



**To: Interested Parties**  
**From: Dr. Loren Collingwood**  
**CEO Collingwood Research**  
**Associate Professor of Political Science**  
**University of New Mexico**

**RE: Population Projections in Milwaukee's D13 -- Assessing Different Proposals**

This memorandum addresses population projections in three proposed District 13 maps in the city of Milwaukee, Wisconsin. Voces de la Frontera's proposed D13 (proposal 1) includes the following precincts: 243, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 283, 294, 295, 296, 299, 300, 301, 309, and 312.<sup>1</sup>

To calculate the population projection out 10 years requires several steps. First, I generated a shapefile layer based off the aforementioned wards. Second, I gathered the 2010 block shape file and block PL 94-171 population data that includes total population and Hispanic population. Third, I drew a buffer around the proposed D13 Aldermanic district such that all 2010 blocks falling inside of the boundary would be included into my 2010 population estimate. Fourth, I replicated the process for the 2020 PL 94-171 block level data. For each block falling within the proposed D13, I then summed total population and Hispanic, respectively. This produces an estimate of 38,045 total population in 2010, and 39,122 in 2020. Among Latinos, the estimate moves from 15,590 individuals in 2010 to 18,309 in 2020.

To calculate population projections out 10 years, I calculate the Latino population growth between the two years using the following formula:  $(\text{Hispanic Population 2020} - \text{Hispanic Population 2010}) / \text{Hispanic Population 2010}$ . This produces an estimate of 17.4% population growth. I calculated the same result for total population, which I estimate at 3% growth rate between 2010 to 2020. Next, to estimate the Latino 2030 numbers, I multiplied 18,309 (2020 figure) by 17% resulting in 3,193 people. This figure is added to the 2020 count to produce a 2030 estimate of 21,502. I performed the same calculation for total population, which results in a calculation of 40,229 people. Finally, I divide the total number of estimated Latinos by the total estimated population, for an estimate of 53.5%.

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<sup>1</sup> DistrictSolutionsLLC\_proposal01forMilwaukeeAldermanicDistricts.pdf

**Table 1.** Project 2030 population in Voces de la Frontera’s Proposed District 13. Proposal 1.

	<b>Hispanic</b>	<b>Total Population</b>
<b>Pop 2010</b>	15590	38045
<b>Pop 2020</b>	18309	39122
<b>Pct. Growth</b>	17%	3%
<b>Projected Growth</b>	3193.21	1107.49
<b>Projected 2030</b>	21502.21	40229.49
<b>Projected 2030 Pct</b>	53.45%	

Voces de la Frontera’s proposed D13 (proposal 44 tweak to Plan E) includes the following precincts: 243, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 292, 293, 294, 295, 296, 297, 299, 309, and 312.<sup>2</sup>

**Table 2.** Project 2030 population in Voces de la Frontera’s Proposed District 13. Proposal 44, tweak to Plan E.

	<b>Hispanic</b>	<b>Total Population</b>
<b>Pop 2010</b>	15826	39172
<b>Pop 2020</b>	18532	40338
<b>Pct. Growth</b>	17%	3%
<b>Projected Growth</b>	3168.68	1200.71
<b>Projected 2030</b>	21700.68	41538.71
<b>Projected 2030 Pct</b>	52.24%	

Voces de la Frontera’s proposed D13 (proposal 41 tweak to Plan D) includes the following precincts: 243, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 292, 293, 294, 295, 296, 297, 299, 309, and 312.<sup>3</sup>

<sup>2</sup> Proposal44 AldPlanE\_tweak.pdf

<sup>3</sup> Voces Proposal #5 (Plan D tweak).pdf

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**Table 3.** Project 2030 population in Voces de la Frontera’s Proposed District 13. Proposal 41, tweak to Plan D.

	<b>Hispanic</b>	<b>Total Population</b>
<b>Pop 2010</b>	15332	38738
<b>Pop 2020</b>	18083	39905
<b>Pct. Growth</b>	18%	3%
<b>Projected Growth</b>	3244.61	1202.16
<b>Projected 2030</b>	21327.61	41107.16
<b>Projected 2030 Pct</b>	52.88%	