	5536	0.124943577	26	13.73%	1.24%	0.012366423		12.55%	0.06%	0.000566423	
	Stamford	2000	0.045138575	9	4.39%	-0.12%	0.001238575		4.56%	0.05%	0.000461425	
	Tompkins	1290	0.029114381	6	2.91%	0.00%	1.56188E-05		3.04%	0.13%	0.001325619	
	Walton	5270	0.118940146	24	12.46%	0.56%	0.005629854		11.78%	-0.12%	0.001190146	
	TOTAL	44308	1	200		0.00%				0.00%		
4	BPI computed by population proportion (fourth test, max-1 and min+1 for simple from third test, satisfactory)											
					Simple Majority				2/3 Majority			
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin	Banzhaf	Discrepency	Abs. Deviation	Franklin
	Andes	1114	0.025142187	5	2.43%	-0.09%	0.000852187		2.54%	0.02%	0.000237813	
	Bovina	658	0.014850591	3	1.45%	-0.03%	0.000340591		1.54%	0.05%	0.000499409	
	Colchester	1782	0.040218471	8	3.90%	-0.12%	0.001238471		4.07%	0.04%	0.000431529	
	Davenport	2955	0.066692245	13	6.41%	-0.26%	0.002642245		6.57%	-0.10%	0.001042245	
	Delhi	4795	0.108219735	22	11.30%	0.47%	0.004730265		10.87%	0.05%	0.000470265	
	Deposit	1427	0.032206374	7	3.41%	0.19%	0.001863626		3.54%	0.32%	0.003223626	
	Franklin	2288	0.05163853	10	4.89%	-0.27%	0.00272853		5.06%	-0.10%	0.00099853	
	Hamden	1137	0.02566128	5	2.43%	-0.14%	0.00137128		2.54%	-0.03%	0.00028128	
	Hancock	2764	0.062381511	12	5.90%	-0.34%	0.003361511		6.05%	-0.18%	0.001841511	
	Harpersfield	1442	0.032544913	7	3.41%	0.15%	0.001525087		3.54%	0.29%	0.002885087	
	Kortright	1544	0.03484698	7	3.41%	-0.08%	0.00077698	1.22%	3.54%	0.06%	0.00058302	0.69%
	Masonville	1239	0.027963347	5	2.43%	-0.37%	0.003673347		2.54%	-0.26%	0.002583347	
	Meredith	1484	0.033492823	7	3.41%	0.06%	0.000577177		3.54%	0.19%	0.001937177	
	Middletown	3336	0.075291144	15	7.44%	-0.09%	0.000931144		7.54%	0.01%	0.000128856	
	Roxbury	2247	0.050713189	10	4.89%	-0.18%	0.001803189		5.06%	-0.01%	7.31895E-05	
	Sidney	5536	0.124943577	25	13.12%	0.62%	0.006246423		12.13%	-0.37%	0.003673577	
	Stamford	2000	0.045138575	9	4.40%	-0.12%	0.001158575		4.54%	0.02%	0.000221425	
	Tompkins	1290	0.029114381	6	2.91%	-0.01%	6.43812E-05		3.08%	0.17%	0.001665619	
	Walton	5270	0.118940146	24	12.49%	0.60%	0.005999854		11.71%	-0.18%	0.001810146	
	TOTAL	44308	1	200		0.00%				0.00%		

1	BPI computed by population proportion (initial test, satisfactory)											
					Simple Majority					2/3 Majority		
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin		Banzhaf	Discrepency	Abs. Deviation	Franklin
	Andes	1114	0.025142187	7	2.274%	-0.24%	0.002402187			2.37%	-0.14%	0.001402187	
	Bovina	658	0.014850591	4	1.290%	-0.20%	0.001950591			1.36%	-0.13%	0.001270591	
	Colchester	1782	0.040218471	12	3.899%	-0.12%	0.001228471			4.06%	0.04%	0.000361529	
	Davenport	2955	0.066692245	20	6.577%	-0.09%	0.000922245			6.72%	0.05%	0.000487755	
	Delhi	4795	0.108219735	32	10.901%	0.08%	0.000790265			10.57%	-0.25%	0.002499735	
	Deposit	1427	0.032206374	10	3.243%	0.02%	0.000223626			3.38%	0.16%	0.001613626	
	Franklin	2288	0.05163853	15	4.890%	-0.27%	0.00273853			5.07%	-0.10%	0.00097853	
	Hamden	1137	0.02566128	8	2.592%	0.03%	0.00025872			2.71%	0.14%	0.00139872	
	Hancock	2764	0.062381511	19	6.239%	0.00%	8.48876E-06			6.39%	0.16%	0.001558489	
	Harpersfield	1442	0.032544913	10	3.243%	-0.01%	0.000114913			3.38%	0.13%	0.001275087	
	Kortright	1544	0.03484698	10	3.243%	-0.24%	0.00241698	1.41%		3.38%	-0.10%	0.00102698	0.50%
	Masonville	1239	0.027963347	8	2.592%	-0.20%	0.002043347			2.71%	-0.09%	0.000903347	
	Meredith	1484	0.033492823	10	3.243%	-0.11%	0.001062823			3.38%	0.03%	0.000327177	
	Middletown	3336	0.075291144	23	7.608%	0.08%	0.000788856			7.70%	0.17%	0.001728856	
	Roxbury	2247	0.050713189	15	4.890%	-0.18%	0.001813189			5.07%	-0.01%	5.31895E-05	
	Sidney	5536	0.124943577	38	13.323%	0.83%	0.008286423			12.25%	-0.25%	0.002483577	
	Stamford	2000	0.045138575	14	4.558%	0.04%	0.000441425			4.73%	0.22%	0.002161425	
	Tompkins	1290	0.029114381	9	2.916%	0.00%	4.56188E-05			3.05%	0.13%	0.001335619	
	Walton	5270	0.118940146	36	12.479%	0.58%	0.005849854			11.73%	-0.17%	0.001660146	
	TOTAL	44308	1	300		0.00%					0.00%		
2	BPI computed by population proportion (second test, max-1 and min+1 for simple from initial test, satisfactory)											
					Simple Majority					2/3 Majority		
	Town	Population	Proportion	Weighted Vote	Banzhaf	Discrepency	Abs. Deviation	Franklin		Banzhaf	Discrepency	Abs. Deviation	Franklin
	Andes	1114	0.025142187	7	2.27%	-0.24%	0.002442187			2.37%	-0.15%	0.001472187	
	Bovina	658	0.014850591	4	1.29%	-0.19%	0.001930591			1.36%	-0.13%	0.001250591	
	Colchester	1782	0.040218471	12	3.90%	-0.12%	0.001198471			4.06%	0.04%	0.000351529	
	Davenport	2955	0.066692245	20	6.58%	-0.09%	0.000862245			6.72%	0.05%	0.000547755	
	Delhi	4795	0.108219735	32	10.91%	0.09%	0.000910265			10.56%	-0.27%	0.002659735	
	Deposit	1427	0.032206374	10	3.25%	0.02%	0.000243626			3.38%	0.16%	0.001623626	
	Franklin	2288	0.05163853	16	5.23%	0.06%	0.00061147			5.40%	0.23%	0.00234147	
	Hamden	1137	0.02566128	8	2.59%	0.03%	0.00025872			2.71%	0.14%	0.00140872	
	Hancock	2764	0.062381511	19	6.24%	0.00%	4.84888E-05			6.39%	0.15%	0.001538489	
	Harpersfield	1442	0.032544913	10	3.25%	-0.01%	9.49129E-05			3.38%	0.13%	0.001285087	
	Kortright	1544	0.03484698	10	3.25%	-0.24%	0.00239698	1.03%		3.38%	-0.10%	0.00101698	0.80%
	Masonville	1239	0.027963347	8	2.59%	-0.20%	0.002043347			2.71%	-0.09%	0.000893347	
	Meredith	1484	0.033492823	10	3.25%	-0.10%	0.001042823			3.38%	0.03%	0.000337177	
	Middletown	3336	0.075291144	23	7.62%	0.09%	0.000858856			7.70%	0.17%	0.001738856	
	Roxbury	2247	0.050713189	15	4.89%	-0.18%	0.001773189			5.07%	-0.01%	6.31895E-05	
	Sidney	5536	0.124943577	37	12.92%	0.43%	0.004256423			11.96%	-0.53%	0.005323577	
	Stamford	2000	0.045138575	14	4.56%	0.05%	0.000461425			4.73%	0.22%	0.002151425	
	Tompkins	1290	0.029114381	9	2.92%	0.01%	6.56188E-05			3.04%	0.13%	0.001325619	
	Walton	5270	0.118940146	36	12.50%	0.61%	0.006059854			11.70%	-0.20%	0.001970146	
	TOTAL	44308	1	300		0.00%					0.00%		

3 — BPI computed by population proportion (third test, max-2 and min+1, min+1 for 2/3 from second test, satisfactory)

Town	Population	Proportion	Weighted Vote	Simple Majority Banzhaf	Discrepency	Abs. Deviation	Franklin	2/3 Majority Banzhaf	Discrepency	Abs. Deviation	Franklin
Andes	1114	0.025142187	7	2.27%	-0.24%	0.002442187		2.37%	-0.15%	0.001482187	
Bovina	658	0.014850591	4	1.29%	-0.19%	0.001940591		1.36%	-0.13%	0.001250591	
Colchester	1782	0.040218471	12	3.90%	-0.12%	0.001208471		4.05%	0.03%	0.000321529	
Davenport	2955	0.066692245	20	6.58%	-0.09%	0.000872245		6.72%	0.05%	0.000497755	
Delhi	4795	0.108219735	32	10.91%	0.09%	0.000860265		10.56%	-0.26%	0.002629735	
Deposit	1427	0.032206374	10	3.25%	0.03%	0.000253626		3.39%	0.16%	0.001643626	
Franklin	2288	0.05163853	15	4.89%	-0.27%	0.00271853		5.07%	-0.10%	0.00095853	
Hamden	1137	0.02566128	8	2.59%	0.03%	0.00026872		2.71%	0.14%	0.00138872	
Hancock	2764	0.062381511	19	6.24%	0.00%	4.84888E-05		6.39%	0.15%	0.001538489	
Harpersfield	1442	0.032544913	10	3.25%	-0.01%	8.49129E-05		3.39%	0.13%	0.001305087	
Kortright	1544	0.03484698	11	3.57%	0.09%	0.00087302	1.12%	3.72%	0.24%	0.00237302	0.74%
Masonville	1239	0.027963347	8	2.59%	-0.20%	0.002033347		2.71%	-0.09%	0.000913347	
Meredith	1484	0.033492823	10	3.25%	-0.10%	0.001032823		3.39%	0.04%	0.000357177	
Middletown	3336	0.075291144	23	7.62%	0.09%	0.000858856		7.71%	0.18%	0.001768856	
Roxbury	2247	0.050713189	15	4.89%	-0.18%	0.001793189		5.07%	0.00%	3.31895E-05	
Sidney	5536	0.124943577	38	13.34%	0.85%	0.008496423		12.22%	-0.28%	0.002753577	
Stamford	2000	0.045138575	14	4.56%	0.05%	0.000471425		4.73%	0.22%	0.002191425	
Tompkins	1290	0.029114381	9	2.92%	0.01%	5.56188E-05		3.04%	0.13%	0.001305619	
Walton	5270	0.118940146	35	12.09%	0.19%	0.001929854		11.43%	-0.47%	0.004660146	
TOTAL	44308	1	300		0.00%				0.00%		

4 — Recommend — BPI computed by population proportion (fourth test, max-1 and min+1 for simple from third test, satisfactory)

Town	Population	Proportion	Weighted Vote	Simple Majority Banzhaf	Discrepency	Abs. Deviation	Franklin	2/3 Majority Banzhaf	Discrepency	Abs. Deviation	Franklin
Andes	1114	0.025142187	8	2.60%	0.08%	0.000837813		2.71%	0.19%	0.001907813	
Bovina	658	0.014850591	4	1.29%	-0.19%	0.001930591		1.37%	-0.12%	0.001170591	
Colchester	1782	0.040218471	12	3.91%	-0.12%	0.001158471		4.06%	0.04%	0.000371529	
Davenport	2955	0.066692245	20	6.60%	-0.07%	0.000742245		6.72%	0.05%	0.000507755	
Delhi	4795	0.108219735	32	10.94%	0.12%	0.001160265		10.52%	-0.30%	0.002989735	
Deposit	1427	0.032206374	10	3.25%	0.03%	0.000273626		3.38%	0.16%	0.001593626	
Franklin	2288	0.05163853	16	5.22%	0.06%	0.00058147		5.42%	0.26%	0.00258147	
Hamden	1137	0.02566128	8	2.60%	0.03%	0.00031872		2.71%	0.14%	0.00138872	
Hancock	2764	0.062381511	19	6.26%	0.02%	0.000168489		6.39%	0.15%	0.001478489	
Harpersfield	1442	0.032544913	10	3.25%	-0.01%	6.49129E-05		3.38%	0.13%	0.001255087	
Kortright	1544	0.03484698	11	3.58%	0.09%	0.00092302	0.43%	3.72%	0.24%	0.00235302	1.37%
Masonville	1239	0.027963347	8	2.60%	-0.20%	0.001983347		2.71%	-0.09%	0.000913347	
Meredith	1484	0.033492823	10	3.25%	-0.10%	0.001012823		3.38%	0.03%	0.000307177	
Middletown	3336	0.075291144	23	7.63%	0.10%	0.000988856		7.70%	0.17%	0.001708856	
Roxbury	2247	0.050713189	15	4.90%	-0.18%	0.001753189		5.07%	0.00%	3.31895E-05	
Sidney	5536	0.124943577	36	12.54%	0.05%	0.000476423		11.64%	-0.85%	0.008523577	
Stamford	2000	0.045138575	14	4.56%	0.05%	0.000491425		4.73%	0.22%	0.002161425	
Tompkins	1290	0.029114381	9	2.92%	0.01%	0.000115619		3.04%	0.13%	0.001315619	
Walton	5270	0.118940146	35	12.13%	0.23%	0.002339854		11.38%	-0.52%	0.005190146	
TOTAL	44308	1	300		0.00%				0.01%		

1 — BPI computed by population proportion (initial test, satisfactory)

Town	Population	Proportion	Weighted Vote	Simple Majority				2/3 Majority			
				Banzhaf	Discrepency	Abs. Deviation	Franklin	Banzhaf	Discrepency	Abs. Deviation	Franklin
Andes	1114	0.025142187	13	2.53%	0.01%	0.000147813		2.64%	0.13%	0.001257813	
Bovina	658	0.014850591	7	1.36%	-0.13%	0.001290591		1.43%	-0.06%	0.000600591	
Colchester	1782	0.040218471	20	3.90%	-0.12%	0.001198471		4.07%	0.04%	0.000431529	
Davenport	2955	0.066692245	33	6.51%	-0.16%	0.001582245		6.65%	-0.02%	0.000172245	
Delhi	4795	0.108219735	54	11.06%	0.24%	0.002420265		10.69%	-0.13%	0.001329735	
Deposit	1427	0.032206374	16	3.11%	-0.11%	0.001076374		3.24%	0.02%	0.000233626	
Franklin	2288	0.05163853	26	5.09%	-0.08%	0.00077853		5.26%	0.09%	0.00093147	
Hamden	1137	0.02566128	13	2.53%	-0.04%	0.00037128		2.64%	0.07%	0.00073872	
Hancock	2764	0.062381511	31	6.11%	-0.13%	0.001311511		6.26%	0.02%	0.000208489	
Harpersfield	1442	0.032544913	16	3.11%	-0.14%	0.001414913		3.24%	-0.01%	0.000104913	
Kortright	1544	0.03484698	17	3.31%	-0.18%	0.00176698	1.12%	3.45%	-0.04%	0.00038698	0.64%
Masonville	1239	0.027963347	14	2.73%	-0.07%	0.000713347		2.84%	0.05%	0.000456653	
Meredith	1484	0.033492823	17	3.31%	-0.04%	0.000412823		3.45%	0.10%	0.000967177	
Middletown	3336	0.075291144	38	7.54%	0.01%	0.000148856		7.64%	0.11%	0.001108856	
Roxbury	2247	0.050713189	25	4.89%	-0.18%	0.001813189		5.06%	-0.01%	0.000103189	
Sidney	5536	0.124943577	63	13.25%	0.76%	0.007596423		12.19%	-0.30%	0.003003577	
Stamford	2000	0.045138575	23	4.49%	-0.02%	0.000228575		4.66%	0.14%	0.001431425	
Tompkins	1290	0.029114381	15	2.92%	0.01%	7.56188E-05		3.04%	0.13%	0.001305619	
Walton	5270	0.118940146	59	12.25%	0.36%	0.003579854		11.56%	-0.34%	0.003390146	
TOTAL	44308	1	500		0.00%				0.00%		

2 — Recommend — BPI computed by population proportion (second test, max-1 and min+1 for simple from initial test, satisfactory)

Town	Population	Proportion	Weighted Vote	Simple Majority				2/3 Majority			
				Banzhaf	Discrepency	Abs. Deviation	Franklin	Banzhaf	Discrepency	Abs. Deviation	Franklin
Andes	1114	0.025142187	13	2.53%	0.02%	0.000167813		2.64%	0.12%	0.001237813	
Bovina	658	0.014850591	7	1.36%	-0.13%	0.001290591		1.43%	-0.06%	0.000590591	
Colchester	1782	0.040218471	20	3.90%	-0.12%	0.001178471		4.06%	0.04%	0.000381529	
Davenport	2955	0.066692245	33	6.52%	-0.15%	0.001542245		6.65%	-0.02%	0.000202245	
Delhi	4795	0.108219735	54	11.07%	0.25%	0.002500265		10.68%	-0.14%	0.001449735	
Deposit	1427	0.032206374	16	3.11%	-0.11%	0.001066374		3.25%	0.03%	0.000253626	
Franklin	2288	0.05163853	26	5.09%	-0.08%	0.00076853		5.26%	0.10%	0.00098147	
Hamden	1137	0.02566128	13	2.53%	-0.04%	0.00035128		2.64%	0.07%	0.00071872	
Hancock	2764	0.062381511	31	6.11%	-0.13%	0.001271511		6.26%	0.02%	0.000188489	
Harpersfield	1442	0.032544913	16	3.11%	-0.14%	0.001404913		3.25%	-0.01%	8.49129E-05	
Kortright	1544	0.03484698	18	3.51%	0.02%	0.00020302	0.89%	3.65%	0.16%	0.00164302	0.83%
Masonville	1239	0.027963347	14	2.72%	-0.08%	0.000773347		2.86%	0.06%	0.000586653	
Meredith	1484	0.033492823	17	3.31%	-0.04%	0.000372823		3.44%	0.09%	0.000907177	
Middletown	3336	0.075291144	38	7.55%	0.02%	0.000188856		7.64%	0.11%	0.001068856	
Roxbury	2247	0.050713189	25	4.89%	-0.18%	0.001793189		5.06%	-0.01%	9.31895E-05	
Sidney	5536	0.124943577	62	13.01%	0.52%	0.005176423		12.02%	-0.47%	0.004743577	
Stamford	2000	0.045138575	23	4.49%	-0.02%	0.000208575		4.66%	0.15%	0.001451425	
Tompkins	1290	0.029114381	15	2.92%	0.01%	7.56188E-05		3.04%	0.13%	0.001325619	
Walton	5270	0.118940146	59	12.26%	0.37%	0.003689854		11.54%	-0.36%	0.003570146	
TOTAL	44308	1	500		0.00%				0.00%		

3 — BPI computed by population proportion (third test, max-1 and min+1 for 2/3 from second test, satisfactory)

Town	Population	Proportion	Weighted Vote	Simple Majority				2/3 Majority			
				Banzhaf	Discrepency	Abs. Deviation	Franklin	Banzhaf	Discrepency	Abs. Deviation	Franklin
Andes	1114	0.025142187	13	2.53%	0.01%	0.000137813		2.64%	0.12%	0.001247813	
Bovina	658	0.014850591	7	1.35%	-0.13%	0.001310591		1.43%	-0.06%	0.000560591	
Colchester	1782	0.040218471	20	3.90%	-0.12%	0.001208471		4.06%	0.04%	0.000401529	
Davenport	2955	0.066692245	33	6.51%	-0.16%	0.001572245		6.66%	-0.01%	0.000132245	
Delhi	4795	0.108219735	54	11.07%	0.24%	0.002430265		10.69%	-0.13%	0.001309735	
Deposit	1427	0.032206374	16	3.11%	-0.11%	0.001066374		3.25%	0.02%	0.000243626	
Franklin	2288	0.05163853	26	5.09%	-0.08%	0.00076853		5.26%	0.10%	0.00097147	
Hamden	1137	0.02566128	13	2.53%	-0.04%	0.00038128		2.64%	0.07%	0.00072872	
Hancock	2764	0.062381511	31	6.11%	-0.13%	0.001331511		6.25%	0.01%	0.000138489	
Harpersfield	1442	0.032544913	16	3.11%	-0.14%	0.001404913		3.25%	-0.01%	9.49129E-05	
Kortright	1544	0.03484698	18	3.50%	0.02%	0.00018302	1.12%	3.65%	0.16%	0.00161302	0.64%
Masonville	1239	0.027963347	14	2.72%	-0.07%	0.000733347		2.84%	0.04%	0.000436653	
Meredith	1484	0.033492823	17	3.31%	-0.04%	0.000412823		3.45%	0.10%	0.000987177	
Middletown	3336	0.075291144	38	7.54%	0.01%	0.000138856		7.64%	0.11%	0.001088856	
Roxbury	2247	0.050713189	25	4.89%	-0.18%	0.001803189		5.06%	-0.01%	9.31895E-05	
Sidney	5536	0.124943577	63	13.25%	0.76%	0.007596423		12.19%	-0.30%	0.003013577	
Stamford	2000	0.045138575	22	4.29%	-0.22%	0.002198575		4.46%	-0.06%	0.000558575	
Tompkins	1290	0.029114381	15	2.92%	0.01%	0.000115619		3.04%	0.13%	0.001325619	
Walton	5270	0.118940146	59	12.25%	0.36%	0.003579854		11.55%	-0.34%	0.003410146	
TOTAL	44308	1	500		0.00%				0.00%		

4 — BPI computed by population proportion (fourth test, max-1 and min+1 for simple from third test, satisfactory)

Town	Population	Proportion	Weighted Vote	Simple Majority				2/3 Majority			
				Banzhaf	Discrepency	Abs. Deviation	Franklin	Banzhaf	Discrepency	Abs. Deviation	Franklin
Andes	1114	0.025142187	13	2.53%	0.01%	0.000137813		2.64%	0.13%	0.001257813	
Bovina	658	0.014850591	7	1.36%	-0.13%	0.001290591		1.43%	-0.06%	0.000590591	
Colchester	1782	0.040218471	20	3.90%	-0.13%	0.001268471		4.07%	0.05%	0.000461529	
Davenport	2955	0.066692245	33	6.52%	-0.15%	0.001532245		6.65%	-0.02%	0.000152245	
Delhi	4795	0.108219735	54	11.07%	0.25%	0.002470265		10.68%	-0.15%	0.001459735	
Deposit	1427	0.032206374	16	3.11%	-0.11%	0.001066374		3.24%	0.02%	0.000223626	
Franklin	2288	0.05163853	26	5.09%	-0.07%	0.00071853		5.27%	0.10%	0.00102147	
Hamden	1137	0.02566128	13	2.53%	-0.04%	0.00038128		2.64%	0.07%	0.00073872	
Hancock	2764	0.062381511	31	6.11%	-0.13%	0.001291511		6.26%	0.02%	0.000178489	
Harpersfield	1442	0.032544913	16	3.11%	-0.14%	0.001404913	1.02%	3.24%	-0.01%	0.000114913	0.84%
Kortright	1544	0.03484698	18	3.51%	0.02%	0.00021302		3.65%	0.16%	0.00161302	
Masonville	1239	0.027963347	14	2.73%	-0.07%	0.000683347		2.85%	0.05%	0.000496653	
Meredith	1484	0.033492823	17	3.31%	-0.04%	0.000392823		3.45%	0.10%	0.001047177	
Middletown	3336	0.075291144	38	7.55%	0.02%	0.000178856		7.64%	0.11%	0.001078856	
Roxbury	2247	0.050713189	25	4.89%	-0.18%	0.001783189		5.06%	-0.01%	0.000113189	
Sidney	5536	0.124943577	63	13.27%	0.77%	0.007726423		12.17%	-0.32%	0.003233577	
Stamford	2000	0.045138575	23	4.49%	-0.02%	0.000198575		4.66%	0.14%	0.001411425	
Tompkins	1290	0.029114381	15	2.92%	0.01%	7.56188E-05		3.04%	0.13%	0.001315619	
Walton	5270	0.118940146	58	12.02%	0.12%	0.001229854		11.38%	-0.52%	0.005180146	
TOTAL	44308	1	500		0.00%				0.00%		