



New York Metropolitan Transportation Council

NYMTC 2050
Socioeconomic and
Demographic (SED) Forecast

2050 SED County Level Forecasts Results & Analysis

Technical Memorandum | Task 4: Forecasting & Analysis

November 16, 2015



Disclaimer

The preparation of this report has been financed through the U.S. Department of Transportation's Federal Transit Administration and Federal Highway Administration.

This document is disseminated under the sponsorship of the New York Metropolitan Transportation Council in the interest of information exchange. The contents of this report reflect the views of the authors who are responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the Federal Transit Administration, Federal Highway Administration or the State of New York. This report does not constitute a standard, specification or regulation.

This report, 2050 SED County Level Forecasts Results and Analysis, was funded through the New York Metropolitan Transportation Council project 2050 Socio-Economic/Demographic (SED) Forecasts PTCS14D00.D01 in the 2014-2015 Unified Planning Work Program. This project was funded through matching grants from the Federal Transit Administration and from the Federal Highway Administration.

Submitted by:



THE Louis Berger Group, INC.

NYCPLANNING
DEPARTMENT OF CITY PLANNING CITY OF NEW YORK

Table of Contents

1.0	INTRODUCTION.....	5
1.1	Overview of Forecasting Process	5
2.0	EMPLOYMENT FORECASTS.....	8
2.1	Methodological Overview	8
2.1.1	Benchmarking	8
2.1.2	Developing Third-Party Forecast Scenarios.....	9
2.1.3	Forecasting Employment	9
2.2	Baseline Forecast Results.....	10
2.2.1	Payroll Employment.....	12
2.2.2	Self-Employment	13
2.2.3	Employment Forecast Evaluation & Reconciliation	14
2.3	Upper and Lower Forecast Ranges.....	16
2.3.1	Upper and Lower Forecasting Methodology.....	16
2.3.2	Upper and Lower Forecast Results	17
2.3.3	Upper and Lower Forecast Validation.....	22
2.4	Comparison of Baseline Forecasts.....	24
2.4.1	Comparison to Previous NYMTC 2040 SED Forecasts	25
2.4.2	Comparison to Other Forecasts.....	26
3.0	POPULATION FORECASTS	28
3.1	Methodological Overview	28
3.1.1	Population Projections – New York City Only	28
3.1.2	Population Projections – 26 County Region.....	29
3.2	Baseline Forecast Results.....	30
3.3	Upper and Lower Forecast Ranges.....	33
3.3.1	Upper and Lower Forecast Methodology	33
3.3.2	Upper and Lower Forecast Results	34
3.4	Comparison of Baseline Forecasts.....	38
3.4.1	New York City	41
3.4.2	Long Island	43
3.4.3	Mid-Hudson.....	45
3.4.4	New Jersey	47
3.4.5	Connecticut.....	49

4.0	LABOR FORCE FORECASTS	51
4.1	Methodological Overview	51
4.2	Labor Force Forecast Results	52
4.3	Employed Labor Force Forecast Results	55
5.0	HOUSEHOLD FORECASTS	59
5.1	Methodological Overview	59
5.2	Household Forecasts Results	60
APPENDIX A: COUNTY LEVEL BASELINE POPULATION FORECASTS BY AGE AND SEX		64
APPENDIX B: COUNTY LEVEL TOTAL EMPLOYMENT FORECASTS BY INDUSTRY.....		80

List of Tables

Table 2-1. Total Employment Forecast Summary (2010-2050)	10
Table 2-2. Baseline Total Employment Forecast (2000-2050)	11
Table 2-3. Projected Payroll Employment Growth by Industry, 31-County Region	13
Table 2-4. Projected Self-Employment (2010-2050).....	14
Table 2-5. Upper Forecasts of Total Employment	18
Table 2-6. Lower Forecasts of Total Employment	19
Table 2-7. Comparison of NJ DOL Payroll Employment to NYMTC SED Forecasts	27
Table 3-1. Total Population Forecast Summary.....	31
Table 3-2. Total Population Forecast	32
Table 3-3. Upper Forecasts of Total Population	34
Table 3-4. Lower Forecasts of Total Population	35
Table 4-1. Civilian Labor Force Forecasts.....	52
Table 4-2. Upper Forecasts of Civilian Labor Force	54
Table 4-3. Lower Forecasts of Civilian Labor Force.....	55
Table 4-4. Employed Civilian Labor Force Forecasts.....	56
Table 4-5. Upper Forecasts of Employed Civilian Labor Force	57
Table 4-6. Lower Forecasts of Employed Civilian Labor Force.....	58
Table 5-1. Household Forecasts	61
Table 5-2. Upper Household Forecasts.....	62
Table 5-3. Lower Household Forecasts	63

List of Figures

Figure 1-1. NYMTC Region & Subregional Geography	5
Figure 1-2. SED Forecasting Process Overview	6
Figure 2-1. Overview of Employment Forecasting Methodology	8
Figure 2-2. Example of Payroll Employment Forecast Selection Process: Retail Employment in Essex County, NJ.....	9
Figure 2-3. Summary of Baseline Forecast Journey-to-Work Trends (1990-2050).....	15
Figure 2-4. 31-County Region Employment-Labor Force Balance, Baseline Forecast	15
Figure 2-5. Linear Forecast Range, 31-County Forecast Region	16
Figure 2-6. Total Employment Forecast Ranges (New York City)	20
Figure 2-7. Total Employment Forecast Ranges (Long Island).....	20
Figure 2-8. Total Employment Forecast Ranges (Mid-Hudson)	21
Figure 2-9. Total Employment Forecast Ranges (New Jersey).....	21
Figure 2-10. Total Employment Forecast Ranges (Connecticut).....	22
Figure 2-11. 31-County Region Labor Force Balance (Upper Forecast).....	23
Figure 2-12. 31-County Region Labor Force Balance (Lower Forecast).....	23
Figure 2-13. Summary of Upper Forecast Journey-to-Work Trends (1990-2050).....	24
Figure 2-14. Summary of Lower Forecast Journey-to-Work Trends (1990-2050)	24
Figure 2-15. 31-County Region Comparison of Payroll Employment Forecasts (2040 Vs. 2050)	26
Figure 3-1. 26-County Region Population Projection Methodology.....	29
Figure 3-2. Summary of Subregional Growth Rates.....	31
Figure 3-3. Total Population Forecast Ranges (New York City)	36
Figure 3-4. Total Population Forecast Ranges (Long Island)	36
Figure 3-5. Total Population Forecast Ranges (Mid-Hudson)	37
Figure 3-6. Total Population Forecast Ranges (New Jersey).....	37
Figure 3-7. Total Population Forecast Ranges (Connecticut).....	38
Figure 3-8. Total Population Forecast Comparison (31-County Region)	41
Figure 3-9. Total Population Forecast Comparison (New York City).....	42
Figure 3-10. Population Forecast Comparison of Net Migration Rate Assumptions (New York City)	43
Figure 3-11. Total Population Forecast Comparison (Long Island)	44
Figure 3-12. Population Forecast Comparison of Net Migration Rate Assumptions (Long Island)	45
Figure 3-13. Total Population Forecast Comparison (Mid-Hudson)	46
Figure 3-14. Population Forecast Comparison of Net Migration Rate Assumptions (Mid-Hudson)	47
Figure 3-15. Total Population Forecast Comparison (New Jersey).....	47
Figure 3-16. NJ Department of Labor-New Jersey State Population Projections	49
Figure 3-17. Total Population Forecast Comparison (Connecticut).....	50
Figure 4-1. Labor Force Model Conceptual Overview	51
Figure 4-2. Labor Force Forecast Distribution by Age.....	53
Figure 5-1. 26-County Region Headship Rates by Age (1990-2010)	59
Figure 5-2. Subregional Headship Rates by Age (2010)	60

1.0 INTRODUCTION

The New York Metropolitan Transportation Council (NYMTC) is a regional council of governments (COG) that is the metropolitan planning organization (MPO) for New York City, Long Island and the lower Hudson Valley. NYMTC provides a collaborative planning forum to address transportation-related issues, develop regional plans and make decisions on the use of federal transportation funds. Socioeconomic and demographic (SED) forecasts are crucial components in the development of regional transportation plans, air quality conformity analysis and decision-making on the use of these funds. In order to produce the 2050 SED forecasts, NYMTC retained the services of The Louis Berger Group (LBG), in collaboration with the New York City Department of City Planning (DCP), to create population, employment, labor force, and household forecasts for the region at the county level, and to develop a tool that allocates the county-level SED projections down to the Transportation Analysis Zone (TAZ) level.

This technical memorandum documents details the results of the county-level forecasts for the 31 counties in the New York metropolitan area that delineate the operating boundary of the New York Best Practices Model (NYBPM) as shown in Figure 1-1. This technical memorandum follows the Task 3.1 memorandum: the Modeling Methodology that details modeling assumptions used to generate these forecasts.

Figure 1-1 shows the segmentation of the 31-County Forecast Region into five distinct subregions and provides a geographic description of the counties comprising each of the five subregions:

- New York City (NYC)
- Long Island (LI)
- Mid-Hudson (MH)
- New Jersey (NJ)
- Connecticut (CT)

FIGURE 1-1. NYMTC REGION & SUBREGIONAL GEOGRAPHY

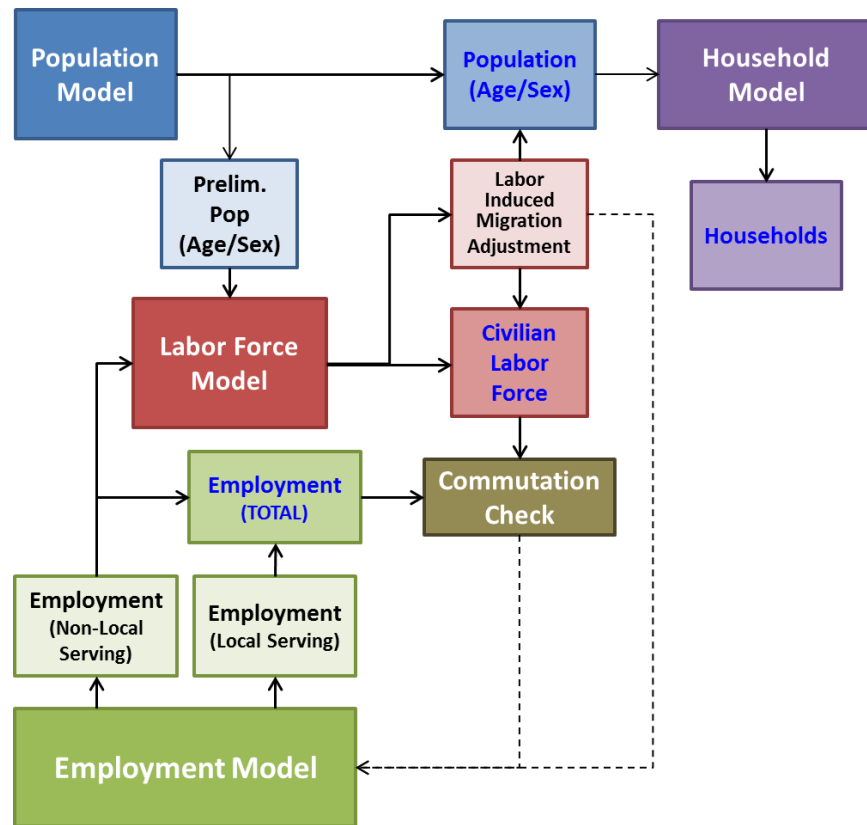


1.1 Overview of Forecasting Process

The 2050 SED forecasting process takes a regional perspective on both population and employment growth. Figure 1-2 provides a high-level summary of the general forecasting process and relationships

between the four variable outputs – population, employment, labor force, and households – (blue text in Figure 1-2).

FIGURE 1-2. SED FORECASTING PROCESS OVERVIEW



A detailed description of the methodological approach applied to generate the forecasts is provided in the *Modeling Methodology* Technical Memorandum, but the following is a brief summary description of each element depicted in Figure 1-2.

Population forecasts were generated using a disaggregated cohort component forecasting approach that accounts for changes in population through the application of age-specific rates of both natural increase (births and deaths) and net migration. Age-specific rates of natural increase were derived from historical (1990-2010) vital statistics records obtained from the various state departments of health while rates of net migration are obtained from a survival analysis conducted over the same 1990-2010 historical time period.

To account for potential housing constraints in the densely developed New York City subregion, an extensive land use analysis was incorporated into the county level forecasting process for the five New York City Boroughs. This land use analysis was used to adjust the population projections generated from the cohort component models in recognition of capacity constraints to population settlement in the City.

Employment forecasts were generated from a set of national and regional employment forecasts obtained from different third-party sources, including Global Insight and Moody's. A range of alternative county level employment forecasts (by industry) were developed by applying different shift-share ratios implied by various combinations of national and regional employment scenarios described by the third-

party sources. Final employment estimates were ultimately derived by applying a forecast averaging approach to the resulting spread of outcomes.

For each five-year interval in the 2010-2050 forecast horizon, initial forecasts of both, future population and employment change, were first generated by the respective models. The regional labor demand implied by the employment forecast for basic (i.e. non-local serving) industries, was evaluated against the corresponding regional labor supply implied by the preliminary population projections, and imbalances between the two were addressed through a labor-induced migration adjustment to the population forecast. The balance between labor supply and demand, and the resulting labor-induced migration adjustments accounted for the land use constraints in the five New York City Boroughs and economic migrants who could not be housed in New York City were allocated to the surrounding counties to proportion of observed commuting patterns.

The resulting final migration rates and commutation flows (implied by the geographical distribution of employment and labor force) were used to evaluate the reasonability of the employment forecasts and to suggest refinements as necessary.

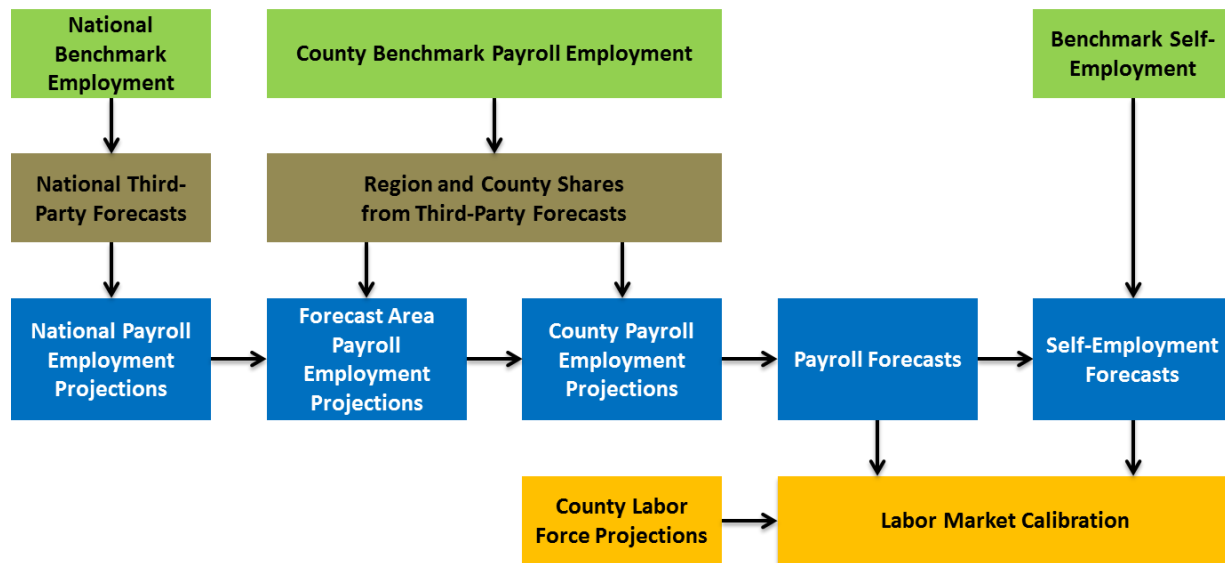
Although Figure 1-2 shows that labor force estimates are an intermediate input in the population forecast process, both labor force and household forecasts are ultimately products of the population forecast. Both forecasts are generated by applying age-specific labor force participation and household formation (headship) rates to the age/gender profiles obtained from the population forecast. As such, the labor force and household forecasts are not discussed in this document given that a detailed discussion of the methodological approach and resulting forecast estimates are provided in the [Modeling Methodology](#) Technical Memorandum.

2.0 EMPLOYMENT FORECASTS

2.1 Methodological Overview

The NYMTC employment projections were developed in three broad steps, distinguished by the three colors shown in the top section of Figure 2-1. The steps are (1) benchmarking; (2) using the third-party forecasts to develop national employment forecasts and region/county employment shares; and (3) forecasting payroll and self-employment. A fourth step was taken at the tail end of the forecasting process and involved calibrating place-of-work employment forecasts against place-of-residence labor force forecasts (derived from population forecasts).

FIGURE 2-1. OVERVIEW OF EMPLOYMENT FORECASTING METHODOLOGY



2.1.1 Benchmarking

The purpose of benchmarking was to estimate the most likely values of historical place-of-work employment by industry at the national and county level. At the national level, benchmark wage and salary employment was estimated using Current Employer Statistics (CES) data, supplemented with Current Population Survey (CPS) data for non-agricultural and private household employment.

The county-level benchmarking process was motivated by the need for place-of-work employment estimates broadly consistent with Journey to Work (JTW) patterns. A comparison of sources revealed that county estimates from the Quarterly Census of Employment and Wages (QCEW) program systematically differed from American Community Survey (ACS) estimates due to “headquartering bias”. To address this, a county-level wage and salary benchmark was developed using data from Bureau of Labor Statistics (BLS) State and Area Employment (SAE) and QCEW series, as well as the U.S. Census Bureau’s ACS. County benchmark self-employment was also estimated from the ACS.

2.1.2 Developing Third-Party Forecast Scenarios

Three third-party forecasts were leveraged to develop national employment forecasts as well as forecasts of region and county shares by industry:

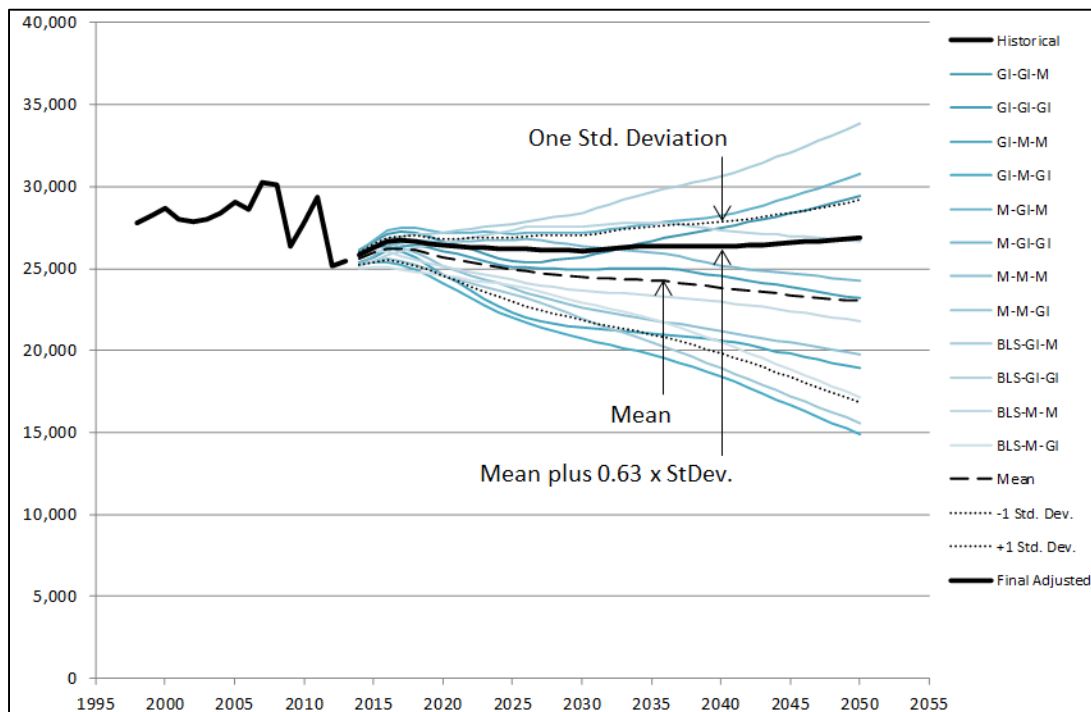
- Bureau of Labor Statistics
- IHS-Global Insight
- Moody's

All three sources were used to establish distinct national payroll employment scenarios. These forecasts were indexed to the national benchmark employment series to avoid any discontinuity with the last historical year (2013). Regional third-party shares were developed by dividing the 31-County totals for Moody's and Global Insight by the corresponding national forecast, and county shares were subsequently developed in a similar manner as the regional shares.

2.1.3 Forecasting Employment

Baseline county employment forecasts were generated using a forecast averaging process. This was accomplished by combining each national forecast with all possible region and county share specifications. Iterating over all possible combinations yielded a range of 12 possible forecasts for each industry (3 national forecasts x 2 region shares x 2 county shares). Baseline payroll employment was selected as the average over all these combinations, subject to minor adjustments reflecting feedback from the Forecast Working Group (FWG). This process is demonstrated in Figure 2-2 for retail employment in Essex County, New Jersey.

FIGURE 2-2. EXAMPLE OF PAYROLL EMPLOYMENT FORECAST SELECTION PROCESS: RETAIL EMPLOYMENT IN ESSEX COUNTY, NJ



Each blue trace in Figure 2-2 reflects one combination of a national forecast, a regional share method, and a county share method. For example, the lightest blue line shows the BLS national forecast shared to the 31-county region using Moody's Region Share, and then shared to counties using Global Insight

County Share (BLS-M-GI in the legend). The average across all of these combinations is shown as the dashed black line.

The final employment forecast was selected relative to the average. In the case of Essex County, an upward adjustment was applied based on feedback from local agencies. This adjustment was applied to all industries in the county based on the distribution's mean (the dashed line) and the standard deviation (the dotted lines). For Essex County, an upward adjustment of 0.63 was applied, such that the final benchmark forecast value for each industry was selected as the mean plus 0.63 times one standard deviation. The resulting forecast is shown as the thick black line in Figure 2-2.

2.2 Baseline Forecast Results

Total employment in the 31-County Region is projected to grow by about 2.3 million jobs between 2010 and 2050 as shown by the total employment forecast summary in Table 2-1. This growth is driven primarily by a continuation of the current cyclical rebound – through about 2017 – followed by a resumption of more moderate long-run growth trends.

TABLE 2-1. TOTAL EMPLOYMENT FORECAST SUMMARY (2010–2050)

Employment Levels	2010	2015	2020	2025	2030	2035	2040	2045	2050
New York City	4,529,643	4,904,770	5,017,008	5,074,498	5,124,229	5,182,523	5,244,981	5,303,237	5,364,758
Long Island	1,227,881	1,304,882	1,343,833	1,365,486	1,386,575	1,413,274	1,440,404	1,468,363	1,497,188
Mid-Hudson	962,986	1,012,275	1,045,449	1,069,096	1,091,902	1,118,093	1,144,663	1,172,322	1,201,123
New Jersey	3,352,815	3,541,938	3,687,618	3,746,703	3,800,475	3,891,880	3,983,470	4,066,131	4,151,423
Connecticut	952,682	996,545	1,031,729	1,047,865	1,069,812	1,093,898	1,121,373	1,149,051	1,178,811
31-County Totals	11,026,007	11,760,411	12,125,636	12,303,648	12,472,992	12,699,669	12,934,892	13,159,104	13,393,301
Avg. Annual Growth Rate	2010	2015	2020	2025	2030	2035	2040	2045	2050
New York City		1.6%	0.5%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Long Island		1.2%	0.6%	0.3%	0.3%	0.4%	0.4%	0.4%	0.4%
Mid-Hudson		1.0%	0.6%	0.4%	0.4%	0.5%	0.5%	0.5%	0.5%
New Jersey		1.1%	0.8%	0.3%	0.3%	0.5%	0.5%	0.4%	0.4%
Connecticut		0.9%	0.7%	0.3%	0.4%	0.4%	0.5%	0.5%	0.5%
31-County Totals		1.3%	0.6%	0.3%	0.3%	0.4%	0.4%	0.3%	0.4%

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

Note: Total employment includes payroll employment, self-employment, and unpaid family work

The forecasts presented in Table 2-1 were generated by making adjustments to the average forecast scenarios discussed in Section 2.1.3 to reflect the following regional perspectives:

New York City: Based on feedback from the Forecast Working Group (FWG), it was determined that Moody's and Global Insight forecasts were too aggressive in NYC, having been estimated in a strong growth period. Thus, a downward adjustment was made to bring growth trends past 2030 into closer alignment with long-run historical averages.

Long Island and Mid-Hudson: Based on feedback from the FWG, a modest upward adjustment was made to Mid-Hudson and Long Island counties to partially offset the downward adjustment made to New York City.

New Jersey: Based on feedback from FWG, it was determined that Moody's and Global Insight forecasts for several New Jersey counties (Bergen, Essex, Hudson, Passaic, and Sussex) were too pessimistic, having been calibrated in a period of slow or negative growth. Thus, an upward adjustment was applied to these counties to bring them more in line with long-run historical

averages. Off-setting adjustments were made to other New Jersey counties so that NJ region totals remained roughly the same as before the adjustment. Additional county-level adjustments were made within the subregion control totals based on certain environmental and land use constraints. These included consideration of Pinelands regulations and land use controls as well as the Highlands regulations

Table 2-2 provides a more detailed picture of the regional distribution of projected employment growth. This again shows the strong cyclical rebound from 2010 to 2020 across all subregions, and that the rebound has been strongest in New York City.

TABLE 2-2. BASELINE TOTAL EMPLOYMENT FORECAST (2000-2050)

	2000	2010	2012	2020	2030	2040	2050	1990-2010			2010-2050		
								Difference	CAGR		Difference	CAGR	
FORECAST REGION	11,246,277	11,026,007	11,314,023	12,125,636	12,472,992	12,934,892	13,393,301	-220,270	-1.96%	-0.20%	2,367,294	21.47%	0.65%
Bronx County	346,623	380,917	396,442	425,439	438,554	452,145	465,591	34,294	9.89%	0.95%	84,674	22.23%	0.67%
Kings County	787,042	823,738	879,865	945,808	969,844	998,422	1,027,032	36,696	4.66%	0.46%	203,295	24.68%	0.74%
New York County	2,609,571	2,489,495	2,527,496	2,711,763	2,770,045	2,833,150	2,900,950	-120,076	-4.60%	-0.47%	411,455	16.53%	0.51%
Queens County	706,035	709,096	740,466	784,688	792,521	804,849	811,754	3,062	0.43%	0.04%	102,658	14.48%	0.45%
Richmond County	121,590	126,397	140,164	149,309	153,264	156,416	159,430	4,807	3.95%	0.39%	33,032	26.13%	0.78%
New York City Total	4,570,861	4,529,643	4,684,432	5,017,008	5,124,229	5,244,981	5,364,758	-41,218	-0.90%	-0.09%	835,115	18.44%	0.57%
Nassau County	597,226	591,002	611,415	643,851	657,136	679,278	703,103	-6,224	-1.04%	-0.10%	112,101	18.97%	0.58%
Suffolk County	611,661	636,879	650,850	699,981	729,440	761,126	794,085	25,219	4.12%	0.40%	157,205	24.68%	0.74%
Long Island Total	1,208,886	1,227,881	1,262,265	1,343,833	1,386,575	1,440,404	1,497,188	18,995	1.57%	0.16%	269,306	21.93%	0.66%
Dutchess County	120,638	121,400	123,966	130,131	136,884	144,389	152,822	761	0.63%	0.06%	31,422	25.88%	0.77%
Orange County	144,626	150,982	151,389	160,532	170,935	182,260	194,693	6,356	4.39%	0.43%	43,711	28.95%	0.85%
Putnam County	26,032	28,455	29,514	30,687	30,937	31,072	31,323	2,423	9.31%	0.89%	2,868	10.08%	0.32%
Rockland County	118,355	116,614	120,151	131,160	139,244	147,337	155,730	-1,741	-1.47%	-0.15%	39,116	33.54%	0.97%
Sullivan County	29,302	29,592	27,904	30,994	37,073	44,680	52,330	290	0.99%	0.10%	22,739	76.84%	1.92%
Ulster County	74,611	70,755	70,623	73,195	74,885	77,491	80,347	-3,856	-5.17%	-0.53%	9,591	13.56%	0.42%
Westchester County	462,833	445,188	464,275	488,751	501,944	517,434	533,878	-17,645	-3.81%	-0.39%	88,690	19.92%	0.61%
Mid-Hudson Total	976,397	962,986	987,823	1,045,449	1,091,902	1,144,663	1,201,123	-13,411	-1.37%	-0.14%	238,136	24.73%	0.74%
Bergen County	507,100	455,492	473,677	508,320	527,598	548,538	566,297	-51,608	-10.18%	-1.07%	110,805	24.33%	0.73%
Essex County	430,175	402,495	390,181	420,649	429,609	452,602	476,343	-27,680	-6.43%	-0.66%	73,848	18.35%	0.56%
Hudson County	303,701	289,912	294,301	335,410	351,143	371,447	390,123	-13,789	-4.54%	-0.46%	100,211	34.57%	0.99%
Hunterdon County	59,534	60,652	61,070	63,802	64,361	67,563	70,904	1,118	1.88%	0.19%	10,252	16.90%	0.52%
Mercer County	245,428	248,058	249,394	274,913	288,456	307,005	324,450	2,630	1.07%	0.11%	76,392	30.80%	0.90%
Middlesex County	417,715	400,069	413,049	439,985	453,005	476,961	495,024	-17,647	-4.22%	-0.43%	94,956	23.73%	0.71%
Monmouth County	273,171	288,407	289,440	302,227	304,399	318,260	334,246	15,236	5.58%	0.54%	45,839	15.89%	0.49%
Morris County	320,180	307,283	317,168	341,665	346,764	354,940	360,712	-12,897	-4.03%	-0.41%	53,430	17.39%	0.54%
Ocean County	162,818	181,413	184,870	201,457	212,336	227,087	242,401	18,595	11.42%	1.09%	60,989	33.62%	0.97%
Passaic County	209,638	191,749	200,589	213,869	222,102	231,939	241,692	-17,889	-8.53%	-0.89%	49,943	26.05%	0.77%
Somerset County	192,237	188,892	198,389	216,287	223,258	233,601	240,415	-3,345	-1.74%	-0.18%	51,522	27.28%	0.81%
Sussex County	43,330	48,291	47,927	51,578	52,628	54,105	55,778	4,961	11.45%	1.09%	7,488	15.51%	0.48%
Union County	263,920	250,670	253,360	276,376	282,636	296,035	308,835	-13,250	-5.02%	-0.51%	58,165	23.20%	0.70%
Warren County	38,724	39,432	39,481	41,080	42,182	43,386	44,202	708	1.83%	0.18%	4,770	12.10%	0.38%
New Jersey Total	3,467,669	3,352,815	3,412,895	3,687,618	3,800,475	3,983,470	4,151,423	-114,854	-3.31%	-0.34%	798,608	23.82%	0.71%
Fairfield County	519,961	480,866	493,315	531,540	553,151	581,351	613,250	-39,095	-7.52%	-0.78%	132,384	27.53%	0.81%
Litchfield County	81,154	68,435	72,776	73,954	75,605	78,206	80,889	-12,719	-15.67%	-1.69%	12,454	18.20%	0.56%
New Haven County	421,349	403,380	400,516	426,235	441,057	461,816	484,672	-17,969	-4.26%	-0.43%	81,291	20.15%	0.61%
Connecticut Total	1,022,464	952,682	966,607	1,031,729	1,069,812	1,121,373	1,178,811	-69,782	-6.82%	-0.70%	226,129	23.74%	0.71%

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

Between 2010 and 2020, the New York City subregion is projected to gain about 500,000 jobs – accounting for roughly half of all jobs gains in the 31-county region in that period. Looking at Table 2-2, Manhattan alone is projected to account for about 20 percent of all job gains between 2010 and 2020. Note that the strength of the cyclical rebound in NYC is largely a continuation of recent trends. Between

2010 and 2014, NYC is estimated to have already gained approximately 320,000 jobs. Thus, the 1.7 percent average annual growth projected for NYC between 2010 and 2015 is largely historical – meaning that the 2014 value validates well against available 2014 data (limited to the monthly State and Area Employment series from the Bureau of Labor Statistics), and that only 2015 is a pure forecast.

Outside of NYC, the cyclical rebound has been only slightly less robust. As shown in Table 2-1, the period 2010 to 2015 is projected to yield annual employment growth rates of between 0.9 percent and 1.3 percent for all outer regions. After 2020, employment gains are expected to moderate back towards longer-run historical growth trends, with outlying areas expected to grow slightly faster than the urban core. Here, New York City is projected to grow about 0.2 percent per year, with much of that growth expected in Brooklyn and Queens.

The rest of the region is expected to grow at about 0.5 percent per year past 2020, with New Jersey accounting for the largest share. Moreover, total employment growth in the New Jersey subregion between 2010 and 2050 is projected to be about 800,000 jobs – only slightly less than for New York City. Together, Long Island, Mid-Hudson, and Connecticut are projected to add about 735,000 jobs between 2010 and 2050. Across all subregions outside of NYC, Nassau and Suffolk counties (Long Island), Fairfield County (Connecticut), and Bergen and Hudson counties (New Jersey) are each projected to add more than 100,000 jobs between 2010 and 2050.

2.2.1 Payroll Employment

At the industry level, payroll employment growth is driven by a combination of national and regional trends. Nationally, employment growth is projected to be strongest in industries with stable or growing national demand and low to moderate labor productivity growth. In other words, payroll employment is likely to be most robust in sectors driven by stable consumer demand and where it is also difficult to outsource or automate work. Regionally, employment growth will be strongest in sectors with strong national growth and where New York City can maintain or increase its competitive advantage relative to the rest of the country. Table 2-3 shows that five industries are expected to account for the vast majority of payroll employment growth between 2010 and 2050.

Professional, Scientific, & Technical Services (NAICS 54). Demand for these services (e.g., legal, accounting, engineering, computer, consulting, research) has been strong for several decades and is expected to increase nationally. Although jobs in these fields are not typically performed “in-person”, they require a high degree of expertise and training, and the New York region has maintained a stable competitive advantage, serving regional, national, and international demand.

Administrative, Support, & Waste Management Services (NAICS 56). This sector is comprised of establishments performing routine support activities for the day-to-day operations of other organizations. Jobs in these fields are difficult to outsource or automate, and are supportive of many industries that have fared well in the current rebound – and that are expected to continue growing in the future.

Educational Services (NAICS 61). This sector includes private and nonprofit schools, colleges, and training centers (public schools and universities are included in 92-Government). Nationally, education services have seen rapid growth in the past 15 years – more than three percent per year. This reflects not only demand for private colleges, but also for workforce training centers. New York City maintains a very high competitive advantage in this sector relative to the rest of the country.

Health Care & Social Services (NAICS 62). In recent history, this sector has provided the best combination of strong national growth and stable labor productivity, generating the largest single-sector gain in payroll employment. These national trends – driven largely by demographic forces – are expected

to continue through the end of the forecast period. Although many of the fields within this sector are locally-serving (such as dentists), elements of New York's health care "cluster" serve both national and international demand.

Accommodation & Food Services (NAICS 72). Finally, growth in this sector reflects a recent increase in New York's share of national demand, driven by national and international tourism. These trends are expected to continue past the current cyclical rebound, albeit with a more moderate growth trend.

TABLE 2-3. PROJECTED PAYROLL EMPLOYMENT GROWTH BY INDUSTRY, 31-COUNTY REGION

NAICS Industry	Levels		Avg. Annual Change, 2010-2050		Industry % of Total Growth
	2010	2050	Levels	%	
11-Agriculture	16,532	19,362	71	0.4%	0.1%
21-Mining	2,572	6,171	90	3.5%	0.2%
22-Utilities	42,624	31,631	-275	-0.6%	-0.5%
23-Construction	356,694	509,200	3,813	1.1%	7.0%
31-33-Manufacturing	529,452	367,816	-4,041	-0.8%	-7.4%
42-Wholesale Trade	445,006	434,701	-258	-0.1%	-0.5%
44-45-Retail Trade	1,011,207	941,335	-1,747	-0.2%	-3.2%
48-49-Transportation & Warehousing	311,343	275,401	-899	-0.3%	-1.7%
51-Information	291,747	405,524	2,844	1.0%	5.2%
52-Finance & Insurance	609,591	663,316	1,343	0.2%	2.5%
53-Real Estate, Rental & Leasing	204,272	189,054	-380	-0.2%	-0.7%
54-Professional, Scientific & Technical	733,323	1,004,427	6,778	0.9%	12.5%
55-Management Of Companies & Enterprises	176,241	239,735	1,587	0.9%	2.9%
56-Administrative, Support, Waste Management	549,371	927,823	9,461	1.7%	17.4%
61-Educational Services	386,079	630,223	6,104	1.6%	11.2%
62-Health Care & Social Assistance	1,425,346	2,139,567	17,856	1.3%	32.8%
71-Arts, Entertainment & Recreation	158,073	189,099	776	0.5%	1.4%
72-Accommodation & Food Services	647,526	909,652	6,553	1.0%	12.0%
81-Other Services	507,692	540,511	820	0.2%	1.5%
92-Government	1,585,261	1,741,445	3,905	0.2%	7.2%
Total-All Industries	9,989,951	12,165,992	54,401	0.5%	100.0%

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

2.2.2 Self-Employment

Historically, self-employment has comprised just over 9 percent of total employment in the 31-County Region. Although self-employment rates, that is, the share of self-employment to total employment, vary across industries and counties, according to the ACS, overall rates have remained relatively stable since 2005 (as a percent of total employment). Table 2-4 shows projected self-employment levels and rates through the end of the forecast period.

TABLE 2-4. PROJECTED SELF-EMPLOYMENT (2010-2050)

Self-Employment	2010	2015	2020	2025	2030	2035	2040	2045	2050
New York City	419,128	439,192	448,559	453,446	455,551	458,973	461,852	465,064	467,922
Long Island	131,124	141,448	145,882	148,132	150,486	153,306	156,097	158,935	161,828
Mid-Hudson	112,644	112,501	116,251	118,773	121,251	123,903	126,560	129,239	131,990
New Jersey	272,952	284,039	299,311	304,911	308,454	314,525	321,106	325,715	330,287
Connecticut	100,208	102,580	108,135	111,598	116,119	120,451	125,360	130,203	135,282
31-County Totals	1,036,056	1,079,759	1,118,138	1,136,860	1,151,862	1,171,158	1,190,975	1,209,155	1,227,309

Self-Employment Rates	2010	2015	2020	2025	2030	2035	2040	2045	2050
New York City	9.3%	9.0%	8.9%	8.9%	8.9%	8.9%	8.8%	8.8%	8.7%
Long Island	10.7%	10.8%	10.9%	10.8%	10.9%	10.8%	10.8%	10.8%	10.8%
Mid-Hudson	11.7%	11.1%	11.1%	11.1%	11.1%	11.1%	11.1%	11.0%	11.0%
New Jersey	8.1%	8.0%	8.1%	8.1%	8.1%	8.1%	8.1%	8.0%	8.0%
Connecticut	10.5%	10.3%	10.5%	10.6%	10.9%	11.0%	11.2%	11.3%	11.5%
31-County Totals	9.4%	9.2%	9.2%	9.2%	9.2%	9.2%	9.2%	9.2%	9.2%

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

2.2.3 Employment Forecast Evaluation & Reconciliation

As indicated in Section 2.1, the final step in the forecasting process was to ensure that place-of-work employment forecasts could fully (and reasonably) reconcile with place-of-residence population and labor force projections. There were three facets to this calibration: (1) unemployment rate; (2) multiple job-holding rate; and (3) Journey-to-Work (JTW).

County unemployment rates were forecasted based on trends from the Congressional Budget Office (CBO) projections and recent ACS data on local rates. These forecasts preserved historical variation among counties, and held that the regional unemployment rate would continue to decline until about 2025, where it would stabilize at a natural unemployment rate of about 5.9 percent. This forecasted unemployment rate was applied to labor force projections to determine employed labor force.

The regional multiple-job-holding was estimated by comparing employment (a count of jobs held) with regional employed labor force (a count of individuals holding at least one job). This comparison revealed an implied multiple-job-holding rate of about seven percent in 2020, declining to about 5 percent by the end of the forecast period. These values were well within the historical range of 3 to 8 percent.

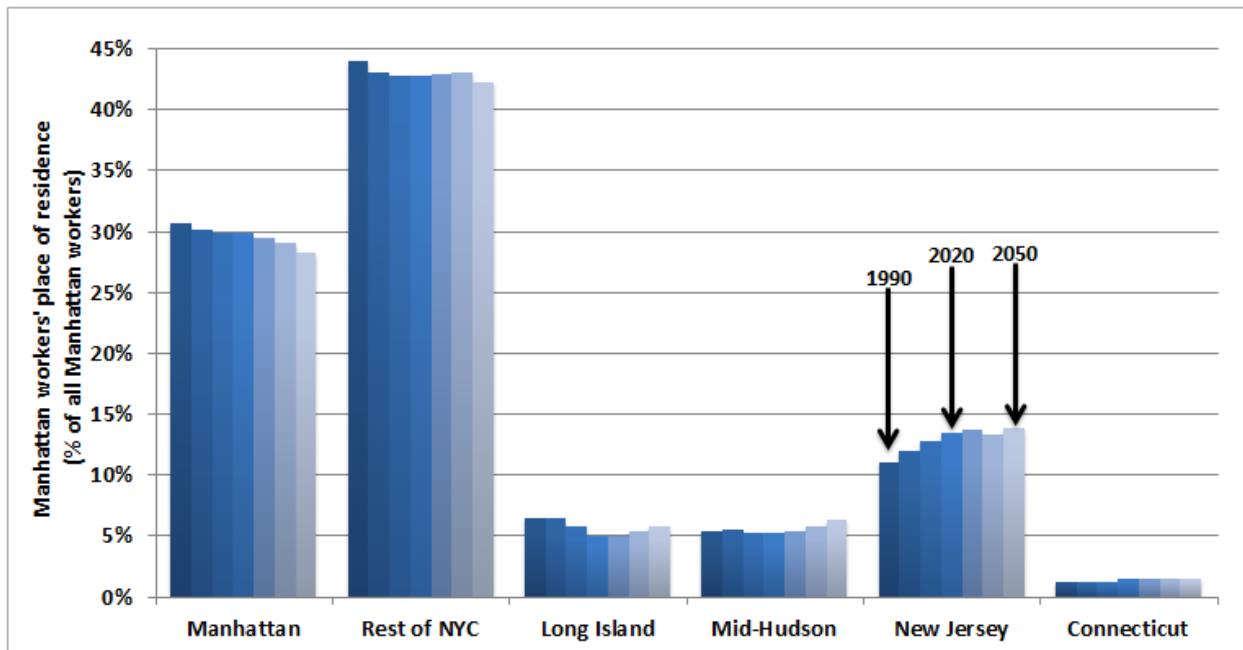
The final step in the evaluation and reconciliation process was to balance forecasted employed labor force against forecasted employment. This was done by converting total employment by place-of-work into primary jobs (i.e., subtracting multiple-job-holders), and then balancing JTW trends. Figure 2-3 shows the results of this process in terms of distribution of Manhattan workers by place of residence. The first three bars in the figure reflect historical years 1990, 2000, and 2010, and the remaining bars representing future commuting shares generated by the forecast calibration process.

The results in Figure 2-3 show a continuation of commuting trends observed between 1990 and 2010, with a growing proportion of Manhattan workers commuting from outside the city. The proportion deemed to commute from New Jersey continues to increase albeit at a slower pace than previously observed. Long Island (and to some extent Mid-Hudson) display increasing commuter shares as Manhattan and New York City population forecasts approach their capacity constraints as described in more detail in Section 3.1.

Because the population and employment forecasts are linked through the economic-demographic framework described in the *Modeling Methodology* Technical Memorandum, the expected correlation

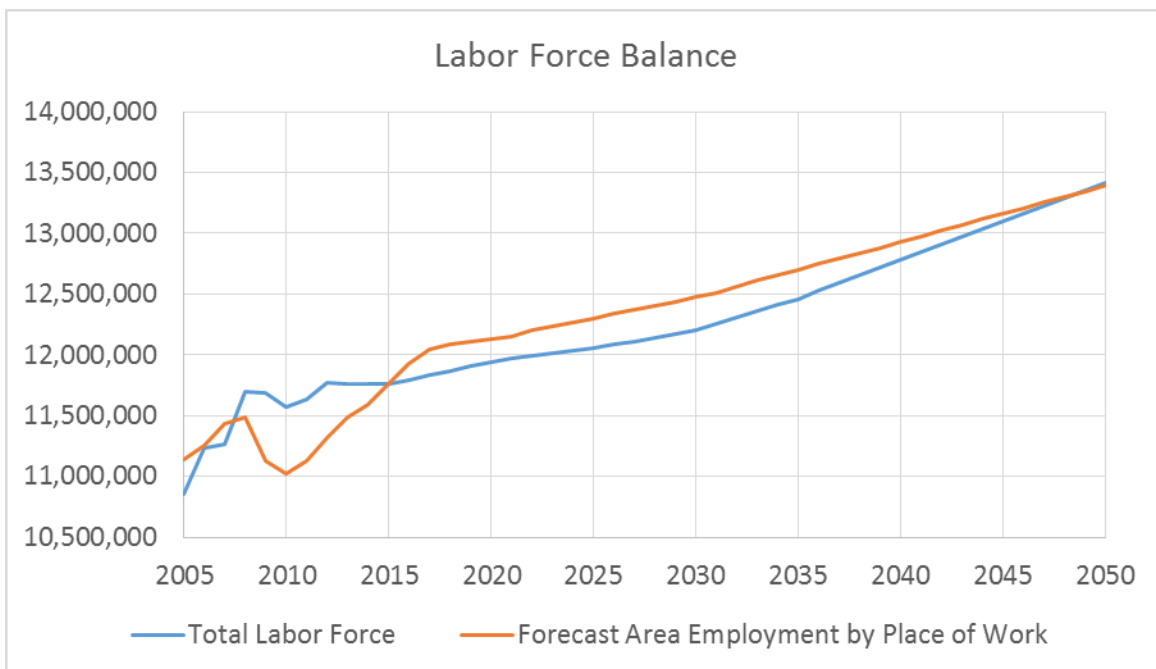
between the projected employment, and the population driven labor force projections is confirmed as demonstrated in Figure 2-4.

FIGURE 2-3. SUMMARY OF BASELINE FORECAST JOURNEY-TO-WORK TRENDS (1990-2050)



Source: American Community Survey (ACS); NYMTC 2050 SED Forecasts

FIGURE 2-4. 31-COUNTY REGION EMPLOYMENT-LABOR FORCE BALANCE, BASELINE FORECAST



Source: American Community Survey; NYMTC 2050 SED Forecasts

2.3 Upper and Lower Forecast Ranges

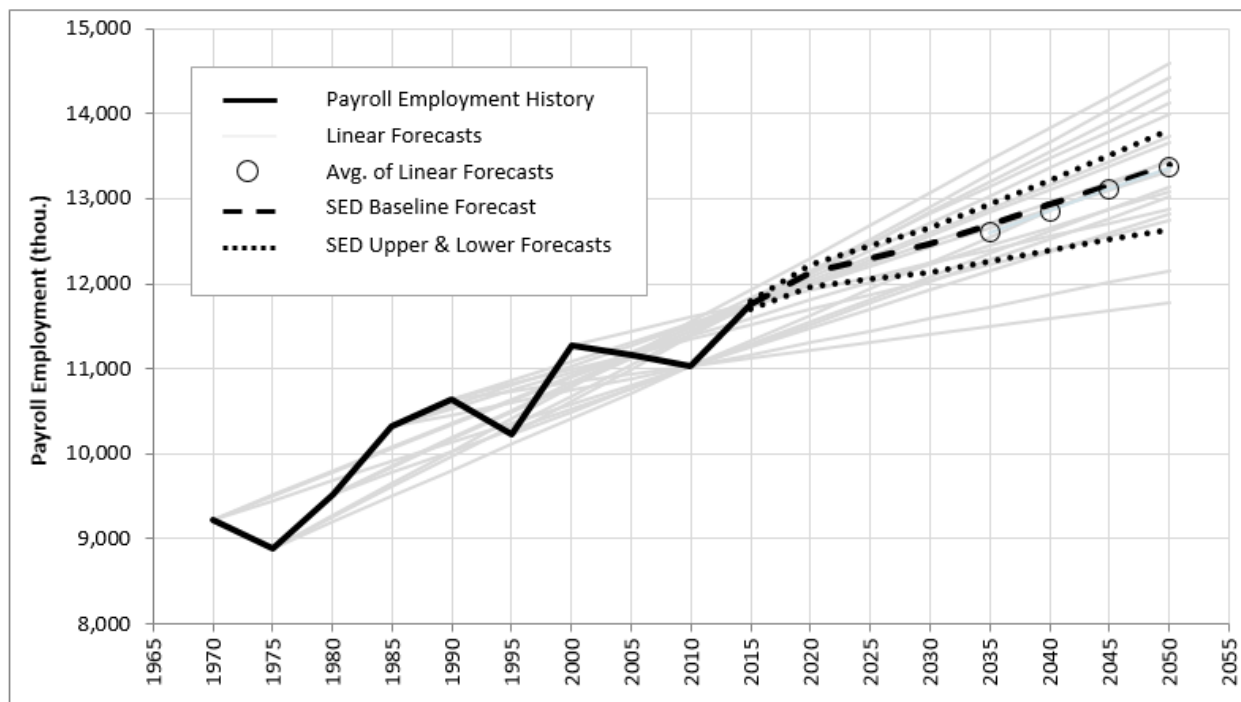
The trajectory of the baseline forecasts presented in the previous sections, were developed through a rigorous process that combined the results of multiple independent third-party assessments, as well as the local input of the Project Team and regional stakeholders represented in the Forecast Working Group. Nonetheless, all socioeconomic forecasts carry uncertainty. Forecasting deviations can arise for a number of reasons, including unforeseeable external events such as Hurricane Sandy, as well as economic shocks like the “Great Recession” of 2007-2009. To account for this, upper and lower forecasts were developed relative to the baseline forecast described, and as such, are intended to represent a range of potential deviations from the baseline in the future. The next two sections outline the methodology, results, and validation of this process.

2.3.1 Upper and Lower Forecasting Methodology

The goal of the upper and lower forecasts was to explore possible future employment levels above and below the baseline forecast. If we think about the full range of possible future employment levels for the region, the baseline forecast is expected to be near the middle, whereas the upper and lower forecasts are expected to be closer to the upper and lower extremes. In statistical terms, the baseline forecast is expected to be near the median of possible futures, whereas the upper and lower forecasts are on the “tail.”

Linear forecasts were produced by first interpolating employment growth between multiple starting years and another year (with available historical data) 15 to 45 years out. Each of these interpolation lines was then extrapolated linearly to 2050 to produce a plausible range of payroll employment forecasts (Figure 2-5). This technique has the benefit of yielding a plausible range of possible futures using a simple forecast method.

FIGURE 2-5. LINEAR FORECAST RANGE, 31-COUNTY FORECAST REGION



Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

Figure 2-5 shows that the Baseline Forecast is very close to the average of the linear forecasts. To establish upper and lower forecasts, the baseline forecast was adjusted until it was about halfway between the maximum and minimum observed linear forecast, respectively. Recall that the baseline forecasts went through an adjustment process based on feedback from local stakeholders represented in the FWG. In this process, the method of adjustment was to use the standard deviation observed across 3rd-party forecasts.

A similar approach was used to generate the upper and lower forecasts. Through trial and error, it was determined that a downward adjustment of -0.25 standard deviations (relative to the baseline forecast) had the effect of lowering the baseline forecast about halfway between the average and minimum of the linear forecasts. This adjustment was therefore applied to every industry/county combination to yield the lower forecast shown in Figure 2-5 (see the *Modeling Methodology* Technical Memorandum for further detail on how the standard deviation factor is used in the overall forecasting process).

For the upper forecast, the adjustment was treated slightly differently. Based on feedback from local agencies, it was believed that the baseline New York City forecast was already somewhat aggressive. Therefore, a more modest upwards adjustment of +0.05 standard deviations was applied to the five New York City Boroughs. The remaining 26 counties were adjusted +0.2 standard deviations to yield the upper forecast shown in Figure 2-5.

2.3.2 Upper and Lower Forecast Results

Table 2-5 and Table 2-6, show the Upper and Lower Forecasts resulting from the process described in the previous section. At the 31-County level, the 2050 upper forecast is about 3 percent higher than baseline and the lower forecast is about 5.5 percent below baseline. This reflects the asymmetric adjustments described above.

As discussed in the introduction to this Section, baseline forecasts were developed using an averaging process of three third-party forecasts. The adjustment process used to establish upper and lower forecasts was based on the variability observed among these third-party forecast at the county-industry level. As a consequence, industries and counties for which there was more of a consensus among third-party forecasts tended to be more robust to the adjustment process. Therefore, the final levels of the upper and lower forecasts for each region are the result of (1) the degree to which the baseline forecasts were adjusted, and (2) the degree of consensus among third-party forecasts. Figure 2-6 through

Figure 2-10 provide more detailed comparisons of the upper and lower forecasts versus the baseline forecasts for each subregion.

TABLE 2-5. UPPER FORECASTS OF TOTAL EMPLOYMENT

	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	11,026,007	11,314,023	11,797,897	12,217,254	12,440,225	12,654,399	12,931,079	13,222,079	13,506,063	13,804,587
Bronx County	380,917	396,442	415,045	426,466	434,058	440,656	447,421	455,375	462,525	470,297
Kings County	823,738	879,865	925,543	948,345	962,974	974,991	990,093	1,006,357	1,021,952	1,038,227
New York County	2,489,495	2,527,496	2,649,311	2,719,301	2,754,164	2,786,193	2,822,575	2,858,991	2,897,054	2,936,300
Queens County	709,096	740,466	772,751	787,024	792,355	797,086	803,387	811,803	816,100	821,577
Richmond County	126,397	140,164	147,210	149,716	152,437	154,201	155,947	157,850	159,616	161,470
NYC Total	4,529,643	4,684,432	4,909,859	5,030,853	5,095,987	5,153,127	5,219,422	5,290,376	5,357,247	5,427,871
Nassau County	591,002	611,415	630,519	650,576	659,911	670,097	684,275	698,998	714,521	730,820
Suffolk County	636,879	650,850	680,353	707,357	726,371	743,918	763,472	783,612	804,529	826,105
LI Total	1,227,881	1,262,265	1,310,873	1,357,933	1,386,281	1,414,015	1,447,747	1,482,610	1,519,050	1,556,925
Dutchess County	121,400	123,966	126,482	131,594	135,990	139,919	144,324	149,122	154,209	159,652
Orange County	150,982	151,389	155,323	162,202	168,446	174,452	180,892	187,915	195,219	202,965
Putnam County	28,455	29,514	30,390	31,041	31,455	31,677	31,902	32,158	32,460	32,777
Rockland County	116,614	120,151	126,212	132,574	137,376	141,986	146,768	151,513	156,496	161,662
Sullivan County	29,592	27,904	28,450	31,762	34,295	38,722	43,200	47,607	52,051	56,603
Ulster County	70,755	70,623	72,355	74,038	75,213	76,572	78,321	80,051	81,978	83,973
Westchester County	445,188	464,275	478,085	494,209	504,335	512,409	522,597	532,925	543,743	555,060
MH Total	962,986	987,823	1,017,296	1,057,421	1,087,109	1,115,738	1,148,003	1,181,292	1,216,158	1,252,693
Bergen County	455,492	473,677	493,989	513,781	529,232	538,553	551,940	564,882	576,037	587,683
Essex County	402,495	390,181	404,823	425,267	431,184	438,239	451,368	465,992	480,057	494,913
Hudson County	289,912	294,301	315,466	338,987	348,755	357,932	369,919	382,019	393,076	404,521
Hunterdon County	60,652	61,070	62,633	64,553	65,239	66,007	68,067	70,178	72,263	74,516
Mercer County	248,058	249,394	263,552	278,030	286,151	294,616	305,764	317,009	327,620	338,635
Middlesex County	400,069	413,049	425,614	444,891	452,964	462,416	478,094	494,183	508,433	522,974
Monmouth County	288,407	289,440	295,067	305,463	308,110	310,632	318,878	328,488	338,851	350,177
Morris County	307,283	317,168	331,813	345,662	350,414	354,503	361,020	366,961	372,169	377,543
Ocean County	181,413	184,870	191,996	203,906	211,341	217,521	226,055	235,395	245,214	255,443
Passaic County	191,749	200,589	206,646	214,931	219,918	224,148	229,600	235,002	240,293	245,871
Somerset County	188,892	198,389	209,167	218,858	223,673	228,322	235,344	242,396	248,334	254,146
Sussex County	48,291	47,927	50,463	52,224	53,207	53,912	54,896	55,964	57,092	58,327
Union County	250,670	253,360	267,235	279,376	283,184	288,415	297,057	305,892	314,550	323,774
Warren County	39,432	39,481	40,006	41,589	42,334	43,112	43,918	44,875	45,617	46,397
NJ Total	3,352,815	3,412,895	3,558,470	3,727,518	3,805,706	3,878,329	3,991,921	4,109,237	4,219,608	4,334,921
Fairfield County	480,866	493,315	516,158	537,660	549,873	565,305	582,305	601,224	620,812	641,775
Litchfield County	68,435	72,776	71,910	74,821	75,806	77,307	78,973	80,791	82,581	84,512
New Haven County	403,380	400,516	413,332	431,048	439,463	450,579	462,707	476,550	490,607	505,890
CT Total	952,682	966,607	1,001,399	1,043,530	1,065,142	1,093,191	1,123,984	1,158,565	1,194,000	1,232,177

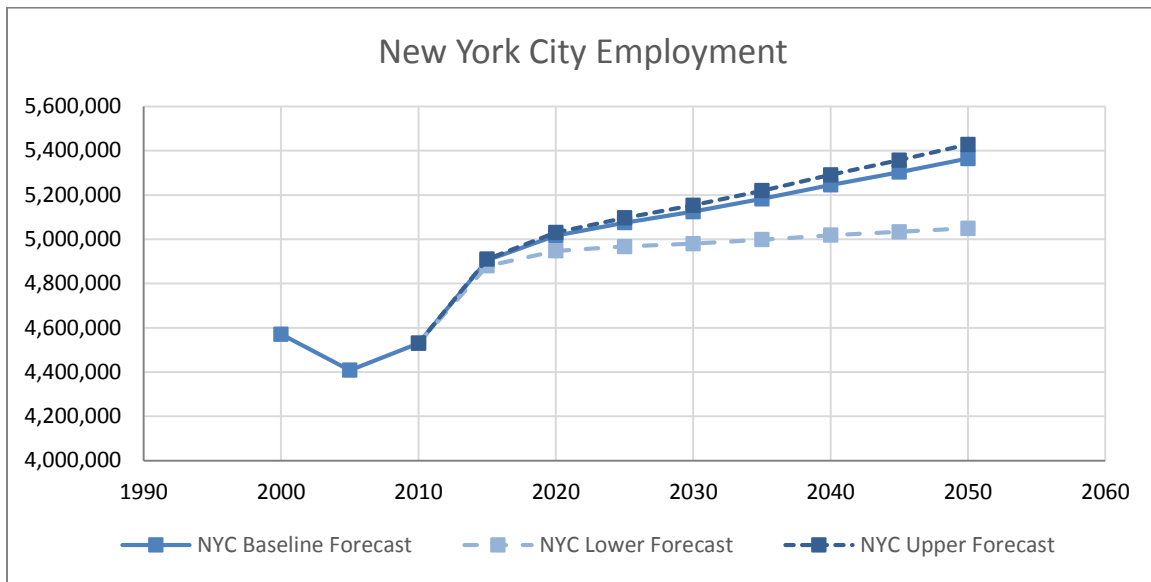
Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

TABLE 2-6. LOWER FORECASTS OF TOTAL EMPLOYMENT

	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	11,026,007	11,314,023	11,693,914	11,957,868	12,050,361	12,135,309	12,268,860	12,401,849	12,518,355	12,637,295
Bronx County	380,917	396,442	412,694	420,304	424,337	428,043	431,715	435,994	438,864	442,060
Kings County	823,738	879,865	919,961	933,125	939,480	944,112	951,341	958,748	964,864	971,062
New York County	2,489,495	2,527,496	2,632,827	2,674,070	2,683,859	2,689,306	2,696,991	2,703,942	2,714,295	2,724,201
Queens County	709,096	740,466	767,505	773,006	771,117	769,697	769,049	770,079	765,915	762,644
Richmond County	126,397	140,164	146,337	147,277	148,259	148,579	148,931	149,246	149,248	149,225
NYC Total	4,529,643	4,684,432	4,879,325	4,947,782	4,967,052	4,979,739	4,998,027	5,018,008	5,033,186	5,049,193
Nassau County	591,002	611,415	624,030	635,445	637,612	640,935	647,864	654,628	661,478	668,456
Suffolk County	636,879	650,850	673,365	690,762	701,881	711,342	722,319	733,019	743,525	754,060
LI Total	1,227,881	1,262,265	1,297,395	1,326,207	1,339,492	1,352,276	1,370,183	1,387,647	1,405,003	1,422,516
Dutchess County	121,400	123,966	124,983	128,301	130,850	133,091	135,694	138,474	141,289	144,284
Orange County	150,982	151,389	153,734	158,443	162,658	166,538	170,724	175,191	179,672	184,354
Putnam County	28,455	29,514	30,075	30,244	30,197	30,011	29,853	29,714	29,612	29,505
Rockland County	116,614	120,151	124,921	129,392	132,623	135,816	139,091	142,116	145,212	148,315
Sullivan County	29,592	27,904	27,704	30,035	31,907	35,011	38,063	41,021	43,991	46,989
Ulster County	70,755	70,623	71,550	72,142	72,311	72,777	73,570	74,291	75,044	75,813
Westchester County	445,188	464,275	473,032	481,928	486,032	488,863	493,710	498,071	502,707	507,400
MH Total	962,986	987,823	1,005,998	1,030,485	1,046,580	1,062,106	1,080,704	1,098,877	1,117,526	1,136,659
Bergen County	455,492	473,677	489,234	501,494	510,450	513,904	521,334	528,109	533,684	539,565
Essex County	402,495	390,181	400,170	414,876	416,227	418,821	426,986	435,865	444,238	453,130
Hudson County	289,912	294,301	312,267	330,940	337,220	342,656	350,577	358,233	365,061	372,125
Hunterdon County	60,652	61,070	61,945	62,864	62,547	62,303	63,267	64,295	65,288	66,389
Mercer County	248,058	249,394	260,377	271,016	275,684	280,756	287,820	294,501	300,550	306,718
Middlesex County	400,069	413,049	421,037	433,852	437,236	441,240	449,161	455,433	458,243	460,087
Monmouth County	288,407	289,440	292,077	298,182	297,305	296,607	300,820	305,474	309,788	314,332
Morris County	307,283	317,168	328,072	336,670	337,156	337,091	339,111	339,913	339,951	339,674
Ocean County	181,413	184,870	189,946	198,395	202,393	205,854	211,268	216,703	221,509	226,099
Passaic County	191,749	200,589	205,086	211,213	214,368	216,986	220,711	224,281	227,663	231,244
Somerset County	188,892	198,389	206,818	213,074	215,160	216,927	220,153	222,607	223,288	223,251
Sussex County	48,291	47,927	49,827	50,770	50,970	51,022	51,380	51,780	52,162	52,593
Union County	250,670	253,360	264,327	272,627	273,542	275,412	279,804	283,713	286,846	290,160
Warren County	39,432	39,481	39,534	40,444	40,711	41,019	41,263	41,525	41,505	41,458
NJ Total	3,352,815	3,412,895	3,520,718	3,636,416	3,670,968	3,700,598	3,763,655	3,822,433	3,869,775	3,916,826
Fairfield County	480,866	493,315	510,490	523,889	529,907	537,957	546,413	556,509	566,729	577,595
Litchfield County	68,435	72,776	71,032	72,871	72,967	73,478	74,170	74,976	75,644	76,359
New Haven County	403,380	400,516	408,957	420,218	423,395	429,154	435,708	443,399	450,492	458,148
CT Total	952,682	966,607	990,478	1,016,978	1,026,269	1,040,589	1,056,291	1,074,884	1,092,864	1,112,102

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

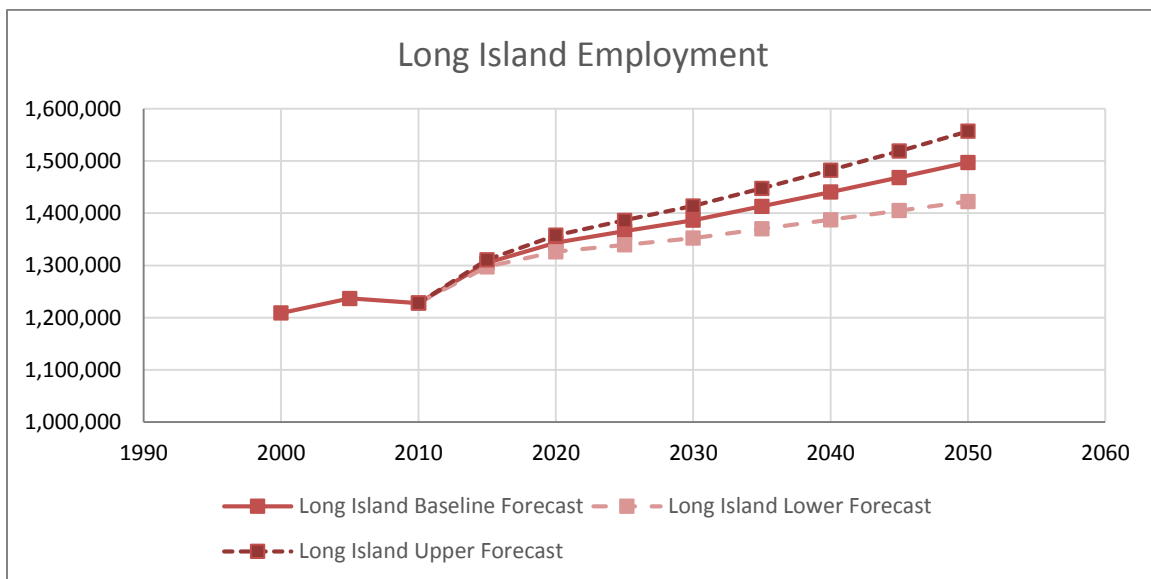
FIGURE 2-6. TOTAL EMPLOYMENT FORECAST RANGES (NEW YORK CITY)



	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
NYC Baseline Forecast	4,570,861	4,408,549	4,529,643	4,904,770	5,017,008	5,074,498	5,124,229	5,182,523	5,244,981	5,303,237	5,364,758
NYC Lower Forecast			4,529,643	4,879,325	4,947,782	4,967,052	4,979,739	4,998,027	5,018,008	5,033,186	5,049,193
NYC Upper Forecast			4,529,643	4,909,859	5,030,853	5,095,987	5,153,127	5,219,422	5,290,376	5,357,247	5,427,871

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

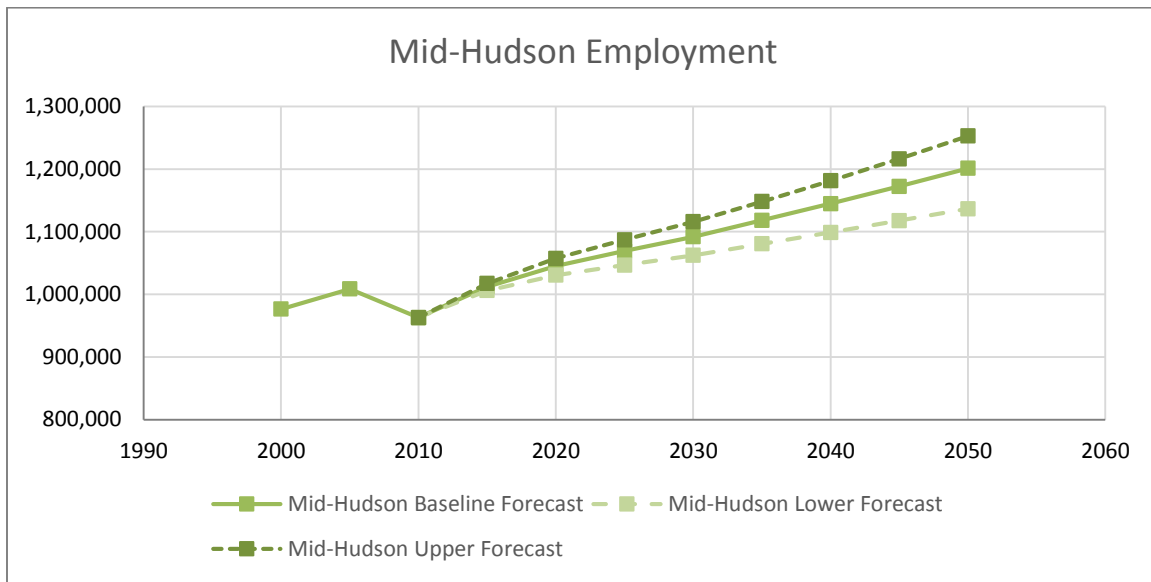
FIGURE 2-7. TOTAL EMPLOYMENT FORECAST RANGES (LONG ISLAND)



	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Long Island Baseline Forecast	1,208,886	1,236,845	1,227,881	1,304,882	1,343,833	1,365,486	1,386,575	1,413,274	1,440,404	1,468,363	1,497,188
Long Island Lower Forecast			1,227,881	1,297,395	1,326,207	1,339,492	1,352,276	1,370,183	1,387,647	1,405,003	1,422,516
Long Island Upper Forecast			1,227,881	1,310,873	1,357,933	1,386,281	1,414,015	1,447,747	1,482,610	1,519,050	1,556,925

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

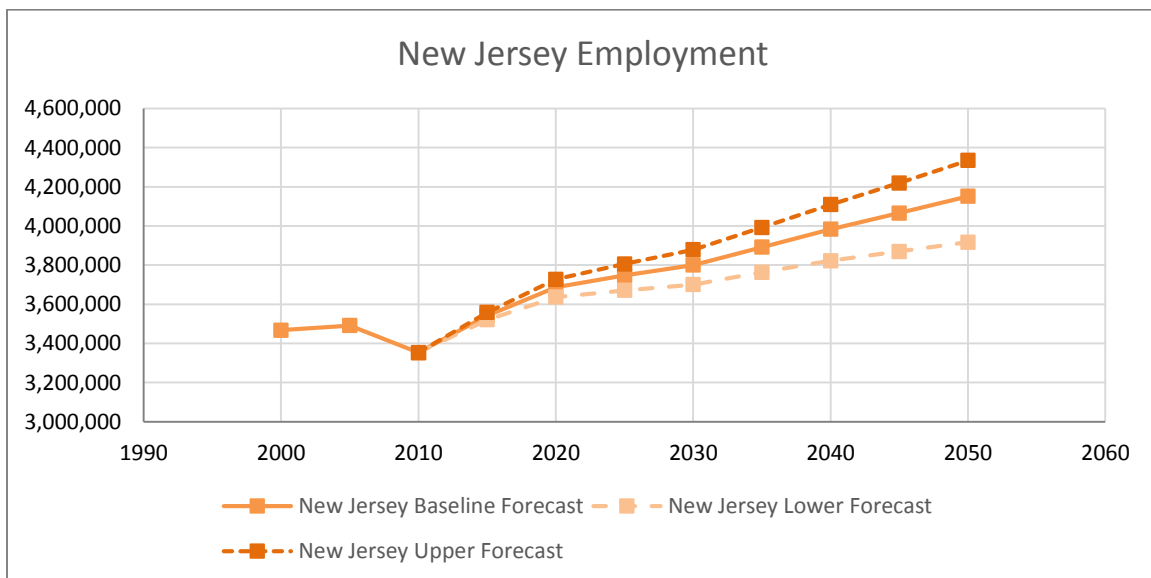
FIGURE 2-8. TOTAL EMPLOYMENT FORECAST RANGES (MID-HUDSON)



	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Mid-Hudson Baseline Forecast	976,397	1,008,721	962,986	1,012,275	1,045,449	1,069,096	1,091,902	1,118,093	1,144,663	1,172,322	1,201,123
Mid-Hudson Lower Forecast			962,986	1,005,998	1,030,485	1,046,580	1,062,106	1,080,704	1,098,877	1,117,526	1,136,659
Mid-Hudson Upper Forecast			962,986	1,017,296	1,057,421	1,087,109	1,115,738	1,148,003	1,181,292	1,216,158	1,252,693

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

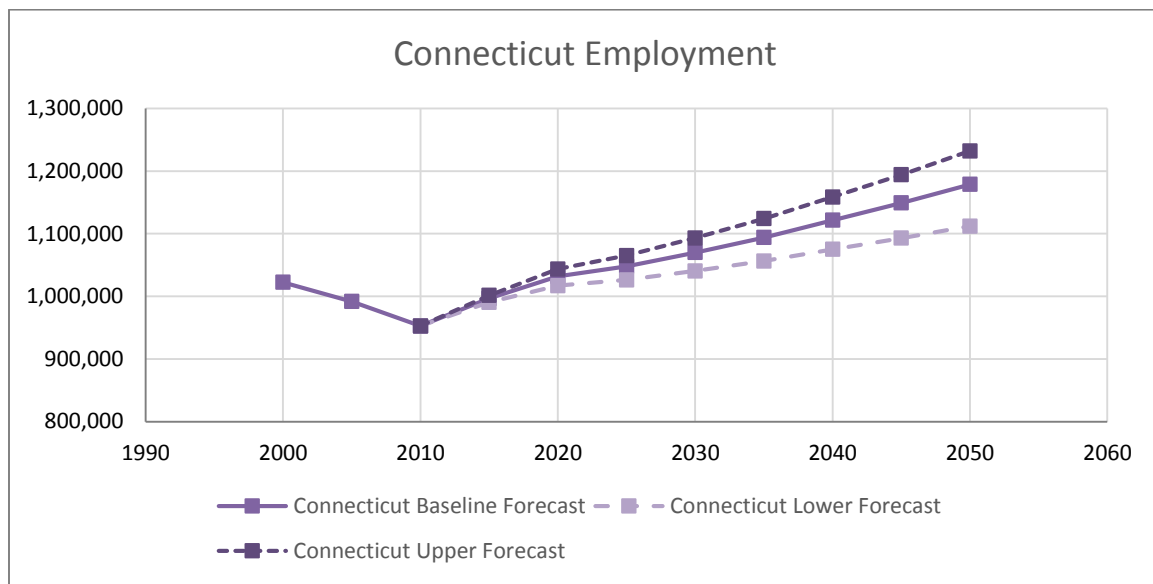
FIGURE 2-9. TOTAL EMPLOYMENT FORECAST RANGES (NEW JERSEY)



	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
New Jersey Baseline Forecast	3,467,669	3,491,596	3,352,815	3,541,938	3,687,618	3,746,703	3,800,475	3,891,880	3,983,470	4,066,131	4,151,423
New Jersey Lower Forecast			3,352,815	3,520,718	3,636,416	3,670,968	3,700,598	3,763,655	3,822,433	3,869,775	3,916,826
New Jersey Upper Forecast			3,352,815	3,558,470	3,727,518	3,805,706	3,878,329	3,991,921	4,109,237	4,219,608	4,334,921

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

FIGURE 2-10. TOTAL EMPLOYMENT FORECAST RANGES (CONNECTICUT)



	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Connecticut Baseline Forecast	1,022,464	991,672	952,682	996,545	1,031,729	1,047,865	1,069,812	1,093,898	1,121,373	1,149,051	1,178,811
Connecticut Lower Forecast			952,682	990,478	1,016,978	1,026,269	1,040,589	1,056,291	1,074,884	1,092,864	1,112,102
Connecticut Upper Forecast			952,682	1,001,399	1,043,530	1,065,142	1,093,191	1,123,984	1,158,565	1,194,000	1,232,177

Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

2.3.3 Upper and Lower Forecast Validation

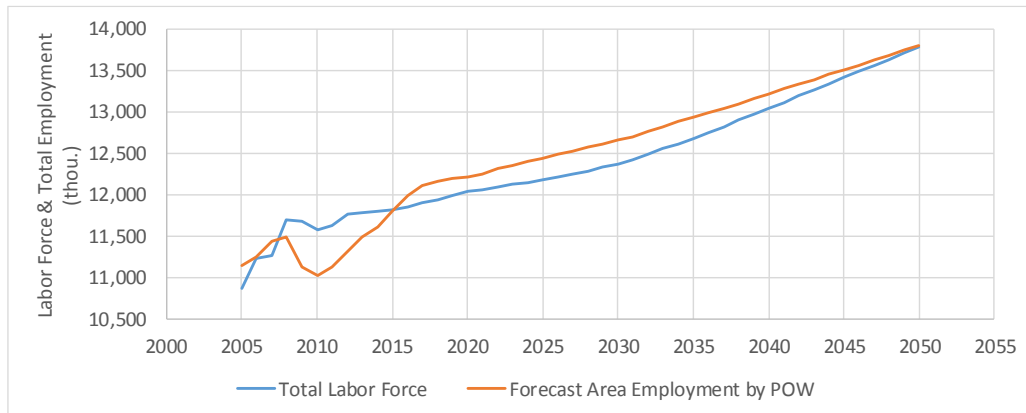
A final step in the validation of upper and lower forecasts was to verify that place-of-work employment estimates were reasonable in the context of place-of-residence labor force estimates. This validation was done in the same manner as with the baseline forecasts – as described in Section 2.2.3.

As expected given the economic-demographic links underpinning the forecasting methodology, Figure 2-11 and Figure 2-12 show that the aggregate labor force balance for the upper and lower forecasts through the end of the forecast period. These demonstrate that at the regional level, adjustments made to the employment and demographic forecasts are roughly symmetric, so that the regional ratio of jobs to labor force remains broadly consistent for each.

At the subregion level, the final point of validation of place-of-work and place-of-residence employment is balancing Journey-to-Work (JTW) flows (Figure 2-13 and Figure 2-14). Both figures can be compared to the equivalent point of validation for the baseline forecast (Figure 2-3).

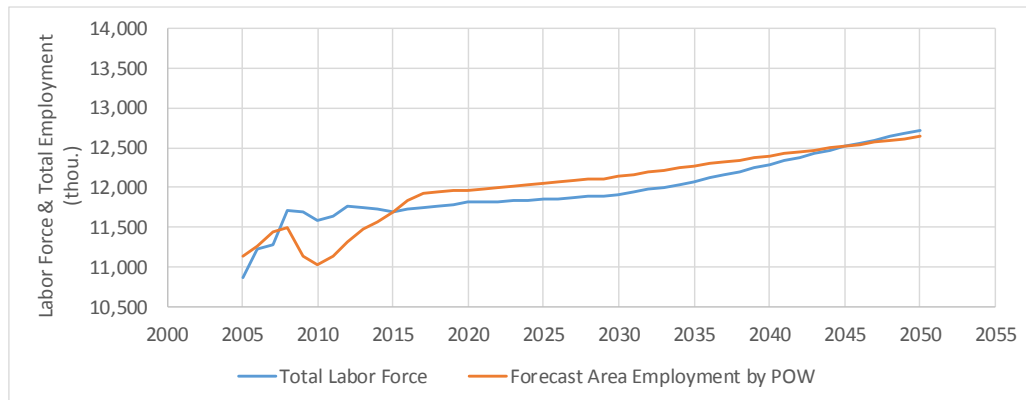
In the case of the upper forecasts, the commuting trends presented in Figure 2-13 appear to similar to those observed from the baseline forecasts as should be expected given the same underlying dynamics of economic migrants to the region settling in the commuting counties outside of New York City due to housing capacity constraints within the five boroughs. Due to the lower number of economic migrants attracted into the region in the lower forecasts, the commuting trends presented in Figure 2-14 do not continue the trend of increasing New York City and Manhattan commuting shares originating from the surrounding subregions.

FIGURE 2-11. 31-COUNTY REGION LABOR FORCE BALANCE (UPPER FORECAST)



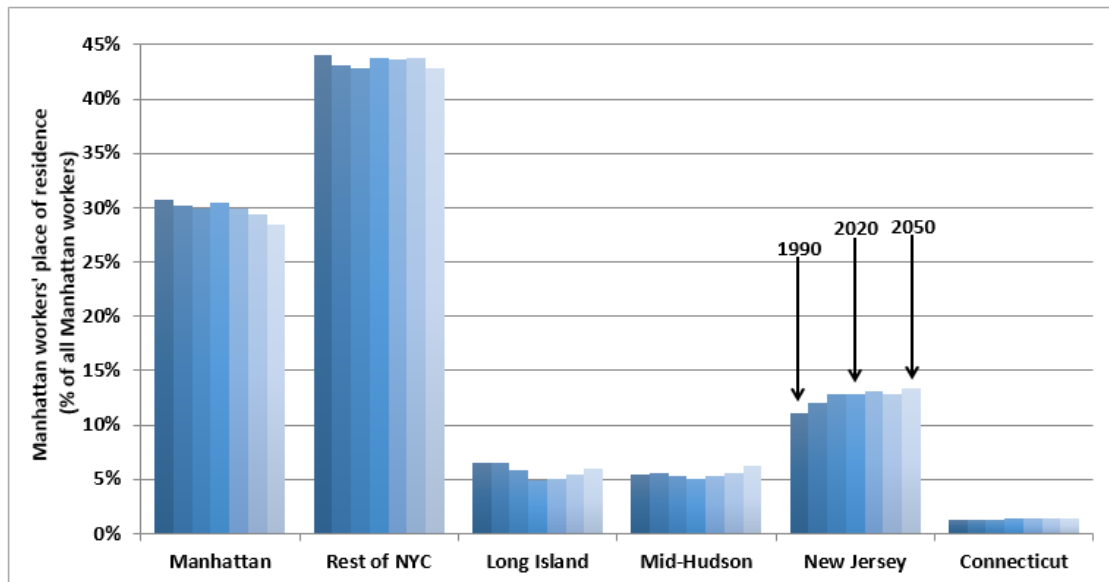
Source: American Community Survey; NYMTC 2050 SED Forecasts

FIGURE 2-12. 31-COUNTY REGION LABOR FORCE BALANCE (LOWER FORECAST)



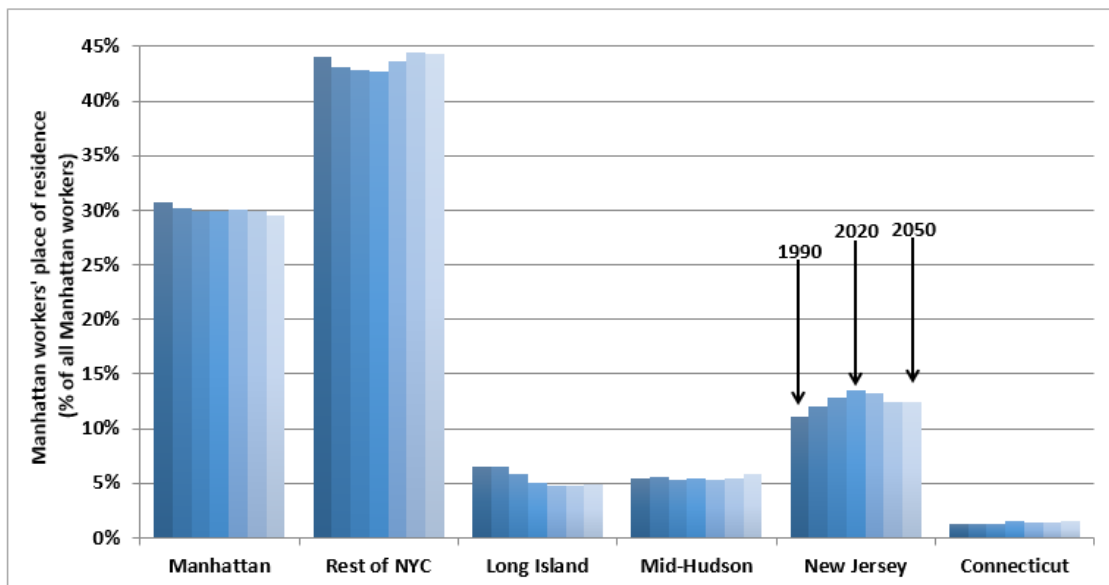
Source: American Community Survey; NYMTC 2050 SED Forecasts

FIGURE 2-13. SUMMARY OF UPPER FORECAST JOURNEY-TO-WORK TRENDS (1990-2050)



Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

FIGURE 2-14. SUMMARY OF LOWER FORECAST JOURNEY-TO-WORK TRENDS (1990-2050)



Source: Bureau of Labor Statistics' Current Employment Statistics (CES) and Quarterly Census of Employment and Wages (QCEW); American Community Survey (ACS); NYMTC 2050 SED Forecasts

2.4 Comparison of Baseline Forecasts

The baseline forecasts presented above were evaluated against projections generated from the previous NYMTC 2040 regional forecasting effort, as well as comparable independent forecasts obtained from other relevant sources.

2.4.1 Comparison to Previous NYMTC 2040 SED Forecasts

When comparing the current 2050 SED forecasts to the 2040 SED forecasts, it is important to note that differences can arise from three sources: (1) differences in scope and source of historical employment data, (2) differences in release date, and (3) differences in methodology.

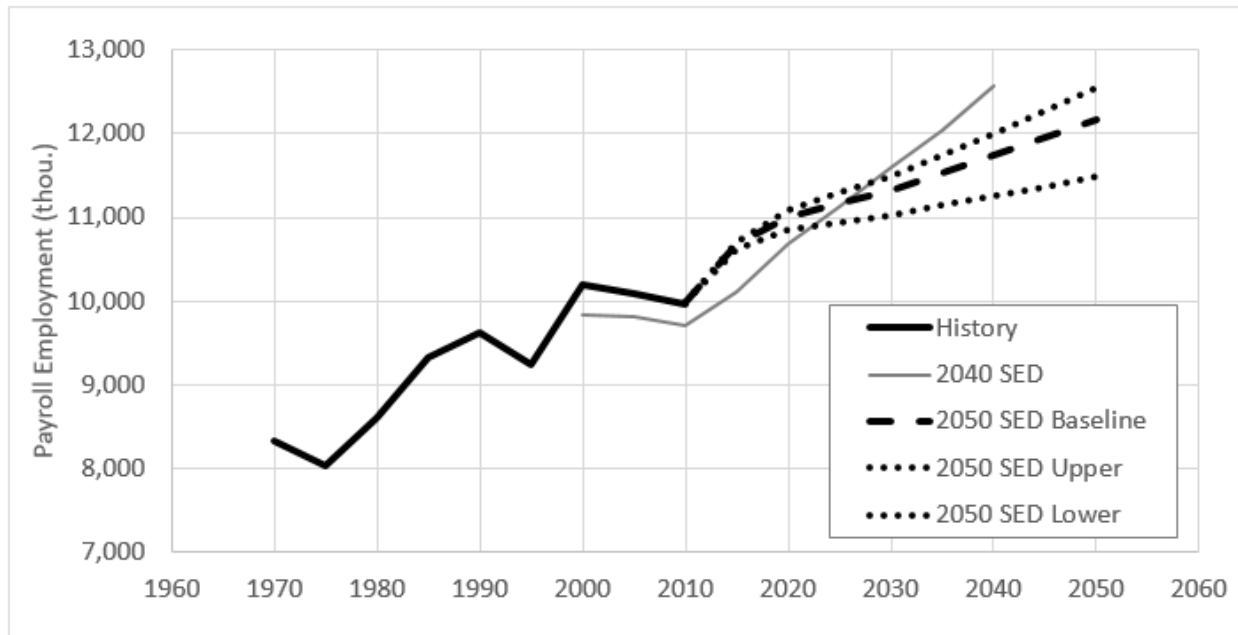
In fact, a significant portion of the differences between the two efforts arise from the first point. In contrast to population, where the U.S. Census Bureau is almost always the primary source of data, employment data is typically compiled from numerous sources because no single source is acknowledged to be the most unbiased and comprehensive. This is particularly true at the county level. Moreover, several additional years of American Community Survey (ACS) were available with the 2050 release, allowing for a more comprehensive benchmarking process than was not possible even five years previously.

As a result, the 2050 SED forecasts are based on historical employment series that in some cases differ substantially from the 2040 historical estimates – even for overlapping historical periods. There are two main differences. The first is that the 2050 payroll employment series went through a rigorous benchmarking process to account for “headquartering bias” in Quarterly Census of Employment and Wages (QCEW) data (see the *Modeling Methodology* Technical Memorandum for a detailed explanation of this process). This adjustment process had a dramatic effect on some counties – for example, increasing Brooklyn payroll employment by over 300,000 jobs relative to QCEW.

The second main difference was that the 2050 SED self-employment forecasts were based on ACS estimates, whereas the 2040 effort was based on Bureau of Economic Analysis (BEA) estimates of “proprietor” employment. The latter have been shown to have significant bias. BEA estimates proprietor employment by assuming one proprietor for every tax filing of sole proprietorships and limited partnerships. Filings for these types of establishments have risen dramatically over the last decade (5 percent per year on average). As a result, BEA assumed that proprietor employment has risen at the same rate. Comparisons with the American Community Survey and the Current Population Survey suggest that self-employment rates have actually remained more stable over the period, suggesting that it is the BEA estimate which is biased.

As a result of these differences, a direct comparison of the 2040 and 2050 SED forecasts is not really applicable – especially for self-employment (and therefore total employment). The only comparable forecast series is payroll employment and differences between historical county estimates make subregional comparisons difficult. Nonetheless, a comparison of payroll employment forecasts for the total 31-County Forecast area is more reasonable and this evaluation (Figure 2-15) shows a small difference in employment definition in the historical series. If an adjustment is made to account for this difference, the 2040 forecast compares well with the 2050 forecast through about 2025. Beyond 2025, the 2040 SED trend is more aggressive than that projected by the more recent effort that looks to return to long-run historical growth rates.

FIGURE 2-15. 31-COUNTY REGION COMPARISON OF PAYROLL EMPLOYMENT FORECASTS (2040 Vs. 2050)



Source: NYMTC 2040 SED Forecasts; NYMTC 2050 SED Forecasts

2.4.2 Comparison to Other Forecasts

One of the primary goals of the averaging process used to establish the 2050 SED forecasts was to incorporate as much information as possible from well-established sources. Nonetheless, there were a few forecast developed by outside organizations that were not incorporated into the present methodology because they did not cover the entire 31-County Forecast Area. Primary among these are the ten-year forecasts published by New Jersey Department of Labor (NJDOl). Table 2-7 compares the NJDOl payroll employment forecasts to the equivalent 2050 SED forecasts.

This table shows that, as with the comparison to the NYMTC 2040 SED forecasts discussed in the preceding section, the benchmarking process created some minor variation in payroll employment levels for the historical year (2012). Despite this, it also demonstrates that while there is some minor variation among counties, overall, the forecasts are very similar in nature, differing by only 0.1 percent at the 14-county total (as measured by the avg. annual growth rate). The largest single difference among counties is Hudson County, which the 2050 SED forecasts projects to grow rather quickly between 2012 and 2022, whereas NJDOl projects growth more in line with the 14-county average.

TABLE 2-7. COMPARISON OF NJ DOL PAYROLL EMPLOYMENT TO NYMTC SED FORECASTS

County	2050 SED Baseline Forecast			New Jersey Dept. of Labor		
	2012	2022	Avg. Ann. Growth	2012	2022	Avg. Ann. Growth
Bergen	424,198	465,123	1.0%	479,950	525,800	1.0%
Essex	361,769	389,824	0.8%	384,950	406,700	0.6%
Hudson	274,478	315,184	1.5%	261,600	280,600	0.7%
Hunterdon	53,615	57,165	0.7%	52,800	55,450	0.5%
Mercer	235,685	261,256	1.1%	261,500	281,650	0.8%
Middlesex	386,535	415,287	0.7%	434,500	469,950	0.8%
Monmouth	259,787	273,156	0.5%	275,550	300,050	0.9%
Morris	290,935	315,419	0.8%	308,850	337,200	0.9%
Ocean	161,271	180,348	1.2%	166,450	181,100	0.9%
Passaic	183,006	198,384	0.8%	190,200	203,600	0.7%
Somerset	182,903	201,325	1.0%	193,850	214,300	1.1%
Sussex	41,445	44,956	0.8%	42,000	44,800	0.7%
Union	234,947	256,178	0.9%	247,400	268,000	0.8%
Warren	35,304	37,346	0.6%	38,750	41,450	0.7%
Total	3,125,878	3,410,949	0.9%	3,338,350	3,610,650	0.8%

3.0 POPULATION FORECASTS

3.1 Methodological Overview

As indicated in the *Modeling Methodology* Technical Memorandum, the 31-County population forecasts were generated from two separate models developed by DCP and Louis Berger, respectively. Both models employed disaggregate cohort component (CC) forecast methods as the primary basis of the population forecasts. The CC model is based on the premise that the population can be broken down into two main components; natural increase comprising births and deaths added and subtracted respectively from a base population reference, and migration that is either added or subtracted depending on whether there is net positive or negative in and out migration. The CC approach can simply be represented as follows:

$$\text{Projected Population (P}_1\text{)} = \text{Base Population (P}_0\text{)} + \text{Births} - \text{Deaths} + \text{Net Migration}$$

The CC method is commonly used in several demographic studies and employs detailed age and sex data from the U.S. Census Bureau. The base year population is stratified by sex into 18 age cohorts; the first 17 which represent 5 year groupings e.g. ages 0-4, 5-9, 10-14...80-84, and a final open cohort of persons 85 and older. Age-specific fertility rates (by age group) are applied to the female population of child bearing age cohorts to generate an estimate of births during each five year interval of the 2050 projection horizon. Similarly, age-specific survival rates are also applied to each age group to generate estimates of the survived population in each successive five year time increment. The estimated volume of net migration (both in and out migration) is added to the survived population based on historically observed age-specific patterns of migration.

3.1.1 Population Projections – New York City Only

The CC method applied by DCP for the New York City subregion is a purely demographic method, meaning that it responds solely to changes in assumptions about fertility, mortality, and migration. Given the region's high levels of development and the existing population density, the resulting outputs obtained from the pure CC process are also evaluated in the context of the city's planning environment and reconciled against anticipated land use and associated capacity constraints.

The Project Team needed to ensure that the population and housing projected in this analysis could be reasonably accommodated, given the city's current land use and zoning. Crude migration rates initially derived from the CC process were adjusted from 2010 to 2020 based on an approach that examined actual housing data that exists for part of the 2010-2020 period. A 2020 housing target was created that used three inputs from the NYC Department of Buildings:

- New building permits with residential units (issued between 2005 and 2012)
- Demolition permits for residential buildings (issued between 2005 and 2012)
- Certificates of Occupancy (C of Os) for residential units (issued between 2005 and 2013)

The planning component associated with long term (2040-2050 horizon), consisted of four categories of opportunities for future growth.

- DCP initiatives/re-zonings
- Large private applications
- Large public site projects
- Areas of opportunity and background growth

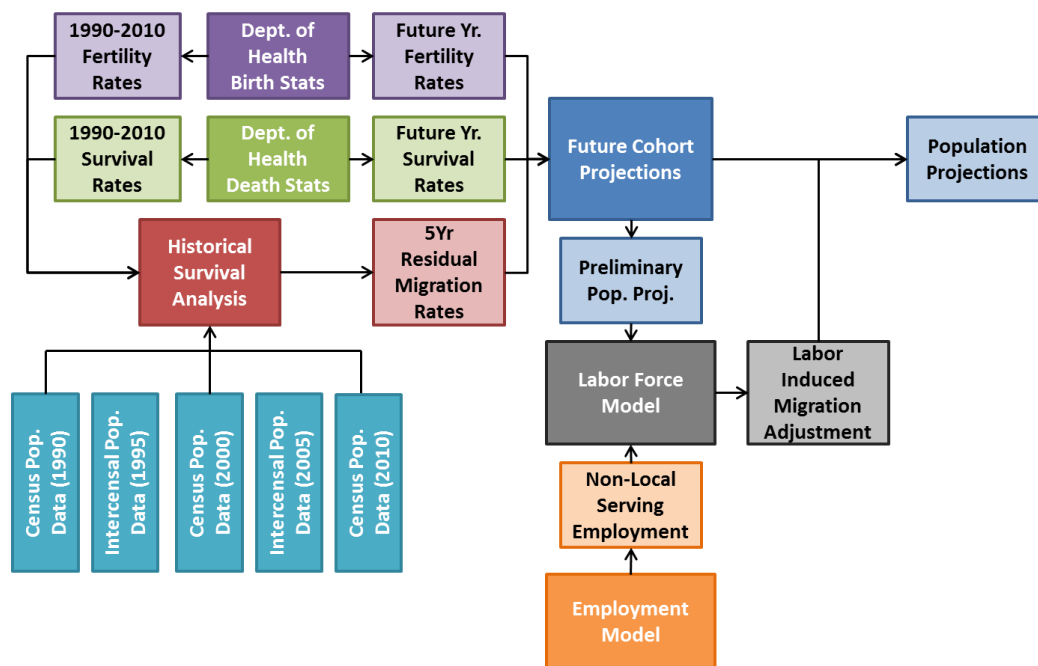
The analysis considered constraints in the boroughs that could prevent growth from occurring including carrying capacity of the infrastructure (existing water supply and sewer capacity); land development needs of public facilities, including schools, parks, libraries, police, and fire departments; and zoning that prohibits residential development.

3.1.2 Population Projections – 26 County Region

The CC method applied for this geography, employs a demographic-economic method. Similar to the pure demographic approach applied to the New York City region, this approach tracks population changes due to components of natural increase (births and deaths) as well as net migration. The primary difference between this approach and that used to generate the population projections of only New York City, is that the migration component of change also accounts for impacts to migration flows due to labor induced net migration adjustments that are linked to projected employment demand.

The demographic-economic model allows migration patterns to fluctuate depending on the demand for labor in the local economy. Thus, in a demographic-economic model, the total net migration serves as a nexus between population and employment. Figure 3-1 represents a summary overview of the structure of this cohort component model that shows the links to both the Employment and Labor Force models.

FIGURE 3-1. 26-COUNTY REGION POPULATION PROJECTION METHODOLOGY



The net migration component of the cohort component model is comprised of two inter-related elements as broadly represented below:

$$\text{Total Net Migration} = \text{Historical Residual Migration} + \text{Labor Induced Migration Adjustment (LIMA)}$$

The net migration estimates in the 26-County model are initially calculated in a similar manner to that described for the New York City model, and represent residuals from a forward survival analysis conducted in five year intervals between 1990 and 2010.

In the 31-county region and other areas with a strong and varied employment base, a primary determinant of net migration is labor force demand. Extending upon the pure demographic model, which relies on historical residual migration rates, the demographic-economic model allows migration patterns to fluctuate depending on the demand for labor in the local economy. Labor induced migration reflects the residual required to balance labor demand (available jobs) and labor supply (labor force) after accounting for net commutation and unemployment.

Although represented as two distinct components in the above expression, total net migration should be conceptually viewed as a single fluid phenomenon with complementary interactions between both components. The historical residual rates of migration, include economic migrants but can only represent the relationship between population and employment in a historic sense. The balancing of future labor supply and demand in this process is intended to align population growth in some correspondence with future employment growth that may proceed in a manner distinct from historical experience.

The preliminary population projections of each county carried into the Labor Force Model as indicated in Figure 3-1, comprised the natural increase components of births and deaths, as well as a net migration estimate representing the average rate of historical net migration. The resulting population forecasts derived from the combination of the initial historical residual rate, plus labor induced migration adjustments, were further adjusted (if required) to address feedback received from the FWG with respect to land use constraints and/or other relevant considerations of future growth trajectories.

The labor induced migration adjustment calculation included an explicit accounting of land use constraints – particularly in New York City, where a rigorous evaluation of housing capacity was conducted as previously discussed. The Project Team in consultation with the FWG, concluded that employment driven attraction to New York City, should not be limited by the land use/housing constraints implied by the detailed analysis conducted by the Project Team. Therefore, the volume of total economic migrants (workers and dependents) that could not be accommodated within New York City were re-allocated to the surrounding commuting shed in proportion to commuting patterns currently observed in recent data.

A more detailed discussion of the entire methodology driving the 26-County Region population forecasts can be found in the Modeling Methodology Technical Memorandum.

3.2 Baseline Forecast Results

The population levels in the entire 31-County Forecast Region are expected to increase by approximately 3.9 million between 2010 and 2050 as shown in Table 3-1, with New Jersey projected to grow by approximately 1.5 million residents in that 40-year forecast horizon, while New York City grows by approximately 900,000. The projected compounded annual growth rates (CAGRs) are generally lower than those observed for the same set of subregions in the 1990-2010 history.

Figure 3-2 shows the Mid-Hudson subregion to be the fastest growing subregion in comparison to the other four. Mid-Hudson is predicted to grow by more than 26 percent over the 40-year time frame. Conversely, New York City is initially projected to grow at a rate similar to the regional average before tailing off to 11 percent total growth over the remaining course of the forecast horizon as housing capacity constraints increasingly affect the ability to accommodate more growth.

Both the New Jersey and Connecticut subregions trace a similar growth trajectory that results in a 2010-2050 population increase of approximately 20 percent each. The projected pace of growth in Long Island subregion initially lags behind the four other subregions, but eventually picks up in the latter half of the forecast horizon. This shift is largely due to increased population settlement resulting from land use and

housing constraints in NYC pushing labor induced migrants into the suburban commuting sheds of the Forecast Region.

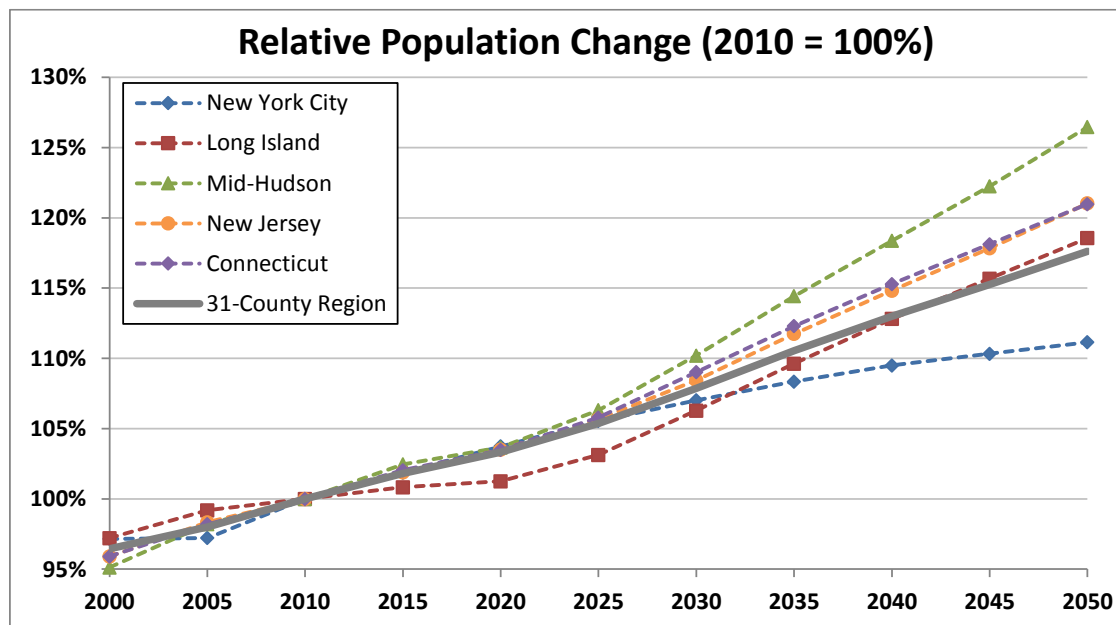
Table 3-2 provides a county level breakdown of the population projections for the 31-County Region. This table generally shows that the projected population growth rates between 2010 and 2050 will be slightly lower than those observed between the 1990 to 2010 time period for a number of reasons that vary on an individual county basis (aging populations, land use constraints, etc). A detailed county-level breakdown of the population forecasts by age and sex is presented in Appendix A.

TABLE 3-1. TOTAL POPULATION FORECAST SUMMARY

Region	1990	2010	2050	1990-2010			2010-2050		
				Difference	CAGR		Difference	CAGR	
New York City	7,567,347	8,242,624	9,161,020	675,277	8.9%	0.43%	918,396	11.1%	0.26%
Long Island	2,609,212	2,832,882	3,358,559	223,670	8.6%	0.41%	525,677	18.6%	0.43%
Mid-Hudson	2,025,972	2,290,851	2,896,974	264,879	13.1%	0.62%	606,123	26.5%	0.59%
New Jersey	6,079,453	6,946,420	8,406,830	866,967	14.3%	0.67%	1,460,410	21.0%	0.48%
Connecticut	1,805,956	1,969,233	2,382,367	163,277	9.0%	0.43%	413,134	21.0%	0.48%
31 County Region	20,087,940	22,282,010	26,205,750	2,194,070	10.9%	0.52%	3,923,740	17.6%	0.41%

Source: U.S. Census; DCP Adjusted NYC values for 1990 and 2010; NYMTC 2050 SED Forecasts

FIGURE 3-2. SUMMARY OF SUBREGIONAL GROWTH RATES



Source: U.S. Census; DCP Adjusted NYC values for 2010; NYMTC 2050 SED Forecasts

New York City is projected to grow from 8.24 million persons in 2010 to 9.16 million in 2050, an increase of 918,000 or 11.1 percent. In 2010-2020, the first decade of the projection, New York City's population is projected to increase by 3.7 percent, but growth is expected to slow to 3.2 percent in the following decade, with the population reaching 8.82 million in 2030. Between 2030 and 2040, the City's population is projected to grow 2.3 percent, to 9.03 million, and 1.5 percent in the following decade, reaching 9.16 million in 2050.

The population forecasts of the five New York City boroughs rely on a cohort component model that is also informed by an independent land use evaluation process briefly described in the introduction to this

section. While the results show an overall increase in the city's population of 11.1 percent between 2010 and 2050, growth will be highest in the Bronx (16.9 percent) and Brooklyn (13.5 percent). The other boroughs are projected to grow 8.4 percent in Queens and about seven percent each in Manhattan and Staten Island. In general, the city's population grows over time, though at a decreasing rate. The higher growth rates in the Bronx and Brooklyn are sustained through 2030, after which they begin to decrease. For Queens, Manhattan and Staten Island, growth is less rapid after 2020.

TABLE 3-2. TOTAL POPULATION FORECAST

	1990	2000	2010	2012	2020	2030	2040	2050	1990-2010			2010-2050		
									Difference		CAGR	Difference		CAGR
FORECAST REGION	20,087,940	21,491,898	22,282,010	22,476,367	23,021,904	24,035,904	25,179,090	26,205,750	2,194,070	10.92%	0.52%	3,923,740	17.61%	0.41%
Bronx County	1,265,771	1,332,650	1,385,108	1,408,473	1,446,788	1,518,998	1,579,245	1,619,344	119,337	9.43%	0.45%	234,236	16.91%	0.39%
Kings County	2,389,150	2,465,326	2,552,911	2,565,635	2,648,452	2,754,009	2,840,525	2,898,080	163,761	6.85%	0.33%	345,169	13.52%	0.32%
New York County	1,541,446	1,537,195	1,585,873	1,619,090	1,638,282	1,676,720	1,691,617	1,701,598	44,427	2.88%	0.14%	115,725	7.30%	0.18%
Queens County	1,992,003	2,229,379	2,250,002	2,272,771	2,330,295	2,373,551	2,412,649	2,438,647	257,999	12.95%	0.61%	188,645	8.38%	0.20%
Richmond County	378,977	443,728	468,730	470,728	487,155	497,749	501,109	503,351	89,753	23.68%	1.07%	34,621	7.39%	0.18%
New York City Total	7,567,347	8,008,278	8,242,624	8,336,697	8,550,972	8,821,027	9,025,145	9,161,020	675,277	8.92%	0.43%	918,396	11.14%	0.26%
Nassau County	1,287,348	1,334,544	1,339,532	1,345,337	1,355,496	1,423,052	1,530,074	1,627,374	52,184	4.05%	0.20%	287,842	21.49%	0.49%
Suffolk County	1,321,864	1,419,369	1,493,350	1,496,887	1,513,038	1,587,892	1,665,742	1,731,185	171,486	12.97%	0.61%	237,835	15.93%	0.37%
Long Island Total	2,609,212	2,753,913	2,832,882	2,842,225	2,868,534	3,010,943	3,195,816	3,358,559	223,670	8.57%	0.41%	525,677	18.56%	0.43%
Dutchess County	259,462	280,150	297,488	299,136	304,729	320,840	337,270	351,790	38,026	14.66%	0.69%	54,302	18.25%	0.42%
Orange County	307,647	341,367	372,813	378,097	398,517	442,618	493,501	545,140	65,166	21.18%	0.97%	172,327	46.22%	0.95%
Putnam County	83,941	95,745	99,710	99,859	100,499	103,703	108,281	111,425	15,769	18.79%	0.86%	11,715	11.75%	0.28%
Rockland County	265,475	286,753	311,687	316,458	327,825	351,090	380,097	409,244	46,212	17.41%	0.81%	97,557	31.30%	0.68%
Sullivan County	69,277	73,966	77,547	77,661	78,031	81,811	86,639	91,596	8,270	11.94%	0.57%	14,049	18.12%	0.42%
Ulster County	165,304	177,749	182,493	183,535	187,082	192,973	196,231	197,651	17,189	10.40%	0.50%	15,158	8.31%	0.20%
Westchester County	874,866	923,459	949,113	958,682	978,138	1,031,391	1,109,678	1,190,128	74,247	8.49%	0.41%	241,015	25.39%	0.57%
Mid-Hudson Total	2,025,972	2,179,189	2,290,851	2,313,428	2,374,821	2,524,425	2,711,696	2,896,974	264,879	13.07%	0.62%	606,123	26.46%	0.59%
Bergen County	825,380	884,118	905,116	914,564	936,513	970,411	1,011,159	1,053,154	79,736	9.66%	0.46%	148,038	16.36%	0.38%
Essex County	778,206	793,633	783,969	786,496	801,211	838,992	885,615	938,104	5,763	0.74%	0.04%	154,135	19.66%	0.45%
Hudson County	553,099	608,975	634,266	646,466	678,229	725,532	784,871	845,787	81,167	14.67%	0.69%	211,521	33.35%	0.72%
Hunterdon County	107,776	121,989	127,351	127,596	128,043	129,636	133,892	136,100	19,575	18.16%	0.84%	8,749	6.87%	0.17%
Mercer County	325,824	350,761	367,511	369,505	381,601	412,144	448,857	484,790	41,687	12.79%	0.60%	117,279	31.91%	0.69%
Middlesex County	671,780	750,162	809,858	817,621	845,251	886,904	942,881	993,675	138,078	20.55%	0.94%	183,817	22.70%	0.51%
Monmouth County	553,124	615,301	630,380	630,805	635,267	645,133	662,606	678,320	77,256	13.97%	0.66%	47,940	7.60%	0.18%
Morris County	421,353	470,212	492,276	495,573	510,334	520,708	527,355	531,824	70,923	16.83%	0.78%	39,548	8.03%	0.19%
Ocean County	433,203	510,916	576,567	580,234	603,675	656,592	727,411	785,549	143,364	33.09%	1.44%	208,982	36.25%	0.78%
Passaic County	453,060	489,049	501,226	503,092	515,359	545,994	584,980	630,541	48,166	10.63%	0.51%	129,315	25.80%	0.58%
Somerset County	240,279	297,490	323,444	326,544	334,507	344,461	359,896	376,033	83,165	34.61%	1.50%	52,589	16.26%	0.38%
Sussex County	130,943	144,166	149,265	149,478	151,005	152,028	156,225	158,637	18,322	13.99%	0.66%	9,372	6.28%	0.15%
Union County	493,819	522,541	536,499	541,564	557,963	590,331	633,168	675,650	42,680	8.64%	0.42%	139,151	25.94%	0.58%
Warren County	91,607	102,437	108,692	109,168	110,760	113,764	117,200	118,669	17,085	18.65%	0.86%	9,977	9.18%	0.22%
New Jersey Total	6,079,453	6,661,750	6,946,420	6,998,707	7,189,718	7,532,631	7,976,116	8,406,830	866,967	14.26%	0.67%	1,460,410	21.02%	0.48%
Fairfield County	827,645	882,567	916,829	926,353	948,901	995,809	1,060,727	1,123,422	89,184	10.78%	0.51%	206,593	22.53%	0.51%
Litchfield County	174,092	182,193	189,927	190,067	191,032	194,590	197,942	199,140	15,835	9.10%	0.44%	9,213	4.85%	0.12%
New Haven County	804,219	824,008	862,477	868,890	897,926	956,479	1,011,647	1,059,804	58,258	7.24%	0.35%	197,327	22.88%	0.52%
Connecticut Total	1,805,956	1,888,768	1,969,233	1,985,310	2,037,859	2,146,877	2,270,317	2,382,367	163,277	9.04%	0.43%	413,134	20.98%	0.48%

Source: U.S. Census; DCP Adjusted NYC values for 1990 and 2010; NYMTC 2050 SED Forecasts

A number of counties such as Nassau, Westchester and Hudson that contribute almost 50 percent of outside commuters into NYC, are projected to maintain or exceed the 1990-2010 CAGR over the forecast horizon, due in part, to the NYC land use and capacity constraint issues and resulting commuter led growth previously described. New economic migrants that are attracted into the Forecasting Region but cannot be accommodated as residents in the five New York City boroughs, are anticipated to settle into the commuting suburbs in line with recently observed trends of growing commuting shares from the surrounding ring of counties.

Long Island is projected to grow at a slightly faster rate than in the previous two decades (1990-2010) largely due to the anticipated growth in Nassau County. Outside of New York City, Nassau County contributes the highest proportion of commuters into the City and its growth trajectory is largely influenced by the anticipated housing capacity constraints in New York City as it appears to be the preferred commuting location of most non-New York City commuters.

The Mid-Hudson subregion as a whole is projected to grow at a rate very similar to that observed over the 1990-2010 time frame; however this trend is driven largely by the increase in the rate of growth in Westchester County that is the largest in the subregion. Excluding Westchester County, the remaining Mid-Hudson subregion counties are projected to experience noticeable reductions in annual average growth rates over the forecast horizon with the exception of Orange and Rockland, which have noticeably higher fertility rates than the rest of counties in this subregion. Similar to Nassau, the growth in Westchester, is driven in part by the land use capacity constraints in New York City.

New Jersey is forecast to have similar general reductions in population growth rates over time with the notable exception of Essex County. Although Essex County has previously shown declines in population dating back to 1970, recent trends observed in U.S. Census population estimates show a remarkable turnaround within the last eight years that is projected to continue into the future. The very high growth rates recently experienced by Ocean County in New Jersey – due to high fertility rates, and migration particularly of seniors and retirees – are expected to slow down significantly due to land use restrictions; the lower 0.78 percent annual rate growth is still projected to hold as the highest rate within the subregion.

The Connecticut subregion is projected to grow at a slightly higher rate than the 1990-2010 time period, largely due to increases in New Haven that were informed by the commutation outlook, as well as other input from relevant FWG members and stakeholders.

3.3 Upper and Lower Forecast Ranges

3.3.1 Upper and Lower Forecast Methodology

Similar to employment forecasting uncertainty, the goal of the upper and lower forecasts was to explore possible future population levels above and below the baseline forecast. Given that births and deaths are generally stable components of population change, migration (specifically the labor induced component) is the primary determinant of uncertainty with respect to population.

Because the change in the migration component is heavily dependent on employment levels in the forecasting process, and given the directionality of the relationship between employment and population in the forecasting process (i.e. that employment is an input into the population model), the process of developing upper and lower population forecasts simply applied the deviations from baseline employment, and subsequently drove corresponding deviations in baseline population through alternative migration estimates.

In re-estimating the labor induced component of migration for the upper and lower forecasts, alternative assumptions regarding the housing capacity limitation of New York City were also applied. The baseline population forecasts for NYC were developed with a detailed analysis of housing available to accommodate future growth. The upper and lower forecasts presented in this document were developed using a + 2 percent and -1 percent change in the 2050 NYC baseline population estimates.

3.3.2 Upper and Lower Forecast Results

Table 3-3 and Table 3-4 respectively show the Upper and Lower Forecasts resulting from the process described in the previous section. At the 31-County level, the 2050 upper forecast is about 3.3 percent higher than baseline, and the lower forecast is about 4.8 percent below baseline. Figure 3-3 through Figure 3-7 provide more detailed comparisons of the upper and lower forecasts versus the baseline forecasts for each subregion.

TABLE 3-3. UPPER FORECASTS OF TOTAL POPULATION

	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	22,282,010	22,476,367	22,866,702	23,270,573	23,792,720	24,414,633	25,081,840	25,707,010	26,288,164	26,894,858
Bronx County	1,385,108	1,408,473	1,444,040	1,475,724	1,514,981	1,549,378	1,581,502	1,610,830	1,631,589	1,651,731
Kings County	2,552,911	2,565,635	2,654,901	2,701,421	2,760,371	2,809,089	2,855,334	2,897,336	2,927,724	2,956,042
New York County	1,585,873	1,619,090	1,642,911	1,671,048	1,694,805	1,710,254	1,720,018	1,725,449	1,729,386	1,735,630
Queens County	2,250,002	2,272,771	2,335,279	2,376,901	2,400,500	2,421,022	2,442,240	2,460,902	2,474,126	2,487,420
Richmond County	468,730	470,728	487,926	496,898	503,309	507,704	510,529	511,131	512,569	513,418
NYC Total	8,242,624	8,336,697	8,565,056	8,721,991	8,873,965	8,997,448	9,109,623	9,205,648	9,275,394	9,344,240
Nassau County	1,339,532	1,345,337	1,355,528	1,365,974	1,397,810	1,449,145	1,509,315	1,572,434	1,629,940	1,685,848
Suffolk County	1,493,350	1,496,887	1,504,048	1,521,757	1,557,623	1,609,745	1,658,914	1,701,527	1,740,706	1,782,033
LI Total	2,832,882	2,842,225	2,859,576	2,887,731	2,955,434	3,058,890	3,168,228	3,273,961	3,370,646	3,467,881
Dutchess County	297,488	299,136	301,444	305,576	313,714	324,260	334,508	343,457	352,005	361,182
Orange County	372,813	378,097	385,745	399,857	421,192	447,696	475,288	502,822	529,979	559,394
Putnam County	99,710	99,859	100,199	100,988	102,559	105,105	108,102	110,656	112,785	114,786
Rockland County	311,687	316,458	323,871	329,669	340,931	355,963	371,678	388,072	403,498	420,428
Sullivan County	77,547	77,661	77,721	78,392	79,578	83,334	86,762	89,676	92,700	96,199
Ulster County	182,493	183,535	185,025	187,401	190,699	194,597	197,721	199,391	200,906	202,597
Westchester County	949,113	958,682	973,692	983,444	1,008,322	1,045,862	1,090,985	1,133,777	1,177,242	1,224,059
MH Total	2,290,851	2,313,428	2,347,697	2,385,327	2,456,995	2,556,818	2,665,042	2,767,851	2,869,115	2,978,644
Bergen County	905,116	914,564	930,027	942,094	960,904	984,078	1,012,027	1,032,959	1,056,061	1,082,550
Essex County	783,969	786,496	790,329	804,825	824,406	848,467	874,191	901,996	928,922	961,823
Hudson County	634,266	646,466	665,394	682,578	704,012	735,319	767,897	800,591	834,294	867,284
Hunterdon County	127,351	127,596	128,158	128,765	129,679	131,586	134,847	137,541	139,966	141,582
Mercer County	367,511	369,505	373,097	384,284	399,968	418,733	440,012	460,379	480,311	501,524
Middlesex County	809,858	817,621	830,619	850,670	871,501	899,439	931,660	965,235	993,731	1,028,054
Monmouth County	630,380	630,805	631,341	638,051	644,427	653,126	666,251	677,358	690,568	701,137
Morris County	492,276	495,573	501,094	513,112	519,688	527,721	534,236	539,434	544,736	549,023
Ocean County	576,567	580,234	586,435	606,947	635,396	665,051	711,297	742,957	775,763	810,159
Passaic County	501,226	503,092	506,301	517,663	532,322	551,460	568,266	593,874	618,228	643,019
Somerset County	323,444	326,544	332,069	337,056	343,635	350,173	359,850	369,854	379,363	391,169
Sussex County	149,265	149,478	149,971	151,807	152,771	154,125	157,049	159,887	162,173	163,984
Union County	536,499	541,564	549,731	560,986	577,138	597,663	621,301	646,279	670,143	695,466
Warren County	108,692	109,168	109,933	111,232	113,005	115,118	117,081	119,755	121,353	122,557
NJ Total	6,946,420	6,998,707	7,084,498	7,230,072	7,408,852	7,632,059	7,895,964	8,148,098	8,395,613	8,659,330
Fairfield County	916,829	926,353	941,096	952,853	973,882	1,007,167	1,044,257	1,081,608	1,117,891	1,154,738
Litchfield County	189,927	190,067	190,367	191,710	193,753	196,500	199,791	201,331	203,037	204,237
New Haven County	862,477	868,890	878,411	900,889	929,840	965,751	998,935	1,028,513	1,056,467	1,085,787
CT Total	1,969,233	1,985,310	2,009,875	2,045,452	2,097,475	2,169,418	2,242,982	2,311,452	2,377,396	2,444,762

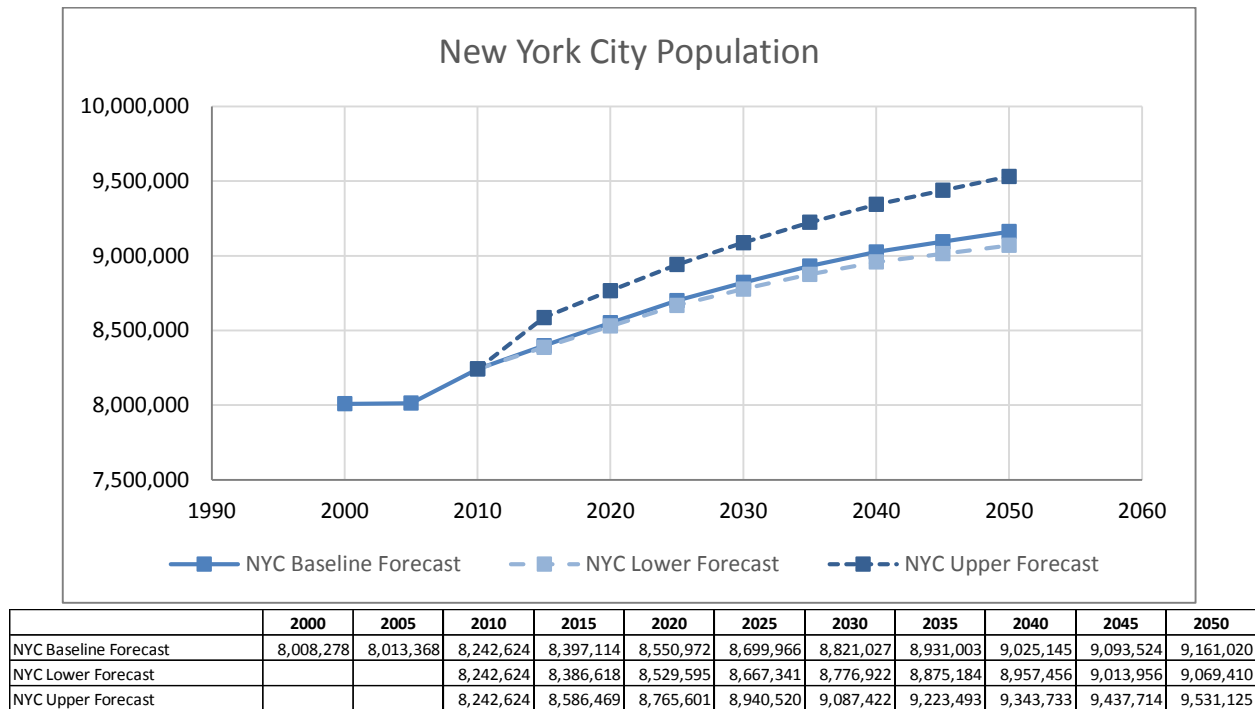
Source: U.S. Census; DCP Adjusted NYC values for 2010; NYMTC 2050 SED Forecasts

TABLE 3-4. LOWER FORECASTS OF TOTAL POPULATION

	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	22,282,010	22,476,367	22,647,783	22,857,326	23,146,629	23,532,525	23,951,332	24,313,260	24,629,569	24,958,596
Bronx County	1,385,108	1,408,473	1,413,955	1,443,171	1,479,705	1,511,403	1,540,801	1,567,401	1,585,601	1,603,151
Kings County	2,552,911	2,565,635	2,599,590	2,641,831	2,696,098	2,740,239	2,781,851	2,819,221	2,845,203	2,869,099
New York County	1,585,873	1,619,090	1,608,684	1,634,186	1,655,343	1,668,336	1,675,753	1,678,930	1,680,641	1,684,582
Queens County	2,250,002	2,272,771	2,286,627	2,324,469	2,344,606	2,361,683	2,379,388	2,394,554	2,404,390	2,414,261
Richmond County	468,730	470,728	477,761	485,937	491,590	495,260	497,391	497,351	498,122	498,317
NYC Total	8,242,624	8,336,697	8,386,618	8,529,595	8,667,341	8,776,922	8,875,184	8,957,456	9,013,956	9,069,410
Nassau County	1,339,532	1,345,337	1,350,597	1,344,211	1,344,283	1,361,289	1,385,443	1,410,760	1,431,141	1,449,649
Suffolk County	1,493,350	1,496,887	1,497,488	1,497,660	1,507,562	1,534,912	1,559,525	1,576,252	1,589,133	1,603,399
LI Total	2,832,882	2,842,225	2,848,085	2,841,871	2,851,845	2,896,200	2,944,968	2,987,012	3,020,274	3,053,048
Dutchess County	297,488	299,136	302,003	303,205	306,598	312,973	319,148	323,699	327,603	331,902
Orange County	372,813	378,097	386,725	396,371	410,121	429,802	450,585	470,567	489,860	510,946
Putnam County	99,710	99,859	99,791	99,771	99,856	100,845	102,250	103,125	103,584	103,860
Rockland County	311,687	316,458	322,984	324,635	329,325	338,636	348,699	359,035	368,556	379,461
Sullivan County	77,547	77,661	78,099	77,225	76,423	77,838	79,068	79,766	80,575	81,912
Ulster County	182,493	183,535	185,265	186,712	188,197	190,060	191,084	190,546	189,667	188,849
Westchester County	949,113	958,682	971,537	971,586	978,299	997,750	1,024,160	1,047,182	1,071,030	1,097,511
MH Total	2,290,851	2,313,428	2,346,403	2,359,504	2,388,819	2,447,904	2,514,995	2,573,920	2,630,876	2,694,443
Bergen County	905,116	914,564	925,570	925,889	928,995	938,150	951,677	958,014	967,383	979,832
Essex County	783,969	786,496	790,187	793,780	804,234	818,383	833,555	849,933	865,778	886,814
Hudson County	634,266	646,466	663,282	669,634	680,144	700,867	722,476	743,662	766,388	788,349
Hunterdon County	127,351	127,596	127,454	126,436	125,994	126,144	127,274	127,755	127,932	127,182
Mercer County	367,511	369,505	370,922	375,136	384,449	397,170	411,731	424,946	437,920	451,853
Middlesex County	809,858	817,621	825,805	833,827	843,128	859,072	877,463	895,706	908,354	924,858
Monmouth County	630,380	630,805	631,690	630,419	628,888	628,954	631,997	632,235	633,764	631,780
Morris County	492,276	495,573	499,038	504,229	505,093	506,846	506,659	504,916	503,583	500,783
Ocean County	576,567	580,234	583,910	595,882	615,795	637,808	674,544	696,184	717,714	739,615
Passaic County	501,226	503,092	504,988	510,298	518,844	532,531	543,778	563,080	581,305	599,866
Somerset County	323,444	326,544	328,952	328,713	330,563	332,314	336,478	340,487	343,694	348,269
Sussex County	149,265	149,478	149,348	149,265	148,478	148,005	148,911	149,604	149,744	149,256
Union County	536,499	541,564	547,700	551,492	561,348	574,639	590,129	606,204	620,955	636,403
Warren County	108,692	109,168	109,736	109,742	110,414	111,273	111,827	112,909	112,951	112,455
NJ Total	6,946,420	6,998,707	7,058,582	7,104,743	7,186,369	7,312,155	7,468,499	7,605,635	7,737,466	7,877,315
Fairfield County	916,829	926,353	939,423	940,732	950,555	971,045	994,715	1,018,029	1,039,892	1,061,580
Litchfield County	189,927	190,067	190,026	189,503	190,082	190,880	192,258	191,800	191,371	190,296
New Haven County	862,477	868,890	878,646	891,379	911,618	937,419	960,713	979,408	995,734	1,012,505
CT Total	1,969,233	1,985,310	2,008,096	2,021,614	2,052,255	2,099,344	2,147,686	2,189,237	2,226,997	2,264,381

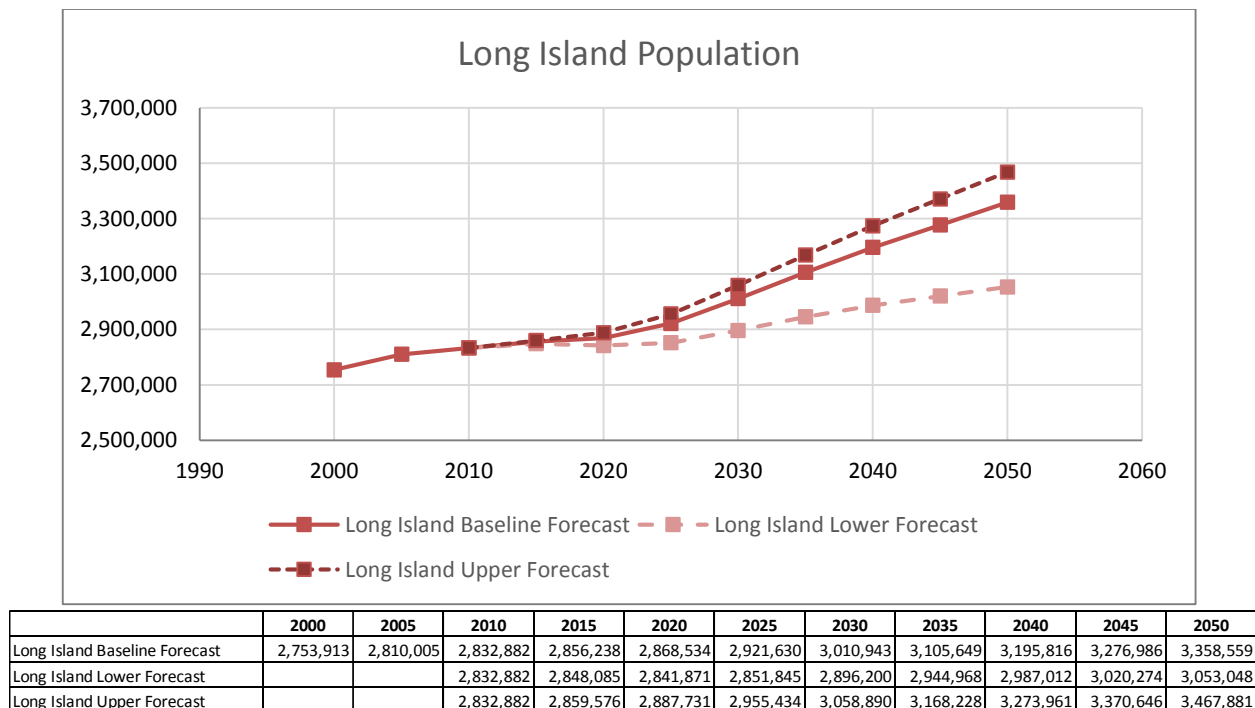
Source: U.S. Census; DCP Adjusted NYC values for 2010; NYMTC 2050 SED Forecasts

FIGURE 3-3. TOTAL POPULATION FORECAST RANGES (NEW YORK CITY)



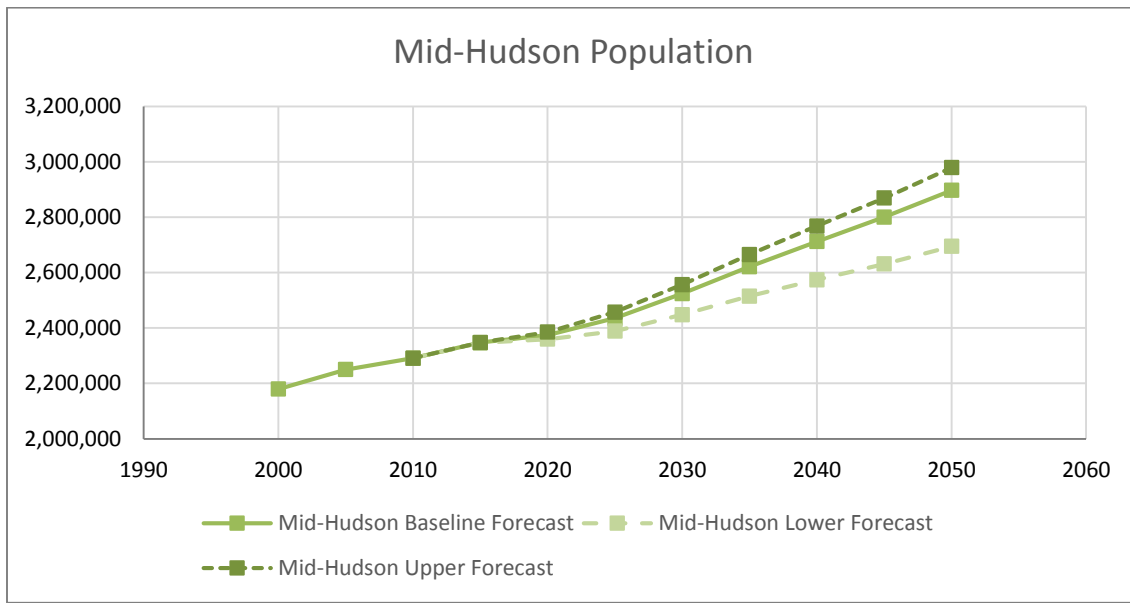
Source: U.S. Census; DCP Adjusted NYC values for 2010; NYMTC 2050 SED Forecasts

FIGURE 3-4. TOTAL POPULATION FORECAST RANGES (LONG ISLAND)



Source: U.S. Census; NYMTC 2050 SED Forecasts

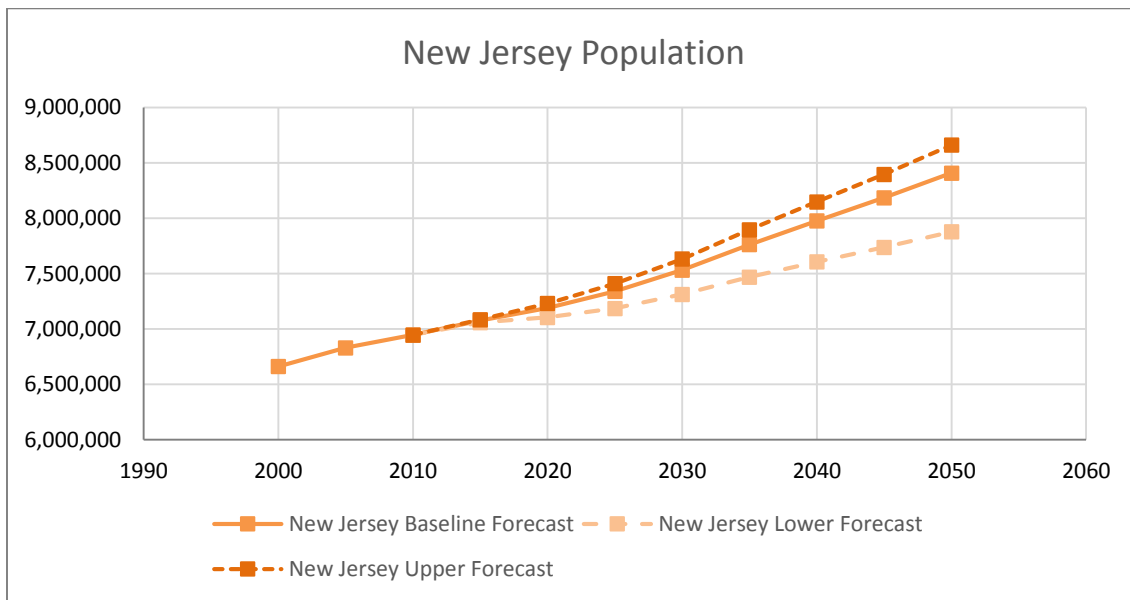
FIGURE 3-5. TOTAL POPULATION FORECAST RANGES (MID-HUDSON)



	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Mid-Hudson Baseline Forecast	2,179,189	2,249,815	2,290,851	2,347,294	2,374,821	2,435,504	2,524,425	2,621,242	2,711,696	2,800,502	2,896,974
Mid-Hudson Lower Forecast			2,290,851	2,346,403	2,359,504	2,388,819	2,447,904	2,514,995	2,573,920	2,630,876	2,694,443
Mid-Hudson Upper Forecast			2,290,851	2,347,697	2,385,327	2,456,995	2,556,818	2,665,042	2,767,851	2,869,115	2,978,644

Source: U.S. Census; NYMTC 2050 SED Forecasts

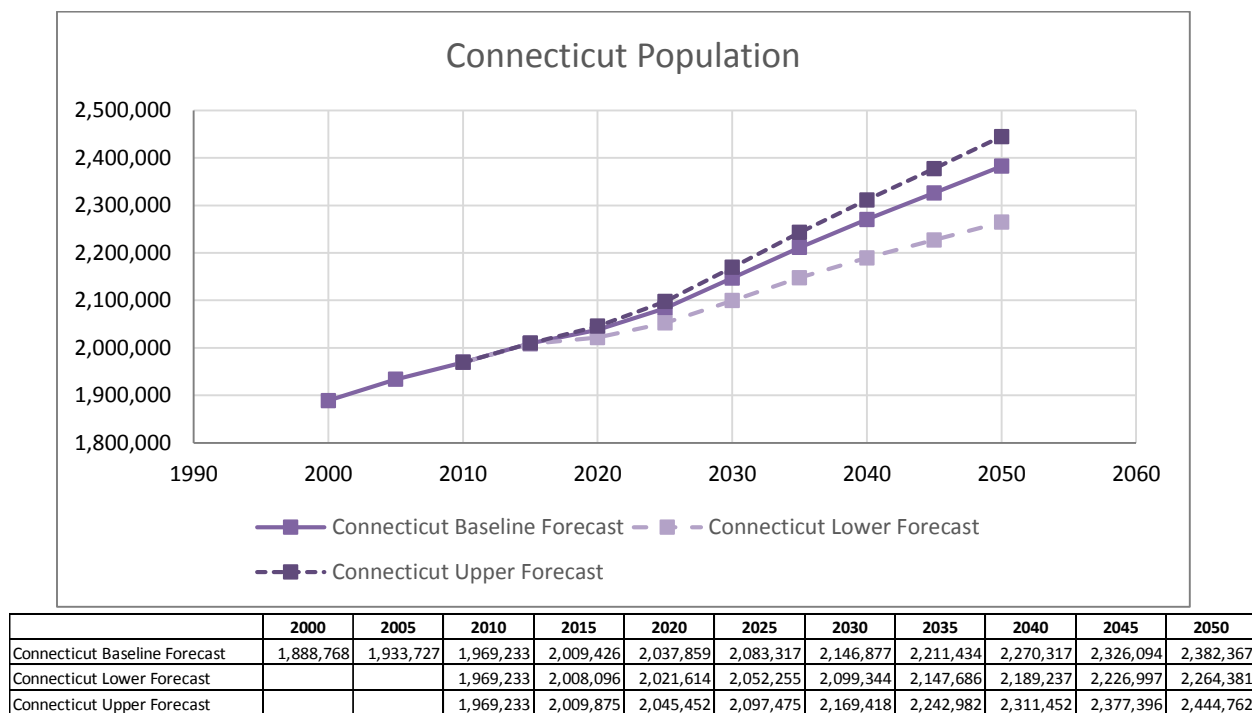
FIGURE 3-6. TOTAL POPULATION FORECAST RANGES (NEW JERSEY)



	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
New Jersey Baseline Forecast	6,661,750	6,830,614	6,946,420	7,077,137	7,189,718	7,340,455	7,532,631	7,761,878	7,976,116	8,185,060	8,406,830
New Jersey Lower Forecast			6,946,420	7,058,582	7,104,743	7,186,369	7,312,155	7,468,499	7,605,635	7,737,466	7,877,315
New Jersey Upper Forecast			6,946,420	7,084,498	7,230,072	7,408,852	7,632,059	7,895,964	8,148,098	8,395,613	8,659,330

Source: U.S. Census; NYMTC 2050 SED Forecasts

FIGURE 3-7. TOTAL POPULATION FORECAST RANGES (CONNECTICUT)



Source: U.S. Census; NYMTC 2050 SED Forecasts

3.4 Comparison of Baseline Forecasts

Following the development of the baseline forecasts, the Project Team compared the resulting forecasts against available forecasts independently developed by other agencies and organizations. A list of the independent forecasts used in this comparison includes:

NYMTC 2040 SED Forecasts. The population forecasts generated during the previous 2040 forecasting effort cover the entire 31-County Region. These projections were developed using a cohort component modeling approach that also reconciled population and employment forecasts through the balancing of labor demand implied by the employment forecasts, and labor supply implied by the population forecasts after accounting for labor force participation.

The natural increase components of the 2040 SED population forecasts were developed using national age-specific rates of survival and fertility, distinguished by race and ethnicity, and adjusted to match observed local conditions.

Cornell Program on Applied Demographics (PAD) 2040 Population Projections. The population projections obtained from this source covered all counties in the New York City, Long Island, Mid-Hudson subregions.

As indicated on the Cornell PAD website:

"The results found on this web page were produced on September 8, 2011. At this moment many assumptions are still based on rates that were estimated using data from around 2000. When more and more recent data becomes available these assumptions and the projections will be updated. Some assumptions have already gone through an update to better reflect most recent trends.

The projections are based upon rates of change estimated from historic data. This means that the projections reflect what would happen if the rates of population growth and decline stay as they were. The

projections are not meant to be forecasts; forecasts are predictions of future conditions while these projections are meant to gain insight into what might happen if the future looks like the past.”

Based on review of the modeling methodology provided on the PAD website, fertility, survival and migration rates appear to have been held constant throughout the projection, but it’s not clear which historical period forms the basis for those rates.

Long Island Index, Population Forecasts. The Long Island Index published a report: Long Island’s Future: Economic Implications of Today’s Choices, that included a 2040 baseline projection of population generated by HR&A Advisors. Although no detailed methodological documentation was provided in the report, a conference call meeting between the LI Index, HR&A Advisors, the Project Team, and various representatives of the FWG (MTA, Nassau County, and Suffolk County) was held on February 26th, 2015.

During this meeting, HR&A Advisors indicated that the baseline population projections were developed using the REMI Policy Insight Model’s cohort component forecasting model to account for the natural increase components of the forecasted population change, while migration estimates were derived from the Cornell PAD projections for the region.

New Jersey Department of Labor (NJDOl) 2012-2032 Population Forecasts. The population projections obtained from this source covered all counties in the New Jersey subregion. Although NJDOl generates population projections using four different models (economic-demographic model, pure-demographic/historical migration model, zero migration model, and linear extrapolation model), the economic-demographic approach is designated as the ‘preferred’ approach due to its consistency with employment projections, and those results are therefore presented as the published projections.

The NJDOl economic-demographic forecasts use a cohort component model to account for the natural increase component of population change. Age-specific rates of fertility by race and ethnicity were held constant throughout the forecasting process, while age/sex-specific rates of survival (also distinguished by race and ethnicity) were set to gradually increase within the 20-year forecasting horizon.

Net migration of population 65 and under is determined by balancing projected labor demand from the employment model against implied labor demand from the population projections (assuming zero migration). The final estimate of net migration is calculated by accounting for dependent children of economic migrants – the net migration of estimates of population 65 and over is based on the historical rates observed between 2000 and 2012.

The above description shows that the NJDOl economic-demographic approach is similar in many respects to that taken by the Project Team in the development of county level forecasts in the 26-County Region. The main methodological difference is that the NJDOl model does not account for the overflow of economic migrants resulting from the land use capacity constraints in New York City.

Delaware Valley Regional Planning Commission (DVRPC) 2010-2040 Population Forecasts. The DVRPC Analytical Data Report includes 2010-2040 population forecasts covering the nine DVRPC counties in Pennsylvania and South/Central New Jersey including Mercer County. The DVRPC forecasts represent a triangulation of three alternative approaches:

- A set of county level 2040 forecasts generated using the traditional cohort survival model, building upon and updating a similar approach used to generate the 2035 population forecasts. New Jersey age-specific fertility and survival rates are used to project natural increase components – with some adjustments in the future year survival rates to account for improved

life expectancy. Future year migration is calculated by applying the average five-year migration rates observed between 2000 and 2010.

- A second set of county level forecasts was developed by redistributing the region-wide 2040 projection totals described above, to each of the nine counties in accordance with allocations defined by the previous 2035 forecasts. This approach, emphasizes the longer term development trends agreed upon during the previous 2035 forecasts, instead of the county level pure-demographic approach that relies on shorter term migration trends observed between 2000 and 2010.
- The third set of alternative forecasts was developed by simply applying growth rates from the 2035 adopted forecasts to a 2010 population base obtained from U.S. Census data. This method assumes future population growth along the trends of previously adopted forecasts.

The three methods described above were used to generate an expected, minimum and maximum value for each five year interval in the 2040 forecast horizon.

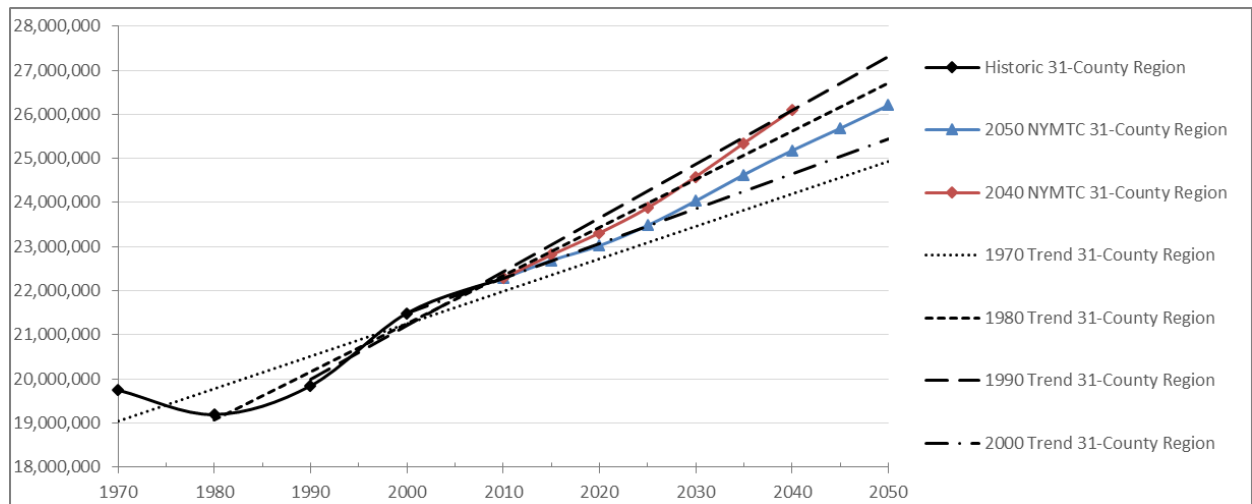
Connecticut State Data Center (CTSDC) 2015-2025 Population Projections. The population projections generated by CTSDC for the three counties in the Connecticut subregion were developed using a pure demographic cohort component model. Age-specific fertility rates (by single year of age) in 2010 were developed for each county and held constant through the 2025 projection horizon. Similarly, single-year survival rates from 2010 were calculated and applied in the population projections. Net migration rates were calculated by the forward survival method to obtain an estimated rate of migration between 2000 and 2010, and this rate was subsequently used as the basis for future rates of migration in the projection.

Connecticut Department of Transportation (ConnDOT) 2040 Population Projections. The 2040 population projections covering the three counties in the Connecticut subregion were provided by ConnDOT for the purposes of comparison. Although no formal documentation was provided, a conference call meeting with ConnDOT was convened to discuss the alternative projections. Based on this discussion, it is the Project Team's understanding that these forecasts were generated using linear extrapolation of recent population trends.

By comparing the 2050 population projections to alternative forecasts derived using different methodological approaches and assumptions and observing differences in results, the Project Team was able to use this process as a means to evaluate the methodological basis of the 2050 baseline forecasts. Population projections associated with various historical trends were also included as part of this evaluation as shown in Figures 3-8 through 3-17.

The comparison of 2040 and 2050 NYMTC SED forecasts for the 31-County Region in Figure 3-8 shows the previous estimates to be increasingly higher than the current estimates all through the year 2040. It is difficult to identify the reasons for the differences in the forecasts given the various differences in methodological approaches and input assumptions between the two forecasts. However, as indicated in Section 2.4.1, the difference in employment projections is believed to play a significant role in driving the difference observed in regional population growth. The previous employment forecast of over 16 million jobs in 2040 (compared to a 2040 estimate of 13 million in the current forecast) is likely to have resulted in significant net in-migration to meet the implied labor demand. The 2050 forecasts also appear to be well bracketed by the simple extrapolations of various historical periods.

FIGURE 3-8. TOTAL POPULATION FORECAST COMPARISON (31-COUNTY REGION)



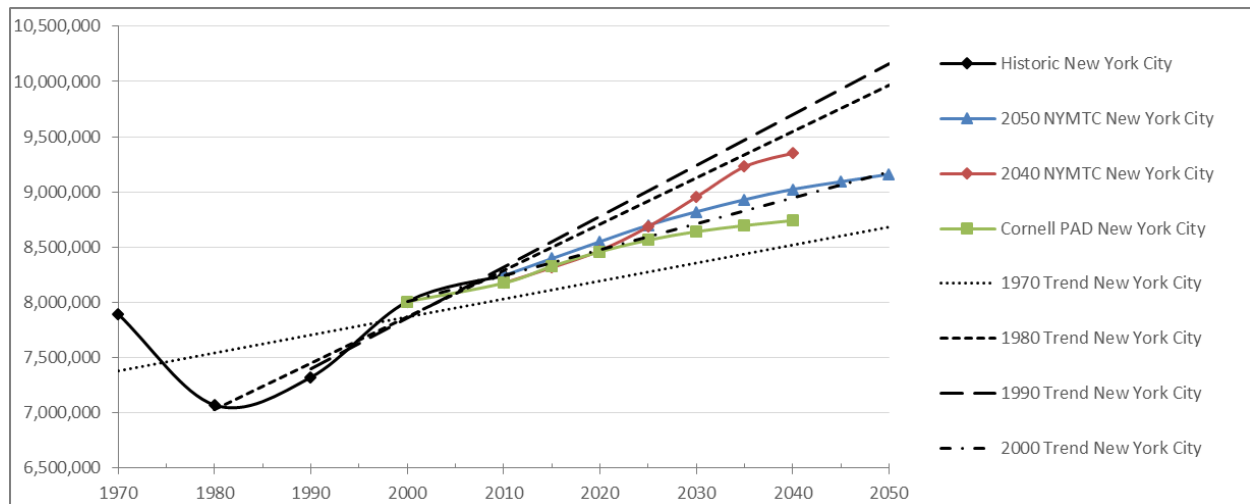
Region	Source	2010	2015	2020	2025	2030	2035	2040	2045	2050
31-County Region	2050 NYMTC	22,282,010	22,687,209	23,021,904	23,480,872	24,035,904	24,631,206	25,179,090	25,682,166	26,205,750
31-County Region	2040 NYMTC	22,214,726	22,730,101	23,228,298	23,864,408	24,720,463	25,644,734	26,416,019		

3.4.1 New York City

A comparison of the New York City forecasts in Figure 3-9 shows the 2040 NYMTC forecasts exceeding the 2050 forecasts from 2025 onwards. As shown in the accompanying table, Manhattan and Queens make up a large part of the difference between the 2040 and 2050 forecasts. This observation highlights the impact of incorporating the land use planning elements, particularly given the housing capacity constraints in Queens as detailed by the Project Team in the *Modeling Methodology* Technical Memorandum. Significant land use constraints were added to Queens and Staten Island as a result of widespread downzoning during the later years of the Bloomberg administration.¹

The current projections sit slightly higher than the Cornell PAD projections largely throughout the forecast, as shown in the figure's accompanying table. Part of the difference is due to the 2010 population adjustments discussed in the *Modeling Methodology* Technical Memorandum. However, in addition to the land use planning component impacts discussed above, another reason for the slightly more optimistic 2050 forecasts relative to the Cornell PAD projections may be the historical period used to derive the net migration rate assumptions.

FIGURE 3-9. TOTAL POPULATION FORECAST COMPARISON (NEW YORK CITY)



Region	Source	2010	2015	2020	2025	2030	2035	2040	2045	2050
New York City	2050 NYMTC	8,242,624	8,397,114	8,550,972	8,699,966	8,821,027	8,931,003	9,025,145	9,093,524	9,161,020
New York City	2040 NYMTC	8,175,403	8,315,569	8,469,826	8,684,713	8,954,719	9,228,606	9,351,452		
New York City	Cornell PAD	8,175,133	8,327,423	8,460,917	8,564,888	8,641,196	8,696,265	8,741,921		
Bronx County	2050 NYMTC	1,385,108	1,415,725	1,446,788	1,485,275	1,518,998	1,550,492	1,579,245	1,599,597	1,619,344
Bronx County	2040 NYMTC	1,385,378	1,396,758	1,403,501	1,423,265	1,454,858	1,485,087	1,505,137		
Bronx County	Cornell PAD	1,385,108	1,420,720	1,453,970	1,482,731	1,507,447	1,529,410	1,549,897		
Kings County	2050 NYMTC	2,552,911	2,602,844	2,648,452	2,706,246	2,754,009	2,799,347	2,840,525	2,870,318	2,898,080
Kings County	2040 NYMTC	2,504,700	2,529,578	2,570,223	2,624,009	2,705,426	2,781,298	2,800,881		
Kings County	Cornell PAD	2,504,700	2,540,105	2,567,047	2,583,413	2,592,364	2,596,638	2,599,940		
New York County	2050 NYMTC	1,585,873	1,610,697	1,638,282	1,661,574	1,676,720	1,686,292	1,691,617	1,695,476	1,701,598
New York County	2040 NYMTC	1,585,873	1,620,704	1,654,206	1,699,848	1,760,733	1,824,429	1,848,499		
New York County	Cornell PAD	1,585,873	1,600,435	1,611,039	1,615,576	1,613,772	1,607,225	1,599,003		
Queens County	2050 NYMTC	2,250,002	2,289,489	2,330,295	2,353,431	2,373,551	2,394,353	2,412,649	2,425,614	2,438,647
Queens County	2040 NYMTC	2,230,722	2,287,507	2,350,213	2,430,603	2,508,071	2,593,636	2,643,834		
Queens County	Cornell PAD	2,230,722	2,284,554	2,334,859	2,378,066	2,413,499	2,441,872	2,466,114		
Richmond County	2050 NYMTC	468,730	478,359	487,155	493,440	497,749	500,519	501,109	502,519	503,351
Richmond County	2040 NYMTC	468,730	481,022	491,683	506,987	525,630	544,155	553,100		
Richmond County	Cornell PAD	468,730	481,609	494,002	505,102	514,114	521,120	526,967		

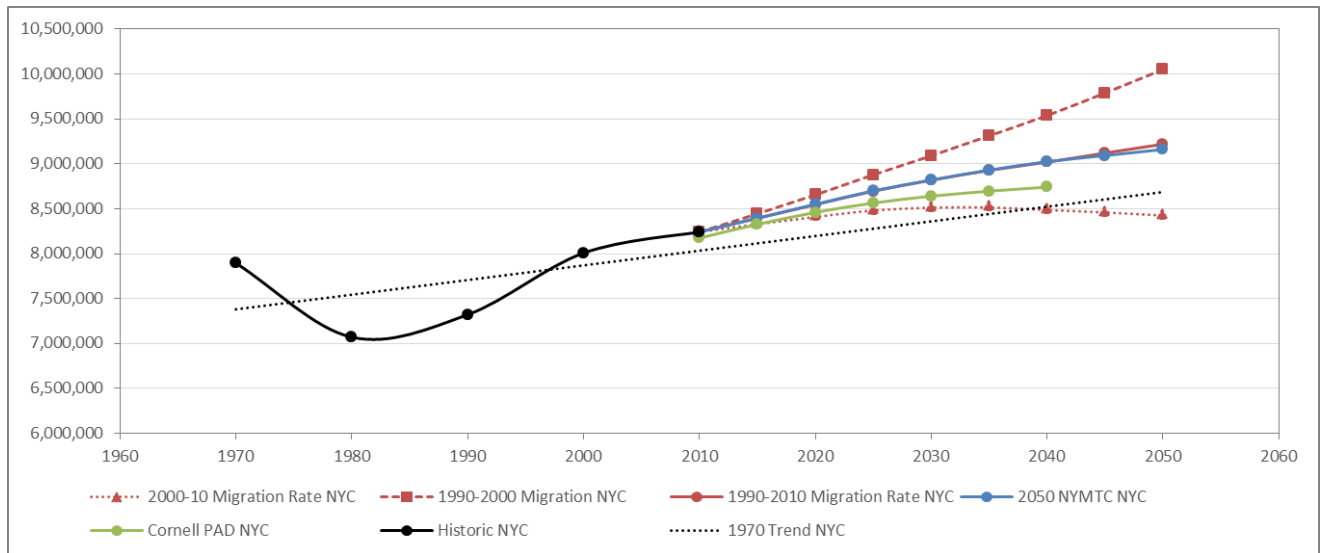
The historical duration used to derive future net migration rate assumptions has a significant impact on the resulting population forecast. Figure 3-10 shows the forecasting impact of applying net migration rates obtained from different time periods of analysis. Based on the Project Team's review of historical migration rates presented in the *Modeling Methodology* Technical Memorandum, the 2000-2010 period was defined by a general pattern of net out-migration from the region as compared to previous 1990-2000 time period that also helps form the basis of historical residual migration rate assumptions for the 2050 projections. This explains why the population projection generated based on 1990-2000 net migration rate assumptions in Figure 3-10 rises noticeably higher than the projection based on 2000-2010 net migration rates.

The projection obtained using net migration rates averaged over both time periods lies roughly halfway between the two projections, and is very similar to the final 2050 NYMTC projection that also included migration rate adjustments that conformed with housing capacity constraints across the five boroughs.

It is the Project Team's understanding of the Cornell PAD methodology, that the 2000-2010 time period was used as the primary basis for determining net migration rates to be applied in the future – similar

time periods were also used in several of the independent forecasts described above (NJDOL, DVRPC, and CTSDC). The Cornell PAD projections in Figure 3-10 lie somewhat close to the NYC projections generated using 2000-2010 net migration rates. The reason why these two projections don't align more closely is due to the previously referenced 2010 population adjustments made for NYC, and the impacts of those adjustments on the resulting 2000-2010 net migration rate estimates. Similar evaluations of net migration rate assumption impacts are conducted for both Long Island and Mid-Hudson subregions that can be compared against the Cornell PAD projections.

FIGURE 3-10. POPULATION FORECAST COMPARISON OF NET MIGRATION RATE ASSUMPTIONS (NEW YORK CITY)



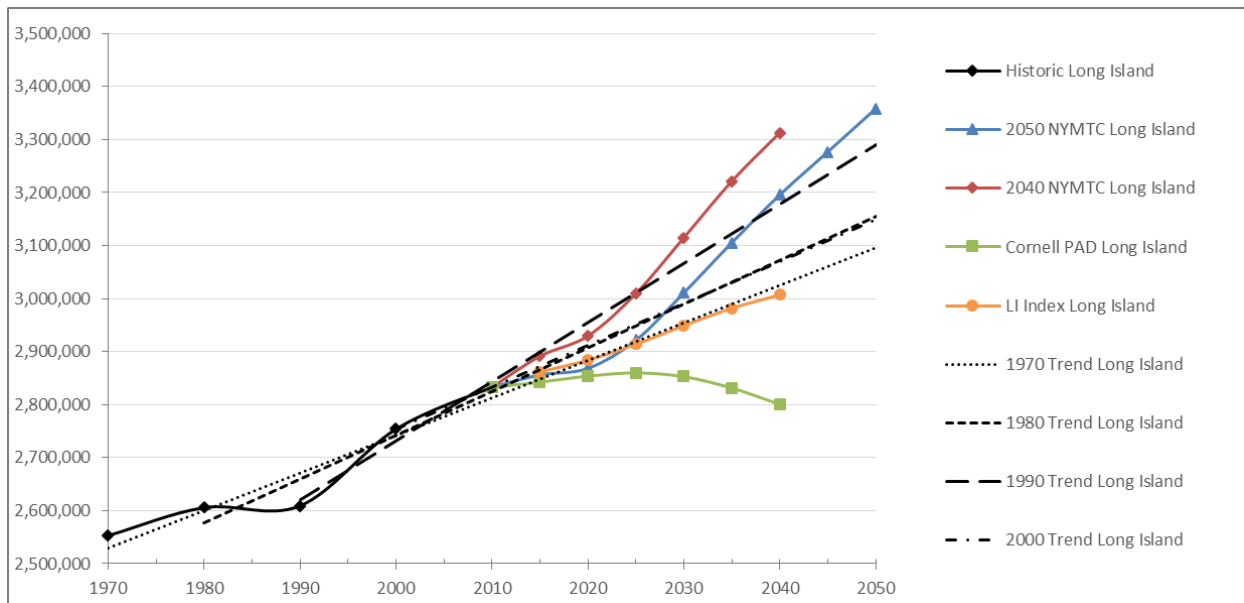
Source: U.S. Census; New York City Department of Health and Mental Hygiene; NYMTC 2050 SED Forecasts

3.4.2 Long Island

Figure 3-11 compares the current population forecasts for the Long Island subregion against previous NYMTC 2040 forecasts, as well as the Cornell PAD and the baseline LI Index projections. The 2040 forecasts once again sit noticeably higher than the current 2050 forecasts at the aggregate subregional level. However, as shown in the accompanying data table, the bulk of the subregional difference between the two NYMTC forecasts is driven by the differences in Suffolk County – Nassau County projections in both the 2040 and 2050 forecast are very similar.

The Cornell PAD projections in the data table show Nassau County population forecasts declining over the duration of the forecasting horizon, while Suffolk is projected to grow through 2030 before declining for the remainder of the forecast horizon. The Project Team believes that these trajectories are once again the result of using the 2000-2010 historical period to generate future net migration rates as somewhat demonstrated in Figure 3-12. In addition to the actual NYMTC 2050 projections, Figure 3-12 includes traces of Long Island population projections generated with the migration component limited only to historical rates (i.e. no economic migrants). Similar to Figure 3-10 above, this allows the testing of net migration rate assumption impacts on population forecasts.

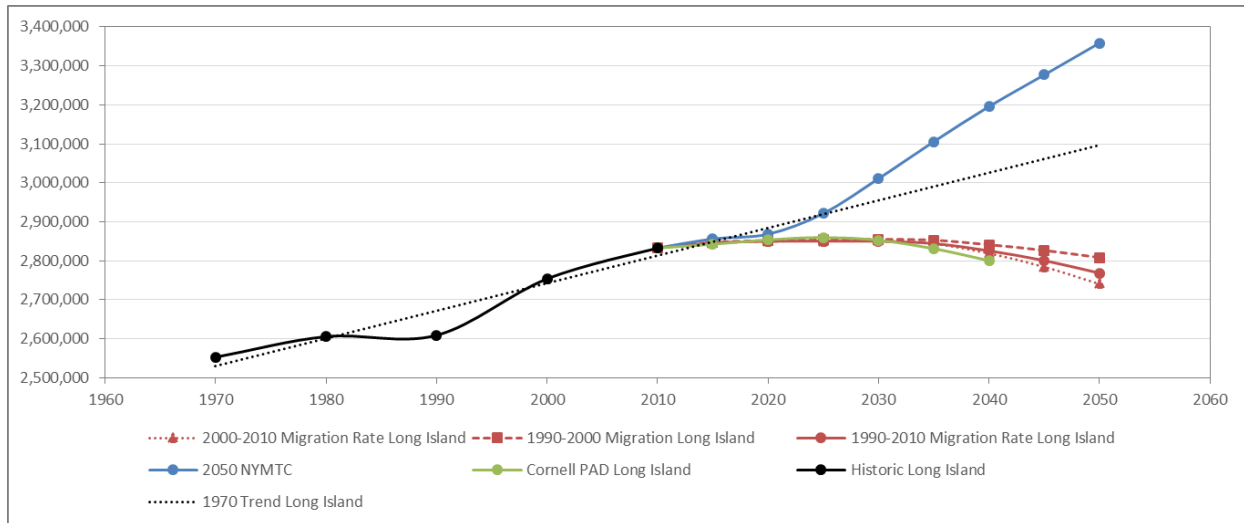
FIGURE 3-11. TOTAL POPULATION FORECAST COMPARISON (LONG ISLAND)



Region	Source	2010	2015	2020	2025	2030	2035	2040	2045	2050
Long Island	2050 NYMTC	2,832,882	2,856,238	2,868,534	2,921,630	3,010,943	3,105,649	3,195,816	3,276,986	3,358,559
Long Island	2040 NYMTC	2,832,882	2,891,465	2,929,655	3,009,519	3,115,060	3,221,627	3,313,162		
Long Island	Cornell PAD	2,832,882	2,842,632	2,853,936	2,859,971	2,852,838	2,831,331	2,800,465		
Long Island	LI Index		2,862,000	2,884,000	2,914,000	2,949,000	2,982,000	3,007,000		
Nassau County	2050 NYMTC	1,339,532	1,354,045	1,355,496	1,379,331	1,423,052	1,475,318	1,530,074	1,579,440	1,627,374
Nassau County	2040 NYMTC	1,339,532	1,353,301	1,362,513	1,397,557	1,444,292	1,487,325	1,524,987		
Nassau County	Cornell PAD	1,339,532	1,329,905	1,323,386	1,316,256	1,304,470	1,286,904	1,265,654		
Suffolk County	2050 NYMTC	1,493,350	1,502,193	1,513,038	1,542,300	1,587,892	1,630,332	1,665,742	1,697,546	1,731,185
Suffolk County	2040 NYMTC	1,493,350	1,538,165	1,567,141	1,611,963	1,670,768	1,734,303	1,788,175		
Suffolk County	Cornell PAD	1,493,350	1,512,727	1,530,550	1,543,715	1,548,368	1,544,427	1,534,811		

Aside from the minor differences due to slightly varied natural increase assumptions, Figure 3-12 shows the Project Team's models using only the 2000-2010 migration rates, lying closer to the Cornell PAD projections than the projections generated using 1990-2000 migration rates. The LI Index projections that combine the REMI Model natural increase projections and Cornell PAD migration volumes appear to align closely to historical trends going back to 1970.

FIGURE 3-12. POPULATION FORECAST COMPARISON OF NET MIGRATION RATE ASSUMPTIONS (LONG ISLAND)



Source: U.S. Census; New York State Department of Health; NYMTC 2050 SED Forecasts

3.4.3 Mid-Hudson

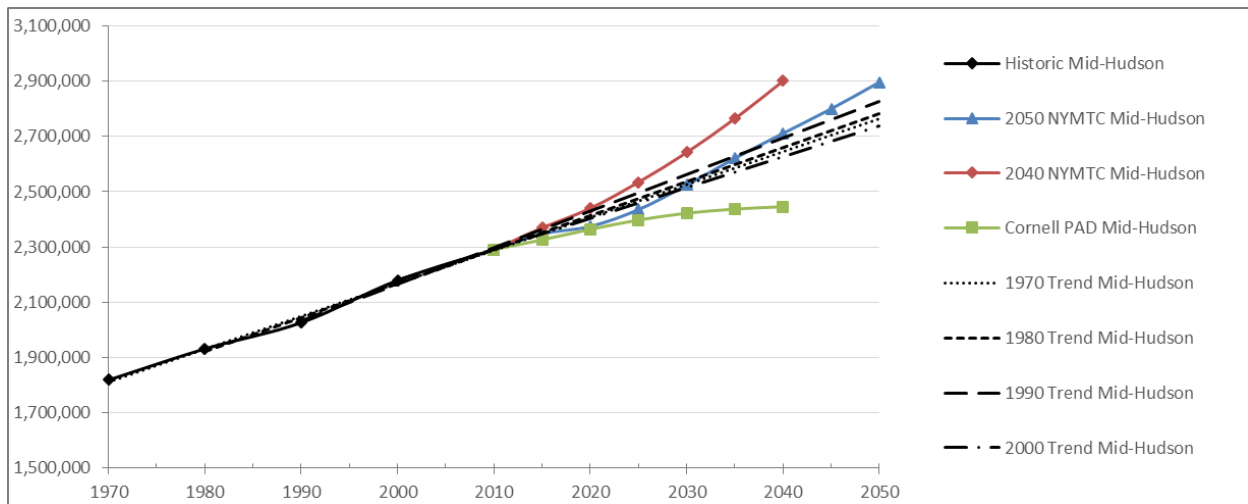
Figure 3-13 compares the current population forecast for the Mid-Hudson subregion against the previous forecasts, as well as the Cornell PAD projections. The close concentration of all four historic trend line extrapolations reflects the region's remarkably steady growth over a long period of time (even at the individual county level), despite the various economic downturns that have affected the growth trajectories of several counties and even subregions in the 31-County Forecasting Area.

The 2050 forecasts lie close to the historic trend line projections and appear to roughly split the difference between the 2040 forecasts that deviate noticeably above the coherent historic trends, and the relatively moderate growth implied by the Cornell PAD projections.

The gradual rise of the subregional forecast above the historic trend line projections is driven largely by an uptick in the growth rate of Westchester County that currently houses close to half of the subregion's population. Similar to the anticipated spillover over of economic migrants into Nassau County, Westchester is also expected to experience an acceleration in population growth post-2030 as the land use constraints in New York City increasingly tighten in the future.

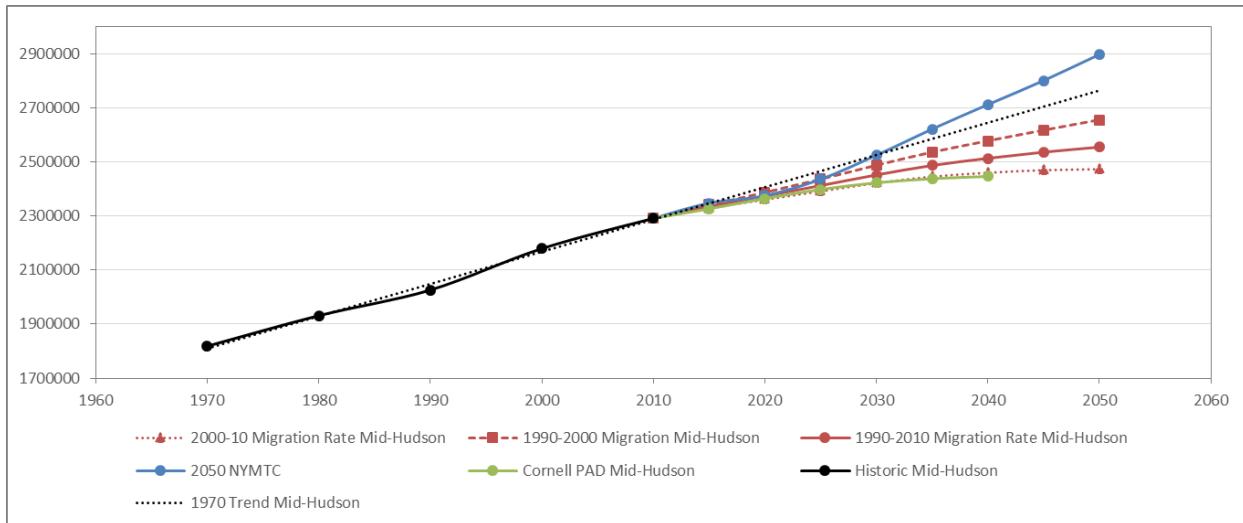
The 2050 projections generally lie below the 2040 forecasts in six of the seven of the Mid-Hudson counties, and conversely lie above the Cornell PAD projections for the majority of the forecast horizon in each of the seven counties. Similar to the example provided in Figure 3-12 the difference between the 2050 forecasts and the PAD projections is believed to be driven primarily by the migration rate assumptions as demonstrated in Figure 3-14. This figure shows the Project Team's models using only the 2000-2010 migration rates, which virtually align with the Cornell PAD projections. This figure more clearly demonstrates the degree to which the historical migration basis affects the resulting projection estimates.

FIGURE 3-13. TOTAL POPULATION FORECAST COMPARISON (MID-HUDSON)



Region	Source	2010	2015	2020	2025	2030	2035	2040	2045	2050
Mid-Hudson	2050 NYMTC	2,290,851	2,347,294	2,374,821	2,435,504	2,524,425	2,621,242	2,711,696	2,800,502	2,896,974
Mid-Hudson	2040 NYMTC	2,290,851	2,369,466	2,440,186	2,534,689	2,642,391	2,764,937	2,901,096		
Mid-Hudson	Cornell PAD	2,290,851	2,326,394	2,364,114	2,397,974	2,422,622	2,437,446	2,446,025		
Dutchess County	2050 NYMTC	297,488	301,608	304,729	311,567	320,840	329,766	337,270	344,278	351,790
Dutchess County	2040 NYMTC	297,488	306,267	317,203	335,552	355,844	376,144	395,461		
Dutchess County	Cornell PAD	297,488	303,374	309,985	316,091	320,734	323,935	326,402		
Orange County	2050 NYMTC	372,813	386,024	398,517	417,984	442,618	468,220	493,501	518,292	545,140
Orange County	2040 NYMTC	372,813	393,284	411,656	429,236	449,973	475,533	505,299		
Orange County	Cornell PAD	372,813	386,318	400,195	413,327	424,958	435,082	444,322		
Putnam County	2050 NYMTC	99,710	100,083	100,499	101,627	103,703	106,224	108,281	109,924	111,425
Putnam County	2040 NYMTC	99,710	104,243	107,209	112,150	117,660	124,229	131,919		
Putnam County	Cornell PAD	99,710	100,996	102,471	103,733	104,507	104,802	104,816		
Rockland County	2050 NYMTC	311,687	323,613	327,825	337,484	351,090	365,329	380,097	393,948	409,244
Rockland County	2040 NYMTC	311,687	319,791	324,317	332,000	339,270	352,172	363,612		
Rockland County	Cornell PAD	311,687	320,536	329,246	337,392	344,540	350,572	355,824		
Sullivan County	2050 NYMTC	77,547	77,833	78,031	78,746	81,811	84,491	86,639	88,890	91,596
Sullivan County	2040 NYMTC	77,525	82,851	86,816	91,976	98,458	105,299	113,234		
Sullivan County	Cornell PAD	77,547	78,623	79,322	79,470	79,082	78,258	77,165		
Ulster County	2050 NYMTC	182,493	185,097	187,082	189,776	192,973	195,349	196,231	196,882	197,651
Ulster County	2040 NYMTC	182,515	192,172	202,600	213,445	226,079	240,417	257,827		
Ulster County	Cornell PAD	182,493	182,358	181,869	180,554	178,028	174,404	170,141		
Westchester County	2050 NYMTC	949,113	973,036	978,138	998,319	1,031,391	1,071,863	1,109,678	1,148,288	1,190,128
Westchester County	2040 NYMTC	949,113	970,859	990,387	1,020,331	1,055,107	1,091,142	1,133,744		
Westchester County	Cornell PAD	949,113	954,189	961,026	967,407	970,773	970,393	967,355		

FIGURE 3-14. POPULATION FORECAST COMPARISON OF NET MIGRATION RATE ASSUMPTIONS (MID-HUDSON)

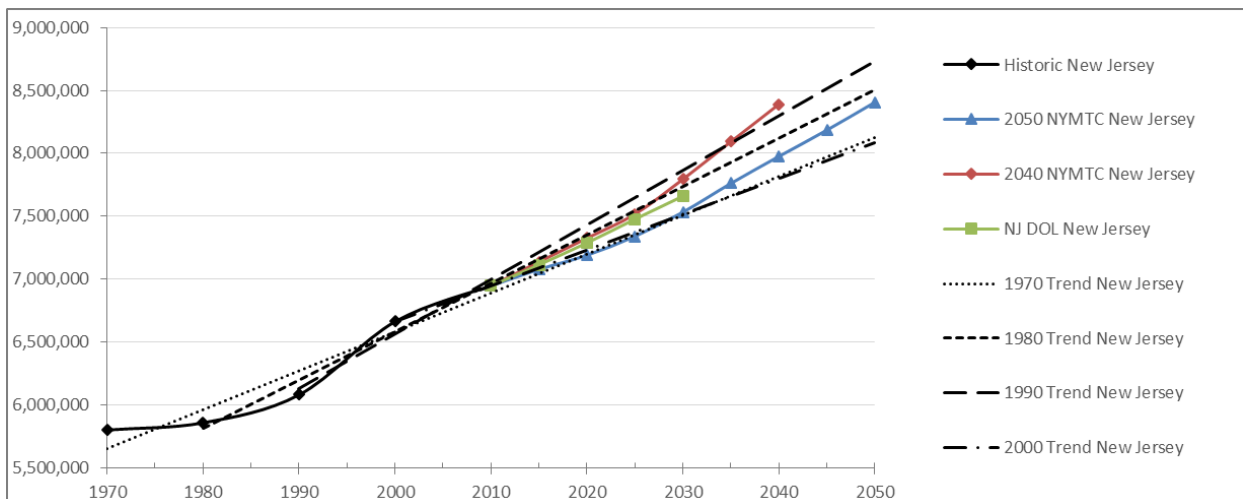


Source: U.S. Census; New York State Department of Health; NYMTC 2050 SED Forecasts

3.4.4 New Jersey

Figure 3-15 compares the current population forecast against the previous forecasts, as well as the forecasts developed by the NJ DOL that use a similar labor force supply and demand reconciliation process. Again, the 2050 SED forecasts appear lower than the previous 2040 forecasts, but also lie below the NJ DOL estimates. It should be noted that interpolations of the NJ DOL forecasts (2012, 2017, 2022, 2027 and 2032), were applied to allow comparison against the 2050 NYMTC estimates.

FIGURE 3-15. TOTAL POPULATION FORECAST COMPARISON (NEW JERSEY)

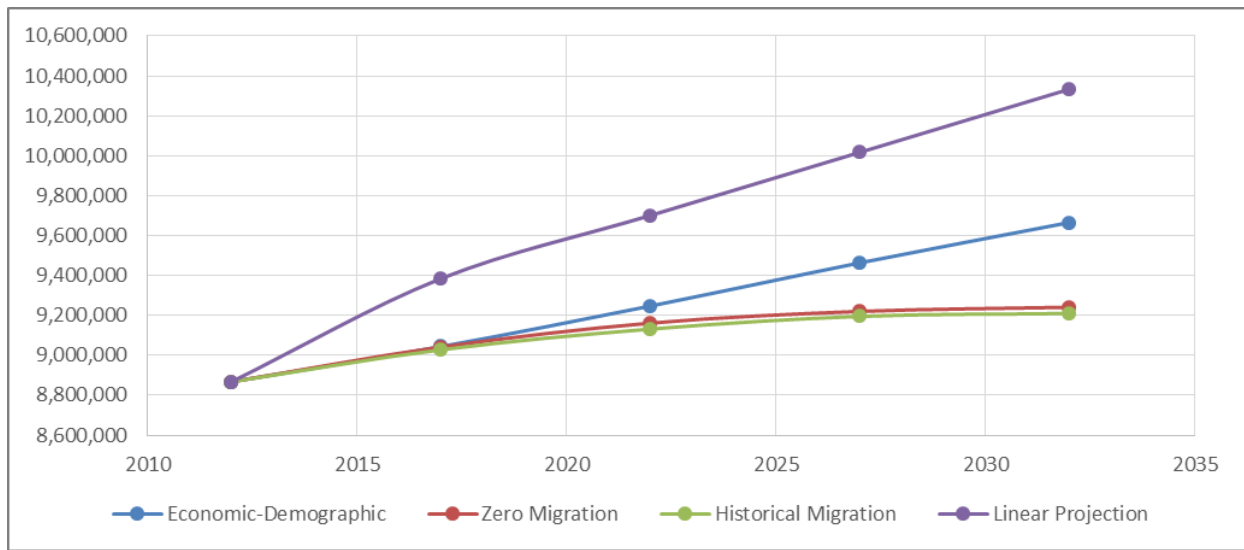


Region	Source	2010	2015	2020	2025	2030	2035	2040	2045	2050
New Jersey	2050 NYMTC	6,946,420	7,077,137	7,189,718	7,340,455	7,532,631	7,761,878	7,976,116	8,185,060	8,406,830
New Jersey	2040 NYMTC	6,946,357	7,137,093	7,326,157	7,516,610	7,794,732	8,093,659	8,390,669		
New Jersey	NJ DOL	6,946,420	7,113,922	7,287,960	7,476,440	7,659,900				
Bergen County	2050 NYMTC	905,116	928,736	936,513	951,196	970,411	994,340	1,011,159	1,030,502	1,053,154
Bergen County	2040 NYMTC	905,116	918,150	930,064	942,260	962,655	986,824	1,012,948		
Bergen County	NJ DOL	905,116	933,344	958,860	985,460	1,012,360				
Essex County	2050 NYMTC	783,969	790,286	801,211	818,044	838,992	861,438	885,615	909,020	938,104
Essex County	2040 NYMTC	783,969	807,188	820,471	833,984	855,400	872,291	900,473		
Essex County	NJ DOL	783,969	790,997	798,620	807,360	815,920				
Hudson County	2050 NYMTC	634,266	664,766	678,229	696,939	725,532	755,258	784,871	815,684	845,787
Hudson County	2040 NYMTC	634,266	641,973	669,463	697,030	735,069	762,839	803,444		
Hudson County	NJ DOL	634,266	674,868	710,440	745,060	771,840				
Hunterdon County	2050 NYMTC	127,351	127,964	128,043	128,443	129,636	132,065	133,892	135,431	136,100
Hunterdon County	2040 NYMTC	128,349	134,543	137,784	141,057	145,901	154,601	158,767		
Hunterdon County	NJ DOL	128,349	127,388	129,240	131,200	133,980				
Mercer County	2050 NYMTC	367,511	372,496	381,601	395,407	412,144	431,061	448,857	466,275	484,790
Mercer County	2040 NYMTC	366,513	384,952	398,344	411,802	430,774	464,681	479,228		
Mercer County	NJ DOL	366,511	372,113	378,320	386,040	394,020				
Mercer County	DVRPC	366,513	367,660	370,543	377,428	384,309	388,385	390,729		
Middlesex County	2050 NYMTC	809,858	829,266	845,251	862,805	886,904	914,559	942,881	965,760	993,675
Middlesex County	2040 NYMTC	809,858	828,875	856,981	885,233	925,179	964,348	1,005,715		
Middlesex County	NJ DOL	809,860	837,718	863,360	891,400	918,540				
Monmouth County	2050 NYMTC	630,380	631,442	635,267	639,231	645,133	655,030	662,606	671,946	678,320
Monmouth County	2040 NYMTC	630,380	651,727	664,054	676,556	695,836	703,813	730,577		
Monmouth County	NJ DOL	630,380	631,917	638,460	648,720	661,080				
Morris County	2050 NYMTC	492,276	500,519	510,334	515,015	520,708	524,756	527,355	530,198	531,824
Morris County	2040 NYMTC	492,276	495,014	499,060	503,074	510,996	528,788	537,981		
Morris County	NJ DOL	492,276	505,473	520,120	535,760	551,540				
Ocean County	2050 NYMTC	576,567	585,735	603,675	629,601	656,592	699,435	727,411	755,963	785,549
Ocean County	2040 NYMTC	576,567	600,610	630,410	660,257	700,911	752,969	787,972		
Ocean County	NJ DOL	576,567	587,998	601,460	616,240	630,900				
Passaic County	2050 NYMTC	501,226	505,892	515,359	528,416	545,994	561,209	584,980	607,568	630,541
Passaic County	2040 NYMTC	501,226	514,232	526,650	539,189	557,743	567,487	591,116		
Passaic County	NJ DOL	501,226	508,598	517,560	527,540	537,680				
Somerset County	2050 NYMTC	323,444	331,195	334,507	339,637	344,461	352,125	359,896	367,010	376,033
Somerset County	2040 NYMTC	323,444	333,261	342,855	352,518	366,461	393,733	404,303		
Somerset County	NJ DOL	323,444	334,458	345,080	355,640	365,920				
Sussex County	2050 NYMTC	149,265	149,798	151,005	151,373	152,028	154,194	156,225	157,703	158,637
Sussex County	2040 NYMTC	149,265	162,551	169,477	176,423	186,012	197,599	206,316		
Sussex County	NJ DOL	149,265	147,617	148,860	151,480	154,840				
Union County	2050 NYMTC	536,499	549,162	557,963	572,196	590,331	611,245	633,168	653,837	675,650
Union County	2040 NYMTC	536,499	547,894	560,307	572,855	591,607	604,427	627,703		
Union County	NJ DOL	536,499	553,101	568,400	584,020	599,120				
Warren County	2050 NYMTC	108,692	109,881	110,760	112,152	113,764	115,164	117,200	118,165	118,669
Warren County	2040 NYMTC	108,629	116,123	120,238	124,372	130,189	139,258	144,126		
Warren County	NJ DOL	108,692	108,332	109,180	110,520	112,160				

Source: U.S. Census; NYMTC 2050 SED Forecasts

Although NJ DOL generated multiple forecasts using a variety of forecasting techniques, the economic-demographic model results represent the preferred forecast option as indicated in the introduction to this Section. Whereas individual county level forecasts using these alternative methods were not published, Figure 3-16 presents the aggregated State-level results of each of the four approaches highlighted in the introduction to this Section.

FIGURE 3-16. NJ DEPARTMENT OF LABOR-NEW JERSEY STATE POPULATION PROJECTIONS



Source: New Jersey Department of Labor

The two pure demographic modeling approaches (historical and zero migration), are very similar to each other. Based on documentation provided by NJ DOL, the historical migration method is based on migration rates derived from the 2000-2012 time frame that saw relatively low levels of net in-migration. Thus, similar to the examples provided in Figure 3-12 and Figure 3-14, both the zero and historical migration forecasts lie noticeably lower than the preferred economic-demographic projections that are tied to projected employment.

Although the comparison of employment growth rates in Table 2-7 shows the NYMTC forecasts growing faster than the NJ DOL employment forecasts, the projected change in absolute terms is higher under the NJ DOL forecasts. Since the balancing of labor supply and demand is on the basis of persons and jobs rather than growth rates, the differences in projected job increases under both employment forecasts might help explain the general pattern of slightly higher population growth under the NJ DOL forecast scenario in most counties. One notable exception to this observation is Ocean County; the slightly higher growth rate in the 2050 forecasts may be due to the application in the NJ DOL forecast of New Jersey fertility rates that do not recognize the uniquely high fertility rates observed in Ocean County.

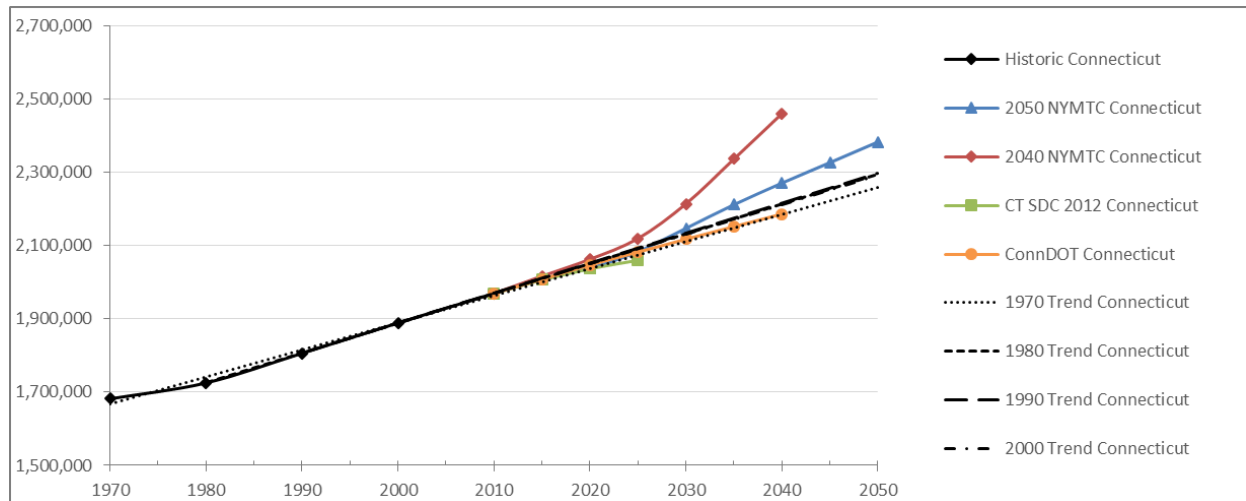
The accompanying data table to Figure 3-15 also includes a comparison of the Mercer population forecasts developed by DVRPC. Based on the various factors discussed previously, the principal difference between the DVRPC and 2050 NYMTC population forecasts is likely due to both the election to use the 2000-2010 time period as the basis for determining future migration rates, as well as the absence of economic migrants in the pure demographic approach.

3.4.5 Connecticut

Figure 3-17 compares the current population forecast against the previous NYMTC 2040 forecasts, as well as the forecasts developed by the Connecticut State Data Center (CSDC) using a pure demographic projection model, and linear extrapolations provided by ConnDOT. There is an even closer concentration of all four historic trendline extrapolations than that observed in Figure 3-13. This is also emblematic of the region's steady growth over a long period of time. Again, the 2050 forecasts appear noticeably lower

than the previous 2040 forecasts. Not surprisingly, the ConnDOT linear extrapolations align very closely to the historical growth trajectories.

FIGURE 3-17. TOTAL POPULATION FORECAST COMPARISON (CONNECTICUT)



Region	Source	2010	2015	2020	2025	2030	2035	2040	2045	2050
Connecticut	2050 NYMTC	1,969,233	2,009,426	2,037,859	2,083,317	2,146,877	2,211,434	2,270,317	2,326,094	2,382,367
Connecticut	2040 NYMTC	1,969,233	2,016,508	2,062,474	2,118,877	2,213,562	2,335,905	2,459,640		
Connecticut	CT SDC 2012	1,969,233	2,005,939	2,036,322	2,059,647					
Connecticut	ConnDOT	1,969,233	2,008,003	2,046,773	2,081,950	2,117,126	2,151,506	2,185,886		
Fairfield County	2050 NYMTC	916,829	940,639	948,901	966,693	995,809	1,028,231	1,060,727	1,091,982	1,123,422
Fairfield County	2040 NYMTC	916,829	944,677	958,271	985,494	1,026,785	1,080,224	1,137,001		
Fairfield County	CT SDC 2012	916,829	932,377	944,692	954,479					
Fairfield County	ConnDOT	916,829	935,738	954,647	970,535	986,422	1,001,948	1,017,473		
Litchfield County	2050 NYMTC	189,927	190,278	191,032	192,561	194,590	197,156	197,942	198,830	199,140
Litchfield County	2040 NYMTC	189,927	198,200	209,929	220,802	232,290	247,101	261,687		
Litchfield County	CT SDC 2012	189,927	192,188	193,116	193,112					
Litchfield County	ConnDOT	189,927	195,034	200,140	205,095	210,050	214,895	219,739		
New Haven County	2050 NYMTC	862,477	878,509	897,926	924,063	956,479	986,046	1,011,647	1,035,282	1,059,804
New Haven County	2040 NYMTC	862,477	873,631	894,274	912,581	954,487	1,008,581	1,060,951		
New Haven County	CT SDC 2012	862,477	881,374	898,514	912,056					
New Haven County	ConnDOT	862,477	877,232	891,986	906,320	920,654	934,664	948,674		

4.2 Labor Force Forecast Results

The labor force forecasts generated from the baseline population projections are presented in Table 4-1. Because the labor force projections are a derivative of the population forecasts, the labor force forecasts generally reflect the trends predicted for the population forecasts.

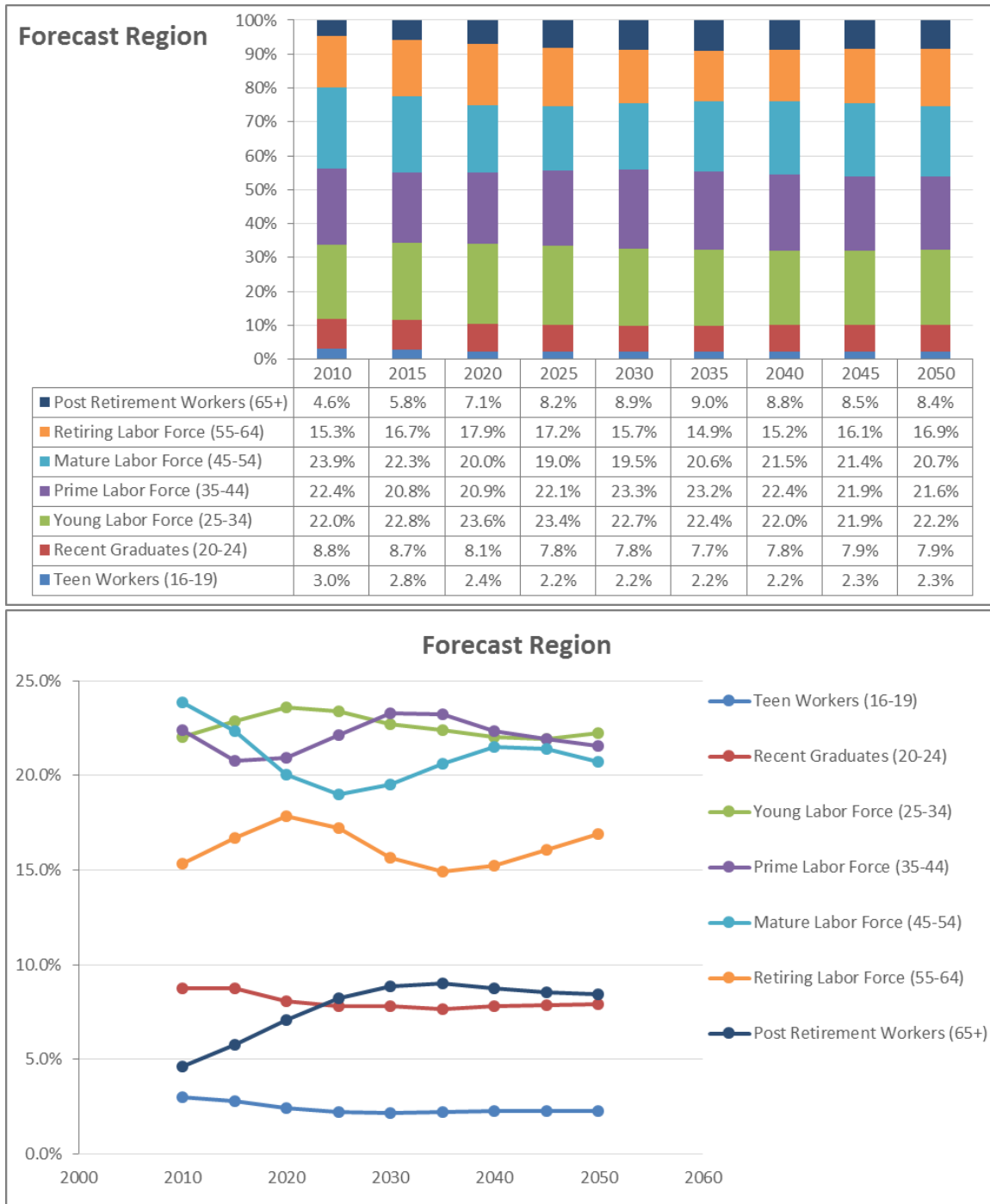
TABLE 4-1. CIVILIAN LABOR FORCE FORECASTS

	2010	2012	2020	2030	2040	2050	2010-2050		
							Difference		CAGR
FORECAST REGION	11,568,295	11,644,389	11,945,120	12,202,507	12,780,802	13,413,002	1,844,707	15.95%	0.37%
Bronx County	617,531	626,346	658,901	675,426	703,985	724,966	107,435	17.40%	0.40%
Kings County	1,236,176	1,249,146	1,298,927	1,331,047	1,383,097	1,399,489	163,313	13.21%	0.31%
New York County	921,966	928,934	963,700	968,735	985,267	991,260	69,294	7.52%	0.18%
Queens County	1,185,673	1,188,297	1,223,386	1,223,477	1,243,348	1,255,855	70,181	5.92%	0.14%
Richmond County	217,944	220,258	229,045	227,229	229,374	232,854	14,910	6.84%	0.17%
New York City Total	4,179,290	4,212,981	4,373,960	4,425,914	4,545,072	4,604,423	425,133	10.17%	0.24%
Nassau County	688,439	691,156	695,078	718,706	778,805	845,318	156,879	22.79%	0.51%
Suffolk County	784,674	781,696	780,721	792,891	830,276	877,474	92,800	11.83%	0.28%
Long Island Total	1,473,113	1,472,852	1,475,799	1,511,596	1,609,080	1,722,792	249,679	16.95%	0.39%
Dutchess County	155,789	158,314	162,202	163,052	171,058	182,767	26,977	17.32%	0.40%
Orange County	182,275	186,017	194,927	209,539	233,791	263,005	80,730	44.29%	0.92%
Putnam County	54,348	54,152	53,957	52,946	54,746	57,711	3,363	6.19%	0.15%
Rockland County	150,999	154,507	160,785	170,920	187,159	203,814	52,815	34.98%	0.75%
Sullivan County	39,099	38,907	38,403	40,268	42,892	45,530	6,431	16.45%	0.38%
Ulster County	94,826	94,836	94,947	94,418	96,177	98,608	3,782	3.99%	0.10%
Westchester County	497,887	499,481	506,684	528,333	567,671	618,046	120,159	24.13%	0.54%
Mid-Hudson Total	1,175,224	1,186,214	1,211,906	1,259,477	1,353,492	1,469,481	294,257	25.04%	0.56%
Bergen County	480,575	483,349	494,679	505,381	522,213	551,797	71,222	14.82%	0.35%
Essex County	400,430	404,351	414,817	430,353	452,600	481,733	81,303	20.30%	0.46%
Hudson County	360,289	362,620	371,580	395,707	430,422	460,872	100,583	27.92%	0.62%
Hunterdon County	69,840	71,915	75,563	72,630	73,626	77,217	7,378	10.56%	0.25%
Mercer County	195,951	195,327	197,576	209,043	227,716	248,754	52,802	26.95%	0.60%
Middlesex County	433,695	432,585	436,886	449,317	475,571	505,619	71,924	16.58%	0.38%
Monmouth County	333,624	335,249	338,259	330,274	337,918	351,740	18,116	5.43%	0.13%
Morris County	268,515	271,822	283,411	280,503	279,715	286,628	18,112	6.75%	0.16%
Ocean County	271,103	270,129	273,330	289,713	322,590	352,621	81,518	30.07%	0.66%
Passaic County	250,474	252,669	260,226	270,304	289,759	316,292	65,818	26.28%	0.58%
Somerset County	180,098	180,904	184,964	184,249	189,650	202,386	22,288	12.38%	0.29%
Sussex County	82,916	83,590	83,631	78,616	80,099	83,213	296	0.36%	0.01%
Union County	290,559	293,358	302,143	315,242	337,510	363,239	72,680	25.01%	0.56%
Warren County	58,848	59,118	60,089	59,422	60,198	62,202	3,354	5.70%	0.14%
New Jersey Total	3,676,918	3,696,985	3,777,155	3,870,753	4,079,586	4,344,313	667,396	18.15%	0.42%
Fairfield County	485,934	495,490	515,991	531,583	563,152	605,329	119,395	24.57%	0.55%
Litchfield County	106,195	107,961	110,090	106,406	106,976	110,958	4,762	4.48%	0.11%
New Haven County	471,620	471,907	480,219	496,778	523,444	555,705	84,085	17.83%	0.41%
Connecticut Total	1,063,750	1,075,358	1,106,300	1,134,767	1,193,572	1,271,993	208,243	19.58%	0.45%

Source: U.S. Census; PUMS Dataset; NYMTC 2050 SED Forecasts

Figure 4-2 presents the labor force forecast distribution by seven broad categories of age. This figure shows the share of post retirement workers (65 and over) increasing between 2010 and 2035, while the share of the teen and recent graduate workers is projected to fall slightly over the same time period.

FIGURE 4-2. LABOR FORCE FORECAST DISTRIBUTION BY AGE



The increasing share of post retirement workers is likely driven by both the projected number of workers accumulating in this age group as the region ages, and this age group's projected increase in labor force

participation (refer to *Modeling Methodology* Technical Memorandum for details of labor force participation rates). Conversely, the decline in the share of teen and recent graduate workers is likely due in part the projected decline in the labor force participation of both age groups. The fluctuations in the shares of workers in the other age groups (25 to 64) reflect the cycles of change in the population age composition.

The upper and lower forecasts of labor force are derived using the methodology described above and fed by the corresponding upper and lower forecasts of both population and employment. These forecasts are presented in Table 4-2 and Table 4-3.

TABLE 4-2. UPPER FORECASTS OF CIVILIAN LABOR FORCE

FORECAST REGION	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	11,568,295	11,644,389	11,788,495	12,019,532	12,173,270	12,366,140	12,675,092	13,047,454	13,417,276	13,787,826
Bronx County	617,531	626,346	642,773	662,199	672,876	682,187	696,624	714,554	728,045	739,479
Kings County	1,236,176	1,249,146	1,275,426	1,305,431	1,323,144	1,344,376	1,374,933	1,403,872	1,419,034	1,427,516
New York County	921,966	928,934	943,735	968,521	974,597	978,427	988,328	1,000,053	1,008,020	1,011,093
Queens County	1,185,673	1,188,297	1,198,432	1,229,504	1,231,449	1,235,715	1,247,624	1,262,002	1,272,181	1,280,977
Richmond County	217,944	220,258	225,069	230,194	229,868	229,507	230,677	232,824	235,802	237,523
NYC Total	4,179,290	4,212,981	4,285,435	4,395,849	4,431,934	4,470,212	4,538,186	4,613,305	4,663,083	4,696,588
Nassau County	688,439	691,156	696,264	702,063	713,996	733,797	764,037	802,730	840,597	877,658
Suffolk County	784,674	781,696	778,510	786,408	794,044	805,502	824,548	850,420	877,816	905,441
LI Total	1,473,113	1,472,852	1,474,774	1,488,471	1,508,040	1,539,300	1,588,585	1,653,150	1,718,412	1,783,098
Dutchess County	155,789	158,314	161,986	162,822	163,481	165,112	168,858	174,635	181,568	188,070
Orange County	182,275	186,017	191,447	195,872	203,073	212,434	224,231	238,847	254,525	270,525
Putnam County	54,348	54,152	53,939	54,289	54,080	53,785	54,553	56,108	57,926	59,601
Rockland County	150,999	154,507	159,935	161,981	166,855	173,638	181,770	191,481	200,475	209,754
Sullivan County	39,099	38,907	38,539	38,678	39,108	41,176	42,943	44,579	46,226	47,977
Ulster County	94,826	94,836	94,799	95,192	95,084	95,408	96,687	97,979	99,710	101,336
Westchester County	497,887	499,481	502,323	510,329	522,447	536,872	558,154	581,351	607,282	636,889
MH Total	1,175,224	1,186,214	1,202,968	1,219,163	1,244,128	1,278,425	1,327,196	1,384,980	1,447,712	1,514,153
Bergen County	480,575	483,349	488,422	498,459	507,380	513,509	524,533	534,733	549,492	568,315
Essex County	400,430	404,351	410,261	417,317	425,604	435,863	447,789	461,758	476,373	494,648
Hudson County	360,289	362,620	366,581	374,692	384,872	401,727	420,889	439,776	456,730	473,239
Hunterdon County	69,840	71,915	75,165	76,054	75,178	73,854	74,375	75,871	78,299	80,589
Mercer County	195,951	195,327	194,812	199,372	205,405	212,885	223,202	234,207	245,781	257,942
Middlesex County	433,695	432,585	431,873	440,508	446,711	456,676	471,326	488,314	504,449	524,816
Monmouth County	333,624	335,249	337,616	340,227	338,102	335,096	339,171	346,543	356,643	364,796
Morris County	268,515	271,822	277,182	285,288	286,195	284,791	284,267	286,896	291,608	296,707
Ocean County	271,103	270,129	269,140	275,440	284,700	294,362	314,981	330,709	347,854	365,105
Passaic County	250,474	252,669	256,240	261,742	266,871	273,389	280,860	294,613	308,457	322,934
Somerset County	180,098	180,904	182,718	186,642	188,304	187,697	190,332	195,525	202,327	211,245
Sussex County	82,916	83,590	84,721	84,175	81,951	79,906	80,390	82,286	84,547	86,337
Union County	290,559	293,358	297,949	304,174	310,845	319,644	331,531	345,192	359,477	374,663
Warren County	58,848	59,118	59,558	60,412	60,489	60,247	60,266	61,719	63,183	64,482
NJ Total	3,676,918	3,696,985	3,732,240	3,804,500	3,862,605	3,929,647	4,043,911	4,178,142	4,325,221	4,485,817
Fairfield County	485,934	495,490	510,137	518,663	526,726	538,476	553,944	575,486	598,774	623,579
Litchfield County	106,195	107,961	110,673	110,569	109,104	107,628	107,705	109,063	111,718	114,066
New Haven County	471,620	471,907	472,268	482,317	490,733	502,453	515,565	533,328	552,356	570,525
CT Total	1,063,750	1,075,358	1,093,078	1,111,549	1,126,563	1,148,557	1,177,214	1,217,877	1,262,848	1,308,170

Source: U.S. Census; PUMS Dataset; NYMTC 2050 SED Forecasts

TABLE 4-3. LOWER FORECASTS OF CIVILIAN LABOR FORCE

FORECAST REGION	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	11,568,295	11,644,389	11,788,495	12,019,532	12,173,270	12,366,140	12,675,092	13,047,454	13,417,276	13,787,826
Bronx County	617,531	626,346	642,773	662,199	672,876	682,187	696,624	714,554	728,045	739,479
Kings County	1,236,176	1,249,146	1,275,426	1,305,431	1,323,144	1,344,376	1,374,933	1,403,872	1,419,034	1,427,516
New York County	921,966	928,934	943,735	968,521	974,597	978,427	988,328	1,000,053	1,008,020	1,011,093
Queens County	1,185,673	1,188,297	1,198,432	1,229,504	1,231,449	1,235,715	1,247,624	1,262,002	1,272,181	1,280,977
Richmond County	217,944	220,258	225,069	230,194	229,868	229,507	230,677	232,824	235,802	237,523
NYC Total	4,179,290	4,212,981	4,285,435	4,395,849	4,431,934	4,470,212	4,538,186	4,613,305	4,663,083	4,696,588
Nassau County	688,439	691,156	696,264	702,063	713,996	733,797	764,037	802,730	840,597	877,658
Suffolk County	784,674	781,696	778,510	786,408	794,044	805,502	824,548	850,420	877,816	905,441
LI Total	1,473,113	1,472,852	1,474,774	1,488,471	1,508,040	1,539,300	1,588,585	1,653,150	1,718,412	1,783,098
Dutchess County	155,789	158,314	161,986	162,822	163,481	165,112	168,858	174,635	181,568	188,070
Orange County	182,275	186,017	191,447	195,872	203,073	212,434	224,231	238,847	254,525	270,525
Putnam County	54,348	54,152	53,939	54,289	54,080	53,785	54,553	56,108	57,926	59,601
Rockland County	150,999	154,507	159,935	161,981	166,855	173,638	181,770	191,481	200,475	209,754
Sullivan County	39,099	38,907	38,539	38,678	39,108	41,176	42,943	44,579	46,226	47,977
Ulster County	94,826	94,836	94,799	95,192	95,084	95,408	96,687	97,979	99,710	101,336
Westchester County	497,887	499,481	502,323	510,329	522,447	536,872	558,154	581,351	607,282	636,889
MH Total	1,175,224	1,186,214	1,202,968	1,219,163	1,244,128	1,278,425	1,327,196	1,384,980	1,447,712	1,514,153
Bergen County	480,575	483,349	488,422	498,459	507,380	513,509	524,533	534,733	549,492	568,315
Essex County	400,430	404,351	410,261	417,317	425,604	435,863	447,789	461,758	476,373	494,648
Hudson County	360,289	362,620	366,581	374,692	384,872	401,727	420,889	439,776	456,730	473,239
Hunterdon County	69,840	71,915	75,165	76,054	75,178	73,854	74,375	75,871	78,299	80,589
Mercer County	195,951	195,327	194,812	199,372	205,405	212,885	223,202	234,207	245,781	257,942
Middlesex County	433,695	432,585	431,873	440,508	446,711	456,676	471,326	488,314	504,449	524,816
Monmouth County	333,624	335,249	337,616	340,227	338,102	335,096	339,171	346,543	356,643	364,796
Morris County	268,515	271,822	277,182	285,288	286,195	284,791	284,267	286,896	291,608	296,707
Ocean County	271,103	270,129	269,140	275,440	284,700	294,362	314,981	330,709	347,854	365,105
Passaic County	250,474	252,669	256,240	261,742	266,871	273,389	280,860	294,613	308,457	322,934
Somerset County	180,098	180,904	182,718	186,642	188,304	187,697	190,332	195,525	202,327	211,245
Sussex County	82,916	83,590	84,721	84,175	81,951	79,906	80,390	82,286	84,547	86,337
Union County	290,559	293,358	297,949	304,174	310,845	319,644	331,531	345,192	359,477	374,663
Warren County	58,848	59,118	59,558	60,412	60,489	60,247	60,266	61,719	63,183	64,482
NJ Total	3,676,918	3,696,985	3,732,240	3,804,500	3,862,605	3,929,647	4,043,911	4,178,142	4,325,221	4,485,817
Fairfield County	485,934	495,490	510,137	518,663	526,726	538,476	553,944	575,486	598,774	623,579
Litchfield County	106,195	107,961	110,673	110,569	109,104	107,628	107,705	109,063	111,718	114,066
New Haven County	471,620	471,907	472,268	482,317	490,733	502,453	515,565	533,328	552,356	570,525
CT Total	1,063,750	1,075,358	1,093,078	1,111,549	1,126,563	1,148,557	1,177,214	1,217,877	1,262,848	1,308,170

Source: U.S. Census; PUMS Dataset; NYMTC 2050 SED Forecasts

4.3 Employed Labor Force Forecast Results

The employed labor force forecasts are generated simply by applying the forecasted unemployment rate, the projected civilian labor force projections, the resulting baseline, upper and lower employed labor force forecasts are presented in Table 4-4, Table 4-5 and Table 4-6.

TABLE 4-4. EMPLOYED CIVILIAN LABOR FORCE FORECASTS

	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	10,370,686	10,554,136	10,829,311	11,131,027	11,302,727	11,484,168	11,729,446	12,030,019	12,329,308	12,627,509
Bronx County	520,228	535,763	559,065	585,805	599,003	609,091	620,517	634,919	645,315	653,842
Kings County	1,101,924	1,122,046	1,152,228	1,193,810	1,214,446	1,235,586	1,260,650	1,284,009	1,294,684	1,299,227
New York County	837,475	849,545	867,651	896,415	903,122	906,501	913,458	922,017	927,079	927,625
Queens County	1,054,073	1,070,518	1,095,184	1,134,148	1,138,546	1,143,049	1,151,289	1,161,688	1,168,180	1,173,373
Richmond County	198,188	202,910	209,992	216,609	216,616	216,267	216,843	218,320	220,569	221,632
New York City Total	3,711,889	3,780,781	3,884,121	4,026,789	4,071,732	4,110,495	4,162,756	4,220,954	4,255,827	4,275,699
Nassau County	631,146	640,357	654,173	660,674	671,502	688,986	714,016	746,653	778,783	810,419
Suffolk County	719,152	723,808	730,791	741,118	748,692	758,764	773,624	794,592	817,079	839,763
Long Island Total	1,350,298	1,364,165	1,384,964	1,401,792	1,420,194	1,447,750	1,487,640	1,541,245	1,595,862	1,650,182
Dutchess County	140,167	144,063	149,906	152,065	153,054	154,632	157,520	162,239	168,016	173,344
Orange County	167,127	171,174	177,243	181,662	188,169	196,534	206,672	219,293	232,879	246,695
Putnam County	49,413	49,658	50,026	50,852	50,796	50,512	51,010	52,234	53,718	55,063
Rockland County	139,826	143,778	149,706	152,790	157,771	164,350	171,466	179,982	187,862	195,999
Sullivan County	33,369	33,980	34,896	35,440	36,001	37,821	39,117	40,291	41,480	42,769
Ulster County	85,282	85,787	86,545	88,367	88,834	89,345	90,191	91,022	92,231	93,323
Westchester County	455,021	459,737	466,811	475,858	487,252	500,251	518,112	537,534	559,676	585,235
Mid-Hudson Total	1,070,207	1,088,177	1,115,133	1,137,034	1,161,877	1,193,445	1,234,088	1,282,594	1,335,863	1,392,428
Bergen County	439,847	447,227	458,298	469,355	477,966	483,266	491,775	499,393	511,633	527,685
Essex County	344,101	350,899	361,096	372,938	383,338	393,804	403,207	414,222	425,958	440,885
Hudson County	313,256	322,426	336,181	345,519	355,988	371,874	388,410	404,534	419,065	433,152
Hunterdon County	62,863	65,897	70,448	71,926	71,309	69,932	69,962	70,898	72,710	74,357
Mercer County	174,984	175,667	176,692	182,340	188,484	195,401	203,876	212,879	222,485	232,546
Middlesex County	390,279	394,925	401,893	412,230	419,066	428,143	439,738	453,196	465,714	481,830
Monmouth County	304,710	308,177	313,377	317,498	316,150	312,989	315,156	320,259	327,793	333,359
Morris County	245,210	252,089	262,407	271,443	272,740	270,977	269,140	270,235	273,451	276,913
Ocean County	241,314	243,807	247,546	255,628	265,147	274,367	292,329	305,534	319,812	333,977
Passaic County	222,718	227,757	235,315	243,408	249,691	256,527	262,874	275,023	287,334	300,207
Somerset County	167,223	169,185	172,129	176,337	177,957	176,939	178,375	182,137	187,351	194,369
Sussex County	73,759	75,736	78,702	78,844	76,953	74,953	75,009	76,373	78,095	79,342
Union County	254,625	261,322	271,367	280,510	288,418	297,079	306,862	318,103	329,883	342,353
Warren County	53,593	54,176	55,051	56,228	56,445	56,153	55,869	56,891	57,932	58,785
New Jersey Total	3,288,483	3,349,291	3,440,502	3,534,201	3,599,652	3,662,405	3,752,583	3,859,677	3,979,216	4,109,759
Fairfield County	433,778	448,203	469,841	480,672	489,231	499,715	511,786	529,431	548,641	569,083
Litchfield County	95,796	98,886	103,520	104,335	103,331	101,914	101,597	102,469	104,541	106,282
New Haven County	420,236	424,633	431,229	446,203	456,709	468,444	478,995	493,650	509,358	524,075
Connecticut Total	949,810	971,722	1,004,590	1,031,210	1,049,271	1,070,073	1,092,378	1,125,549	1,162,540	1,199,440

Source: U.S. Census; PUMS Dataset; NYMTC 2050 SED Forecasts

TABLE 4-5. UPPER FORECASTS OF EMPLOYED CIVILIAN LABOR FORCE

FORECAST REGION	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	10,370,686	11,644,389	10,856,792	11,200,528	11,413,469	11,638,570	11,930,578	12,281,689	12,631,040	12,981,312
Bronx County	520,228	626,346	561,867	588,737	603,500	615,188	628,280	644,452	656,619	666,931
Kings County	1,101,924	1,249,146	1,158,427	1,199,788	1,223,567	1,247,960	1,276,430	1,303,296	1,317,372	1,325,246
New York County	837,475	928,934	871,667	900,899	909,898	915,570	924,881	935,853	943,309	946,185
Queens County	1,054,073	1,188,297	1,100,879	1,139,820	1,147,087	1,154,482	1,165,683	1,179,117	1,188,627	1,196,845
Richmond County	198,188	220,258	211,249	217,695	218,245	218,436	219,561	221,604	224,439	226,077
NYC Total	3,711,889	4,212,981	3,904,089	4,046,941	4,102,297	4,151,636	4,214,835	4,284,322	4,330,366	4,361,284
Nassau County	631,146	691,156	655,144	667,313	682,236	703,453	732,495	769,590	805,893	841,425
Suffolk County	719,152	781,696	731,998	746,517	757,522	770,833	789,111	813,871	840,089	866,527
LI Total	1,350,298	1,472,852	1,387,141	1,413,830	1,439,758	1,474,286	1,521,606	1,583,461	1,645,983	1,707,952
Dutchess County	140,167	158,314	149,799	152,646	154,356	156,585	160,153	165,632	172,208	178,374
Orange County	167,127	186,017	177,073	182,543	190,002	199,250	210,326	224,036	238,742	253,749
Putnam County	49,413	54,152	50,102	51,164	51,353	51,312	52,050	53,533	55,268	56,866
Rockland County	139,826	154,507	149,861	153,926	159,717	166,964	174,800	184,139	192,787	201,711
Sullivan County	33,369	38,907	34,825	35,694	36,485	38,673	40,339	41,876	43,423	45,068
Ulster County	85,282	94,836	86,497	88,595	89,406	90,282	91,505	92,728	94,366	95,905
Westchester County	455,021	499,481	467,232	479,282	493,135	508,336	528,522	550,487	575,042	603,078
MH Total	1,070,207	1,186,214	1,115,389	1,143,850	1,174,455	1,211,401	1,257,694	1,312,430	1,371,836	1,434,751
Bergen County	439,847	483,349	459,157	472,941	483,727	491,038	501,612	511,366	525,480	543,480
Essex County	344,101	404,351	361,122	375,185	386,836	398,847	409,819	422,604	435,980	452,705
Hudson County	313,256	362,620	336,609	348,413	360,226	377,531	395,574	413,325	429,260	444,775
Hunterdon County	62,863	71,915	70,576	72,392	72,068	71,111	71,620	73,060	75,398	77,603
Mercer County	174,984	195,327	177,076	183,997	191,064	198,993	208,659	218,947	229,767	241,135
Middlesex County	390,279	432,585	402,780	415,648	424,061	435,155	449,151	465,340	480,715	500,124
Monmouth County	304,710	335,249	313,311	319,345	319,233	317,560	321,446	328,433	338,005	345,732
Morris County	245,210	271,822	262,787	273,240	275,566	275,119	274,633	277,173	281,725	286,650
Ocean County	241,314	270,129	247,982	257,600	268,328	278,770	298,327	313,224	329,462	345,801
Passaic County	222,718	252,669	235,572	244,826	251,868	259,455	266,576	279,630	292,771	306,511
Somerset County	167,223	180,904	172,700	177,936	180,329	180,250	182,792	187,779	194,312	202,877
Sussex County	73,759	83,590	78,814	79,357	77,797	76,183	76,651	78,458	80,615	82,321
Union County	254,625	293,358	271,726	282,395	291,264	301,227	312,468	325,343	338,807	353,120
Warren County	53,593	59,118	55,084	56,530	56,947	56,933	56,956	58,329	59,712	60,940
NJ Total	3,288,483	3,696,985	3,445,295	3,559,806	3,639,314	3,718,172	3,826,283	3,953,011	4,092,008	4,243,776
Fairfield County	433,778	495,490	470,130	483,161	493,428	506,195	520,775	541,027	562,920	586,240
Litchfield County	95,796	107,961	103,581	104,788	104,076	103,083	103,167	104,467	107,011	109,259
New Haven County	420,236	471,907	431,166	448,152	460,141	473,796	486,219	502,971	520,916	538,051
CT Total	949,810	1,075,358	1,004,876	1,036,102	1,057,645	1,083,075	1,110,161	1,148,465	1,190,847	1,233,550

Source: U.S. Census; PUMS Dataset; NYMTC 2050 SED Forecasts

TABLE 4-6. LOWER FORECASTS OF EMPLOYED CIVILIAN LABOR FORCE

FORECAST REGION	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	10,370,686	11,644,389	10,784,390	11,010,555	11,107,909	11,203,156	11,358,722	11,564,484	11,771,183	11,973,580
Bronx County	520,228	626,346	555,405	580,950	596,755	606,042	616,635	630,153	639,664	647,298
Kings County	1,101,924	1,249,146	1,143,842	1,184,618	1,209,885	1,229,400	1,252,760	1,274,366	1,283,340	1,286,217
New York County	837,475	928,934	862,952	888,876	899,733	901,967	907,746	915,099	918,963	918,345
Queens County	1,054,073	1,188,297	1,087,669	1,126,393	1,134,275	1,137,333	1,144,092	1,152,974	1,157,956	1,161,637
Richmond County	198,188	220,258	208,145	214,996	215,801	215,183	215,484	216,679	218,634	219,410
NYC Total	3,711,889	4,212,981	3,858,012	3,995,834	4,056,450	4,089,925	4,136,717	4,189,270	4,218,557	4,232,907
Nassau County	631,146	691,156	651,916	653,837	649,620	652,655	663,007	680,429	698,096	715,124
Suffolk County	719,152	781,696	727,730	731,830	727,940	728,825	734,701	746,052	759,160	772,488
LI Total	1,350,298	1,472,852	1,379,646	1,385,667	1,377,560	1,381,480	1,397,708	1,426,480	1,457,256	1,487,612
Dutchess County	140,167	158,314	150,162	151,012	149,976	150,134	151,642	154,831	159,027	162,775
Orange County	167,127	186,017	177,671	180,256	183,524	189,590	197,495	207,593	218,626	229,823
Putnam County	49,413	54,152	49,835	50,406	49,707	48,849	48,777	49,388	50,273	51,003
Rockland County	139,826	154,507	149,326	150,909	153,022	157,511	162,581	168,871	174,666	180,712
Sullivan County	33,369	38,907	35,065	34,871	34,614	35,623	36,263	36,763	37,302	38,007
Ulster County	85,282	94,836	86,656	88,088	87,824	87,648	87,823	87,949	88,406	88,741
Westchester County	455,021	499,481	465,851	471,802	474,905	480,792	491,469	503,343	518,194	536,146
MH Total	1,070,207	1,186,214	1,114,566	1,127,345	1,133,572	1,150,146	1,176,050	1,208,739	1,246,493	1,287,208
Bergen County	439,847	483,349	456,194	462,653	464,484	464,738	467,844	470,057	477,322	488,236
Essex County	344,101	404,351	361,036	368,353	375,689	382,797	388,674	395,904	404,127	415,290
Hudson County	313,256	362,620	335,171	339,807	345,650	357,425	369,694	381,432	392,010	402,089
Hunterdon County	62,863	71,915	70,111	70,896	69,823	67,848	67,128	67,288	68,297	69,114
Mercer County	174,984	195,327	175,687	178,368	182,287	187,332	193,688	200,449	207,937	215,824
Middlesex County	390,279	432,585	399,622	405,142	407,630	412,595	419,392	427,735	435,200	445,578
Monmouth County	304,710	335,249	313,537	314,304	309,919	303,651	302,132	303,368	306,880	308,188
Morris County	245,210	271,822	261,430	267,523	266,763	262,863	258,717	257,430	258,400	259,454
Ocean County	241,314	270,129	246,411	250,968	257,577	264,747	279,973	290,381	301,549	312,342
Passaic County	222,718	252,669	234,749	240,309	244,268	249,290	253,701	263,662	273,919	284,705
Somerset County	167,223	180,904	170,663	172,737	172,578	169,959	169,504	171,243	174,352	178,931
Sussex County	73,759	83,590	78,409	77,739	75,215	72,618	71,997	72,637	73,649	74,161
Union County	254,625	293,358	270,447	276,523	282,150	288,209	295,096	303,247	311,958	321,137
Warren County	53,593	59,118	54,957	55,582	55,429	54,739	53,998	54,499	55,050	55,372
NJ Total	3,288,483	3,696,985	3,428,425	3,480,904	3,509,462	3,538,812	3,591,538	3,659,333	3,740,648	3,830,420
Fairfield County	433,778	495,490	469,073	475,578	479,732	485,603	493,072	505,804	520,063	535,400
Litchfield County	95,796	107,961	103,352	103,318	101,795	99,665	98,707	98,877	100,198	101,160
New Haven County	420,236	471,907	431,316	441,908	449,338	457,525	464,931	475,980	487,967	498,874
CT Total	949,810	1,075,358	1,003,741	1,020,805	1,030,865	1,042,793	1,056,710	1,080,661	1,108,228	1,135,433

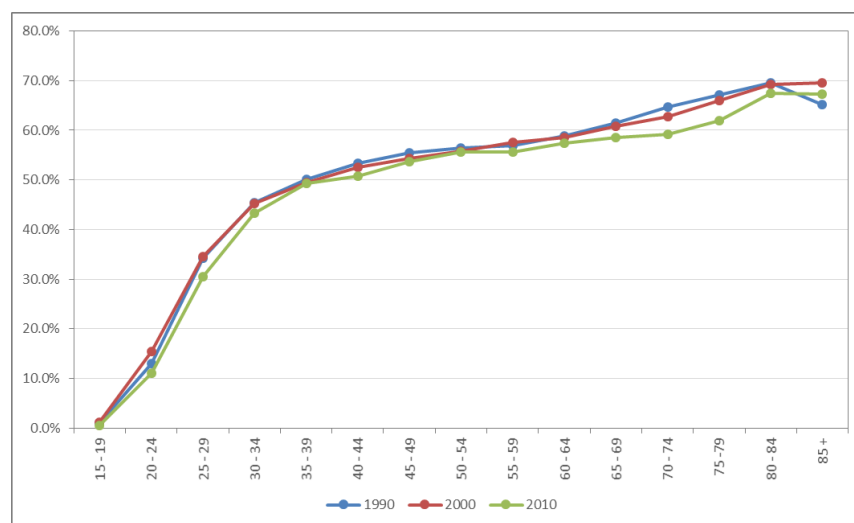
Source: U.S. Census; PUMS Dataset; NYMTC 2050 SED Forecasts

5.0 HOUSEHOLD FORECASTS

5.1 Methodological Overview

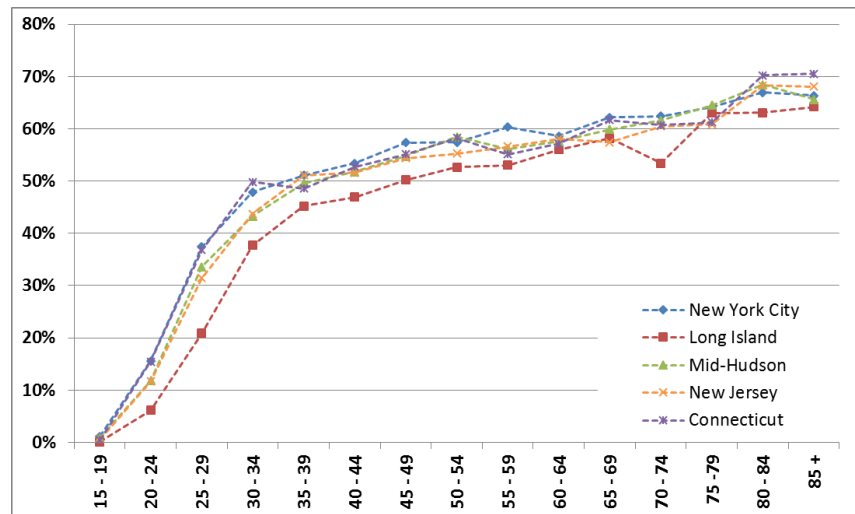
As indicated in the *Modeling Methodology* Technical Memorandum, two separate methods were used to generate the forecasts of households. In New York City, the 2010 average household size was held constant and applied to the forecasts of population in households (i.e. total population less population in group quarters) to generate the corresponding projections of future households. For the 26 counties outside New York City, the forecast of households was derived by multiplying the age-specific population forecasts, by the corresponding age-specific rates of household formation (headship rates). Figure 5-1 depicts the change in headship rates over time, while Figure 5-2 presents subregional differences in headship rates.

FIGURE 5-1. 26-COUNTY REGION HEADSHIP RATES BY AGE (1990-2010)



Source: PUMS Dataset

FIGURE 5-2. SUBREGIONAL HEADSHIP RATES BY AGE (2010)



Source: PUMS Dataset

5.2 Household Forecasts Results

The baseline forecasts of households (Table 5-1) were developed by applying the methodology described above to the baseline forecasts of population in households, while the upper and lower forecasts in Table 5-2 and Table 5-3 were generated using the upper and lower forecasts of population in households.

TABLE 5-1. HOUSEHOLD FORECASTS

	2010	2012	2020	2030	2040	2050	2010-2050		
							Difference		CAGR
FORECAST REGION	8,178,733	8,178,992	8,564,466	9,024,973	9,430,557	9,800,202	1,621,469	19.83%	0.45%
Bronx County	483,449	475,978	505,729	531,812	553,574	568,058	84,609	17.50%	0.40%
Kings County	934,946	919,333	970,431	1,009,636	1,041,768	1,063,145	128,199	13.71%	0.32%
New York County	763,846	746,686	790,209	809,544	817,038	822,059	58,213	7.62%	0.18%
Queens County	787,335	780,349	815,785	831,113	844,966	854,178	66,844	8.49%	0.20%
Richmond County	165,516	163,468	172,133	175,937	177,144	177,949	12,433	7.51%	0.18%
New York City Total	3,135,092	3,085,814	3,254,287	3,358,042	3,434,491	3,485,390	350,298	11.17%	0.27%
Nassau County	448,528	449,489	456,377	482,441	511,886	541,829	93,301	20.80%	0.47%
Suffolk County	499,922	503,348	523,081	560,510	588,168	612,077	112,155	22.43%	0.51%
Long Island Total	948,450	952,837	979,458	1,042,951	1,100,054	1,153,906	205,456	21.66%	0.49%
Dutchess County	107,965	109,628	115,718	124,013	129,717	134,452	26,487	24.53%	0.55%
Orange County	125,925	128,668	139,421	156,776	174,450	191,614	65,689	52.17%	1.06%
Putnam County	35,041	35,499	37,257	39,111	40,289	41,080	6,039	17.24%	0.40%
Rockland County	99,242	101,129	105,776	113,270	121,925	130,892	31,650	31.89%	0.69%
Sullivan County	30,139	30,511	31,763	34,045	36,231	38,313	8,174	27.12%	0.60%
Ulster County	71,049	72,269	76,691	81,184	83,096	83,804	12,755	17.95%	0.41%
Westchester County	347,232	351,046	362,624	386,163	411,423	438,277	91,045	26.22%	0.58%
Mid-Hudson Total	816,593	828,749	869,250	934,562	997,131	1,058,434	241,841	29.62%	0.65%
Bergen County	335,730	337,382	346,982	364,940	375,917	389,078	53,348	15.89%	0.37%
Essex County	283,712	286,130	297,143	317,134	335,761	355,508	71,796	25.31%	0.57%
Hudson County	246,437	251,646	267,536	289,731	317,032	344,953	98,516	39.98%	0.84%
Hunterdon County	47,169	47,697	49,824	51,821	52,722	53,142	5,973	12.66%	0.30%
Mercer County	133,155	133,253	138,260	150,619	163,141	176,177	43,022	32.31%	0.70%
Middlesex County	281,186	282,575	293,238	312,684	333,200	350,407	69,221	24.62%	0.55%
Monmouth County	233,983	235,823	245,710	256,009	262,238	267,928	33,945	14.51%	0.34%
Morris County	180,534	182,962	193,466	201,578	203,040	205,043	24,509	13.58%	0.32%
Ocean County	221,111	222,689	232,550	254,431	282,784	303,300	82,189	37.17%	0.79%
Passaic County	166,785	168,422	175,941	187,674	201,022	218,186	51,401	30.82%	0.67%
Somerset County	117,759	117,935	122,203	129,499	134,632	140,474	22,715	19.29%	0.44%
Sussex County	54,752	55,526	58,583	59,830	61,624	62,648	7,896	14.42%	0.34%
Union County	188,118	188,640	193,719	206,126	220,062	233,939	45,821	24.36%	0.55%
Warren County	41,480	42,084	44,423	46,875	48,541	49,300	7,820	18.85%	0.43%
New Jersey Total	2,531,911	2,552,765	2,659,576	2,828,953	2,991,717	3,150,082	618,171	24.42%	0.55%
Fairfield County	335,545	340,609	355,711	378,542	400,214	423,423	87,878	26.19%	0.58%
Litchfield County	76,640	78,338	83,337	87,181	88,741	89,367	12,727	16.61%	0.38%
New Haven County	334,502	339,880	362,848	394,742	418,210	439,601	105,099	31.42%	0.69%
Connecticut Total	746,687	758,827	801,895	860,465	907,165	952,391	205,704	27.55%	0.61%

Source: PUMS Dataset; NYMTC 2050 SED Forecasts

TABLE 5-2. UPPER HOUSEHOLD FORECASTS

	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	8,178,733	8,178,992	8,417,805	8,628,655	8,874,396	9,131,366	9,379,283	9,599,582	9,811,573	10,043,872
Bronx County	483,449	475,978	504,736	516,181	530,361	542,786	554,389	564,983	572,482	579,757
Kings County	934,946	919,333	972,826	990,104	1,011,999	1,030,093	1,047,269	1,062,868	1,074,155	1,084,672
New York County	763,846	746,686	792,538	806,691	818,642	826,413	831,324	834,057	836,037	839,178
Queens County	787,335	780,349	817,551	832,300	840,661	847,933	855,452	862,064	866,750	871,460
Richmond County	165,516	163,468	172,410	175,632	177,934	179,512	180,527	180,743	181,260	181,564
NYC Total	3,135,092	3,085,814	3,260,061	3,320,907	3,379,597	3,426,737	3,468,961	3,504,715	3,530,683	3,556,632
Nassau County	448,528	449,489	450,087	456,426	470,245	487,147	504,847	523,353	541,470	561,062
Suffolk County	499,922	503,348	507,343	522,601	542,820	564,069	581,923	597,621	612,654	628,673
LI Total	948,450	952,837	957,431	979,027	1,013,065	1,051,216	1,086,770	1,120,973	1,154,125	1,189,735
Dutchess County	107,965	109,628	112,033	115,752	120,220	124,924	128,791	131,863	134,783	138,136
Orange County	125,925	128,668	132,710	139,548	148,259	158,113	168,093	177,565	186,876	196,947
Putnam County	35,041	35,499	36,110	37,221	38,316	39,365	40,256	40,950	41,574	42,213
Rockland County	99,242	101,129	103,786	105,768	109,285	114,150	119,164	124,024	128,804	134,400
Sullivan County	30,139	30,511	31,030	31,787	32,688	34,525	36,141	37,473	38,859	40,423
Ulster County	71,049	72,269	74,035	76,677	79,264	81,655	83,335	84,296	85,098	85,923
Westchester County	347,232	351,046	356,223	362,632	374,238	389,219	404,455	418,802	433,711	450,631
MH Total	816,593	828,749	845,927	869,384	902,269	941,951	980,235	1,014,973	1,049,703	1,088,672
Bergen County	335,730	337,382	339,103	346,693	356,918	367,251	376,518	381,857	388,761	398,912
Essex County	283,712	286,130	289,382	297,204	307,505	319,160	330,089	340,763	351,268	363,927
Hudson County	246,437	251,646	258,964	267,545	277,920	291,778	306,902	322,000	337,583	353,079
Hunterdon County	47,169	47,697	48,344	49,740	51,091	52,152	53,027	53,764	54,441	55,042
Mercer County	133,155	133,253	132,989	138,059	144,536	151,580	159,036	166,010	173,167	181,258
Middlesex County	281,186	282,575	283,857	292,869	302,516	314,512	326,720	338,799	348,713	360,930
Monmouth County	233,983	235,823	238,325	245,803	252,197	257,852	263,276	266,976	271,798	276,389
Morris County	180,534	182,962	186,160	193,256	198,197	202,748	204,966	206,267	208,399	210,572
Ocean County	221,111	222,689	224,608	232,365	243,550	255,746	274,755	286,676	298,744	310,954
Passaic County	166,785	168,422	170,596	175,861	181,789	188,552	194,622	203,270	212,490	222,025
Somerset County	117,759	117,935	117,747	121,913	126,390	130,193	133,700	137,015	140,304	145,008
Sussex County	54,752	55,526	56,542	58,509	59,460	60,201	61,401	62,656	63,656	64,459
Union County	188,118	188,640	189,010	193,564	199,779	207,265	215,410	223,402	231,275	240,020
Warren County	41,480	42,084	42,902	44,388	45,737	47,147	48,149	49,335	50,115	50,727
NJ Total	2,531,911	2,552,765	2,578,527	2,657,768	2,747,586	2,846,138	2,948,572	3,038,789	3,130,714	3,233,301
Fairfield County	335,545	340,609	347,602	355,503	366,808	380,792	394,107	406,443	419,802	434,488
Litchfield County	76,640	78,338	80,746	83,268	85,616	87,570	89,170	89,822	90,586	91,336
New Haven County	334,502	339,880	347,511	362,798	379,455	396,963	411,468	423,866	435,961	449,709
CT Total	746,687	758,827	775,859	801,569	831,879	865,324	894,745	920,131	946,349	975,532

Source: PUMS Dataset; NYMTC 2050 SED Forecasts

TABLE 5-3. LOWER HOUSEHOLD FORECASTS

	2010	2012	2015	2020	2025	2030	2035	2040	2045	2050
FORECAST REGION	8,178,733	8,178,992	8,348,723	8,509,039	8,679,454	8,852,571	9,007,315	9,125,174	9,230,900	9,351,033
Bronx County	483,449	475,978	493,869	504,422	517,619	529,069	539,688	549,296	555,870	562,209
Kings County	934,946	919,333	952,283	967,972	988,127	1,004,521	1,019,976	1,033,856	1,043,506	1,052,381
New York County	763,846	746,686	775,320	788,149	798,791	805,327	809,058	810,656	811,517	813,499
Queens County	787,335	780,349	800,312	813,721	820,856	826,907	833,181	838,555	842,040	845,537
Richmond County	165,516	163,468	168,759	171,695	173,725	175,044	175,809	175,794	176,071	176,141
NYC Total	3,135,092	3,085,814	3,190,544	3,245,960	3,299,119	3,340,868	3,377,712	3,408,157	3,429,003	3,449,768
Nassau County	448,528	449,489	449,907	453,050	457,686	463,582	469,086	474,171	478,527	484,052
Suffolk County	499,922	503,348	507,046	518,385	530,753	543,586	552,507	558,328	562,968	568,260
LI Total	948,450	952,837	956,953	971,435	988,439	1,007,169	1,021,593	1,032,499	1,041,495	1,052,311
Dutchess County	107,965	109,628	112,254	115,217	118,144	121,319	123,571	124,821	125,779	127,082
Orange County	125,925	128,668	133,006	138,741	145,098	152,622	160,101	166,694	172,949	179,780
Putnam County	35,041	35,499	36,091	37,016	37,644	38,150	38,452	38,499	38,456	38,400
Rockland County	99,242	101,129	103,779	104,855	106,477	109,504	112,607	115,371	118,032	121,426
Sullivan County	30,139	30,511	31,164	31,478	31,674	32,563	33,212	33,514	33,838	34,355
Ulster County	71,049	72,269	74,158	76,561	78,511	80,105	80,899	80,875	80,579	80,244
Westchester County	347,232	351,046	356,268	360,433	366,137	374,600	382,701	389,207	396,071	404,643
MH Total	816,593	828,749	846,720	864,301	883,684	908,863	931,543	948,981	965,702	985,929
Bergen County	335,730	337,382	338,810	343,424	348,558	353,814	357,499	356,953	358,134	362,372
Essex County	283,712	286,130	289,724	294,650	301,899	309,930	316,784	322,888	328,822	336,600
Hudson County	246,437	251,646	258,905	264,282	270,605	280,204	290,673	300,732	311,350	321,768
Hunterdon County	47,169	47,697	48,307	49,247	50,132	50,553	50,604	50,436	50,162	49,743
Mercer County	133,155	133,253	132,895	136,166	140,635	145,567	150,548	154,809	159,242	164,456
Middlesex County	281,186	282,575	283,552	289,551	295,550	303,424	310,661	317,061	320,982	326,491
Monmouth County	233,983	235,823	238,667	244,083	247,854	250,350	251,869	251,189	251,198	250,546
Morris County	180,534	182,962	186,106	191,399	194,443	196,726	196,402	194,955	194,336	193,563
Ocean County	221,111	222,689	224,460	229,970	238,423	247,920	263,391	271,418	278,977	286,135
Passaic County	166,785	168,422	170,596	174,355	178,395	183,320	187,395	193,753	200,627	207,741
Somerset County	117,759	117,935	117,467	120,284	123,226	125,293	126,710	127,698	128,533	130,429
Sussex County	54,752	55,526	56,531	57,972	58,321	58,372	58,769	59,127	59,209	59,033
Union County	188,118	188,640	188,963	191,665	195,925	200,975	206,224	210,974	215,437	220,481
Warren County	41,480	42,084	42,936	44,054	45,016	45,940	46,359	46,854	46,933	46,786
NJ Total	2,531,911	2,552,765	2,577,918	2,631,102	2,688,981	2,752,388	2,813,887	2,858,848	2,903,944	2,956,146
Fairfield County	335,545	340,609	347,800	352,990	360,619	369,983	378,169	384,901	392,291	400,636
Litchfield County	76,640	78,338	80,790	82,753	84,548	85,696	86,455	86,181	85,935	85,585
New Haven County	334,502	339,880	347,996	360,498	374,063	387,604	397,956	405,607	412,530	420,657
CT Total	746,687	758,827	776,587	796,241	819,230	843,283	862,581	876,690	890,756	906,878

Source: PUMS Dataset; NYMTC 2050 SED Forecasts

APPENDIX A: COUNTY LEVEL BASELINE POPULATION FORECASTS BY AGE AND SEX

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
Bronx	0-4	52,481	54,433	56,065	56,656	56,530	56,584	57,394	58,690	59,752	50,663	52,337	53,907	54,471	54,350	54,398	55,177	56,421	57,443	103,144	106,770	109,972	111,127	110,880	110,982	112,571	115,111	117,195	
	5-9	50,271	51,998	54,028	56,158	56,808	56,668	56,684	57,079	58,421	48,393	50,010	51,747	53,685	54,329	54,225	54,258	54,801	56,092	98,664	102,008	105,775	109,843	111,137	110,893	110,942	111,880	114,513	
	10-14	50,693	47,213	48,911	51,301	53,379	53,985	53,812	53,405	53,819	48,466	45,210	46,792	48,780	50,686	51,312	51,198	50,992	51,548	99,159	92,423	95,703	100,081	104,065	105,297	105,010	104,397	105,367	
	15-19	59,451	54,454	50,977	53,147	55,655	57,784	58,370	57,794	57,417	56,211	51,297	48,010	49,967	52,098	54,095	54,730	54,388	54,216	115,662	105,751	98,987	103,114	107,753	111,879	113,100	112,182	111,633	
	20-24	56,609	61,438	56,461	53,379	55,642	58,200	60,337	60,529	59,984	56,288	62,743	57,366	54,044	56,299	58,701	60,919	61,397	61,060	112,897	124,181	113,827	107,423	111,941	116,901	121,256	121,926	121,044	
	25-29	49,741	56,093	61,135	56,491	53,338	55,685	58,305	60,114	60,352	55,969	59,760	66,860	61,396	57,833	60,326	62,944	65,121	65,691	105,710	115,853	127,995	117,887	111,171	116,011	121,249	125,235	126,043	
	30-34	44,868	46,484	52,573	57,888	53,495	50,471	52,683	54,781	56,542	52,956	53,485	57,224	64,546	59,317	55,867	58,280	60,563	62,727	97,824	99,969	109,797	122,434	112,812	106,338	110,963	115,344	119,269	
	35-39	41,799	41,238	42,794	48,889	53,904	49,800	46,941	48,637	50,620	49,217	50,159	50,736	54,693	61,801	56,810	53,483	55,551	57,780	91,016	91,397	93,530	103,582	115,705	106,610	100,424	104,188	108,400	
	40-44	44,514	39,681	39,212	41,059	46,883	51,652	47,722	44,688	46,319	51,559	47,038	48,005	48,917	52,802	59,679	54,854	51,425	53,453	96,073	86,719	87,217	89,976	99,685	111,331	102,576	96,113	99,772	
	45-49	44,690	42,441	37,903	37,816	39,629	45,252	49,807	45,712	42,846	52,879	49,896	45,593	46,877	47,836	51,662	58,364	53,426	50,133	97,569	92,337	83,496	84,693	87,465	96,914	108,171	99,138	92,979	
	50-54	40,146	42,780	40,663	36,628	36,578	38,378	43,859	48,001	44,050	47,883	51,690	48,832	44,943	46,281	47,269	51,051	57,469	52,633	88,029	94,470	89,495	81,571	82,859	85,647	94,910	105,470	96,683	
	55-59	32,476	35,447	37,853	36,376	32,767	32,758	34,361	39,046	42,799	40,069	44,190	47,779	45,516	41,951	43,249	44,160	47,507	53,533	72,545	79,637	85,632	81,892	74,718	76,007	78,521	86,553	96,332	
	60-64	26,607	29,340	32,091	34,701	33,373	30,095	30,065	31,354	35,685	34,327	37,502	41,415	45,171	43,100	39,794	41,011	41,727	44,925	60,934	66,842	73,506	79,872	76,473	69,889	71,076	73,081	80,610	
	65-69	19,009	21,621	23,873	26,494	28,675	27,667	24,937	24,766	25,847	26,340	30,273	33,115	36,931	40,336	38,586	35,623	36,598	37,269	45,349	51,894	56,988	63,425	69,011	66,253	60,560	61,364	63,116	
	70-74	14,093	15,376	17,500	19,635	21,801	23,699	22,851	20,518	20,396	20,701	22,514	25,880	28,614	31,936	34,988	33,469	30,854	31,722	34,794	37,890	43,380	48,249	53,737	58,687	56,320	51,372	52,118	
	75-79	9,842	11,069	12,084	14,011	15,722	17,575	19,078	18,361	16,514	16,357	17,548	19,084	22,181	24,528	27,491	30,075	28,777	26,581	26,199	28,617	31,168	36,192	40,250	45,066	49,153	47,138	43,095	
	80-84	6,657	6,574	7,376	8,254	9,544	10,822	12,058	13,090	12,620	12,844	12,059	12,916	14,261	16,509	18,382	20,524	22,467	21,545	19,501	18,633	20,292	22,515	26,053	29,204	32,582	35,557	34,165	
	85 +	5,686	5,822	5,845	6,514	7,268	8,453	9,637	10,886	11,994	14,353	14,512	14,183	14,885	16,015	18,130	20,224	22,662	25,016	20,039	20,334	20,028	21,399	23,283	26,583	29,861	33,548	37,010	
	TOTAL	649,633	663,502	677,344	695,397	710,991	725,528	738,901	747,451	755,977	735,475	752,223	769,444	789,878	808,007	824,964	840,344	852,146	863,367	1,385,108	1,415,725	1,446,788	1,485,275	1,518,998	1,550,492	1,579,245	1,599,597	1,619,344	
	Kings	0-4	92,033	95,459	95,633	94,299	93,213	93,637	95,424	97,416	98,376	88,320	91,088	91,253	89,974	88,939	89,337	91,041	92,934	93,850	180,353	186,547	186,886	184,273	182,152	182,974	186,465	190,350	192,226
5-9		82,854	88,750	92,245	93,244	91,956	90,809	91,203	92,453	94,473	79,448	85,140	88,007	88,769	87,552	86,480	86,878	88,256	90,192	162,302	173,890	180,252	182,013	179,508	177,289	178,081	180,709	184,665	
10-14		81,059	79,288	85,107	89,258	90,240	88,907	87,779	87,686	88,971	78,345	76,026	81,654	84,984	85,752	84,512	83,486	83,598	85,015	159,404	155,314	166,761	174,242	175,992	173,419	171,265	171,284	173,986	
15-19		88,267	82,485	80,852	87,480	91,728	92,649	91,272	89,671	89,655	85,405	79,880	77,709	83,918	87,324	88,041	86,794	85,492	85,692	173,672	162,365	158,561	171,398	179,052	180,690	178,066	175,163	175,347	
20-24		98,382	94,609	88,639	87,613	94,723	99,200	100,167	98,234	96,609	100,771	97,553	91,433	89,465	96,612	100,458	101,290	99,594	98,193	199,153	192,162	180,072	177,078	191,335	199,658	201,457	197,828	194,802	
25-29		107,861	111,268	107,146	101,093	99,923	108,042	113,176	113,791	111,663	118,655	117,884	114,275	107,613	105,297	113,758	118,355	119,037	117,120	226,516	229,152	221,421	208,706	205,220	221,800	231,531	232,828	228,783	
30-34		98,835	103,911	107,409	104,372	98,493	97,280	105,159	109,588	110,286	107,431	114,635	114,135	111,392	104,923	102,593	110,866	114,991	115,777	206,266	218,546	221,544	215,764	203,416	199,873	216,025	224,579	226,063	
35-39		86,401	91,700	96,615	100,822	97,985	92,395	91,236	98,116	102,350	94,487	101,833</																	

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	25-29	85,210	90,488	83,561	76,754	74,497	81,026	83,549	86,824	86,825	101,523	110,019	96,509	88,459	85,260	92,552	95,961	100,002	99,943	186,733	200,507	180,070	165,213	159,757	173,578	179,510	186,826	186,768	
	30-34	75,662	83,462	89,530	82,919	76,080	73,381	79,513	81,566	85,006	78,839	91,240	100,599	88,733	81,096	77,538	83,804	86,615	90,631	154,501	174,702	190,129	171,652	157,176	150,919	163,317	168,181	175,637	
	35-39	61,417	63,803	71,162	76,685	71,014	64,713	62,070	66,827	68,748	61,499	63,883	75,318	83,739	73,707	66,790	63,454	68,316	70,892	122,916	127,686	146,480	160,424	144,721	131,503	125,524	135,143	139,640	
	40-44	56,418	52,145	54,741	61,264	65,960	60,729	55,094	52,548	56,682	54,810	52,707	55,698	66,153	73,405	64,128	57,781	54,697	59,095	111,228	104,852	110,439	127,417	139,365	124,857	112,875	107,245	115,777	
	45-49	52,702	50,191	46,927	49,459	55,262	59,088	54,174	48,942	46,839	51,454	48,892	47,805	50,899	60,335	66,445	57,730	51,845	49,259	104,156	99,083	94,732	100,358	115,597	125,533	111,904	100,787	96,098	
	50-54	47,839	48,457	46,610	43,796	46,151	51,280	54,550	49,765	45,082	50,974	49,358	47,632	46,915	49,869	58,705	64,301	55,704	50,200	98,813	97,815	94,242	90,711	96,020	109,985	118,851	105,469	95,282	
	55-59	42,980	41,933	42,918	41,511	38,990	40,882	45,205	47,857	43,763	49,668	46,494	45,751	44,502	43,761	46,209	54,109	59,095	51,364	92,648	88,427	88,669	86,013	82,751	87,091	99,314	106,952	95,127	
	60-64	37,558	39,164	38,585	39,752	38,434	35,924	37,493	41,319	43,874	48,016	48,055	45,672	45,306	44,000	43,016	45,189	52,796	57,857	85,574	87,219	84,257	85,058	82,434	78,940	82,682	94,115	101,731	
	65-69	28,065	31,124	32,829	32,612	33,604	32,359	30,057	31,271	34,591	37,279	42,754	43,505	41,740	41,336	39,920	38,804	40,689	47,722	65,344	73,878	76,334	74,352	74,940	72,279	68,861	71,960	82,313	
	70-74	21,367	23,431	26,280	28,009	27,820	28,612	27,397	25,391	26,494	28,658	32,542	37,947	39,035	37,391	36,863	35,397	34,378	36,176	50,025	55,973	64,227	67,044	65,211	65,475	62,794	59,769	62,670	
	75-79	16,165	17,072	18,943	21,549	22,969	22,831	23,347	22,360	20,780	22,201	24,449	28,216	33,301	34,191	32,677	32,029	30,791	30,022	38,366	41,521	47,159	54,850	57,160	55,508	55,376	53,151	50,802	
	80-84	11,570	11,554	12,352	13,966	15,865	16,994	16,784	17,239	16,571	18,461	16,746	18,763	22,001	25,852	26,561	25,234	24,852	24,004	30,031	28,300	31,115	35,967	41,717	43,555	42,018	42,091	40,575	
	85 +	9,236	10,357	10,969	12,037	13,456	15,376	16,707	17,306	17,916	21,151	21,417	21,002	22,704	25,559	29,589	31,688	32,158	32,307	30,387	31,774	31,971	34,741	39,015	44,965	48,395	49,464	50,223	
	TOTAL	744,441	756,124	768,821	778,645	784,567	787,965	789,515	789,767	791,162	841,432	854,573	869,461	882,929	892,153	898,327	902,102	905,709	910,436	1,585,873	1,610,697	1,638,282	1,661,574	1,676,720	1,686,292	1,691,617	1,695,476	1,701,598	
Queens	0-4	68,457	69,534	70,893	71,631	71,828	72,228	73,114	74,253	75,154	65,118	65,959	67,248	67,943	68,130	68,505	69,345	70,421	71,276	133,575	135,493	138,141	139,574	139,958	140,733	142,459	144,674	146,430	
	5-9	63,903	66,640	67,773	68,390	69,139	69,305	69,671	70,185	71,279	60,832	63,685	64,569	65,543	66,274	66,459	66,841	67,508	68,574	124,735	130,325	132,342	133,933	135,413	135,764	136,512	137,693	139,853	
	10-14	63,395	63,053	65,832	66,266	66,903	67,611	67,753	67,783	68,281	60,925	60,619	63,519	64,118	65,135	65,862	66,060	66,288	66,964	124,320	123,672	129,351	130,384	132,038	133,473	133,813	134,071	135,245	
	15-19	72,387	69,480	69,186	71,523	72,019	72,679	73,417	73,253	73,283	67,732	65,279	65,012	67,791	68,469	69,539	70,317	70,377	70,631	140,119	134,759	134,198	139,314	140,488	142,218	143,734	143,630	143,914	
	20-24	82,678	85,733	82,357	81,331	84,124	84,695	85,454	85,993	85,798	79,739	83,311	80,335	79,726	83,206	84,046	85,382	86,187	86,276	162,417	169,044	162,692	161,057	167,330	168,741	170,836	172,180	172,074	
	25-29	92,932	97,214	100,938	96,125	94,957	98,229	98,877	99,386	100,015	94,226	95,413	99,792	95,858	95,187	99,376	100,404	101,823	102,809	187,158	192,627	200,730	191,983	190,144	197,605	199,281	201,209	202,824	
	30-34	89,335	90,577	94,870	97,512	92,906	91,759	94,896	95,075	95,561	89,872	92,886	94,145	98,047	94,246	93,593	97,743	98,537	99,955	179,207	183,463	189,015	195,559	187,152	185,352	192,639	193,612	195,516	
	35-39	83,193	83,491	84,758	87,843	90,335	86,064	84,977	87,455	87,617	82,814	85,227	88,170	88,963	92,727	89,144	88,546	92,264	93,035	166,007	168,718	172,928	176,806	183,062	175,208	173,523	179,719	180,652	
	40-44	80,916	77,423	77,799	78,160	81,042	83,341	79,385	78,021	80,288	82,452	80,099	82,507	84,984	85,817	89,465	86,031	85,271	88,869	163,368	157,522	160,306	163,144	166,859	172,806	165,416	163,292	169,157	
	45-49	80,560	75,309	72,161	71,785	72,156	74,831	76,923	72,961	71,709	84,581	79,585	77,389	79,379	81,825	82,653	86,181	82,707	81,997	165,141	154,894	149,550	151,164	153,981	157,484	163,104	155,668	153,706	
	50-54	76,842	76,834	71,922	68,277	67,957	68,348	70,856	72,538	68,806	83,374	83,984	79,097	76,619	78,650	81,110	81,949	85,286	81,868	160,216	160,818	151,019	144,896	146,607	149,458	152,805	157,824	150,674	
	55-59	64,799	68,936	69,019	64,0																								

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total								
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050
	65-69	8,821	11,061	11,973	13,007	13,510	12,233	11,601	11,067	12,001	10,303	13,176	13,995	14,985	15,396	13,941	12,778	12,229	12,308	19,124	24,237	25,968	27,992	28,906	26,174	24,379	23,296	24,309
	70-74	6,004	7,409	9,305	10,104	10,990	11,478	10,394	9,921	9,467	7,503	9,324	11,927	12,650	13,558	13,986	12,671	11,679	11,178	13,507	16,733	21,232	22,754	24,548	25,464	23,065	21,600	20,645
	75-79	4,442	4,704	5,814	7,346	7,987	8,761	9,151	8,364	7,986	6,153	6,264	7,767	9,913	10,521	11,343	11,702	10,692	9,863	10,595	10,968	13,581	17,259	18,508	20,104	20,853	19,056	17,849
	80-84	3,044	3,127	3,315	4,132	5,216	5,745	6,298	6,668	6,100	5,219	4,854	4,944	6,117	7,773	8,326	8,967	9,349	8,556	8,263	7,981	8,259	10,249	12,989	14,071	15,265	16,017	14,656
	85 +	2,339	2,605	2,752	2,958	3,511	4,433	5,083	5,781	6,270	5,516	5,900	5,852	5,930	6,701	8,206	9,238	10,301	11,040	7,855	8,505	8,604	8,888	10,212	12,639	14,321	16,082	17,310
	TOTAL	227,289	232,967	238,138	242,231	245,270	247,582	248,858	250,476	251,815	241,441	245,392	249,017	251,209	252,479	252,937	252,251	252,043	251,536	468,730	478,359	487,155	493,440	497,749	500,519	501,109	502,519	503,351
NYC	0-4	266,620	273,866	279,271	280,079	277,569	276,607	279,627	284,923	288,980	255,370	261,343	266,507	267,257	264,857	263,916	266,799	271,840	275,720	521,990	535,209	545,778	547,336	542,426	540,523	546,426	556,763	564,700
	5-9	243,408	256,120	263,837	269,706	270,582	267,890	266,836	268,369	273,668	233,631	245,520	252,169	257,984	258,815	256,280	255,316	257,398	262,532	477,039	501,640	516,006	527,690	529,397	524,170	522,152	525,767	536,200
	10-14	240,515	233,474	246,239	254,263	259,960	260,449	257,670	255,340	257,037	231,394	224,093	236,214	243,347	248,998	249,514	246,980	245,395	247,676	471,909	457,567	482,453	497,610	508,958	509,963	504,650	500,735	504,713
	15-19	273,907	256,773	250,227	263,895	272,209	277,720	278,013	273,914	271,793	265,937	249,010	242,305	255,403	262,815	268,342	268,737	265,503	264,186	539,844	505,783	492,532	519,298	535,024	546,062	546,750	539,417	535,979
	20-24	315,485	315,676	296,613	289,880	306,091	315,252	321,586	320,604	315,629	331,998	330,399	309,590	301,803	319,162	328,476	335,817	335,531	330,846	647,483	646,075	606,203	591,683	625,253	643,728	657,403	656,135	646,475
	25-29	350,994	371,517	369,892	347,023	339,052	359,228	370,020	376,561	375,615	385,111	398,879	394,064	368,801	359,143	381,209	392,737	401,364	401,256	736,105	770,396	763,956	715,824	698,195	740,437	762,757	777,925	776,871
	30-34	323,227	340,094	361,303	360,248	337,983	329,679	348,946	357,598	364,329	344,430	367,632	382,613	380,020	355,701	345,818	366,540	376,460	385,167	667,657	707,726	743,916	740,268	693,684	675,497	715,486	734,058	749,496
	35-39	288,181	294,794	311,051	331,189	330,845	310,038	302,069	317,818	326,013	304,118	316,445	338,543	353,060	352,119	329,199	319,830	337,726	347,266	592,299	611,239	649,594	684,249	682,964	639,237	621,899	655,544	673,279
	40-44	276,953	264,822	271,603	286,890	305,492	305,302	285,997	277,348	291,800	294,872	285,275	298,025	319,295	332,656	332,215	310,496	300,977	317,962	571,825	550,097	569,628	606,185	638,148	637,517	596,493	578,325	609,762
	45-49	273,136	256,691	246,329	253,111	267,292	284,304	284,129	265,054	257,317	297,137	279,307	271,339	284,405	304,431	316,488	316,385	295,042	286,397	570,273	535,998	517,668	537,516	571,723	600,792	600,514	560,096	543,714
	50-54	256,915	259,971	245,016	235,719	242,232	255,605	271,631	270,535	252,660	289,289	292,103	275,581	268,603	281,583	300,981	312,533	311,896	291,225	546,204	552,074	520,597	504,322	523,815	556,586	584,164	582,431	543,885
	55-59	220,408	227,629	231,153	218,510	210,206	215,873	227,539	240,856	240,250	259,253	266,368	270,086	255,809	249,368	261,179	278,851	288,893	288,794	479,661	493,997	501,239	474,319	459,574	477,052	506,390	529,749	529,044
	60-64	187,200	201,703	208,966	213,056	201,473	193,945	199,023	209,143	221,639	230,927	247,576	255,221	259,786	246,215	240,101	251,330	267,984	277,978	418,127	449,279	464,187	472,842	447,688	434,046	450,353	477,127	499,617
	65-69	129,816	152,858	165,293	172,229	175,750	166,472	159,998	163,702	172,334	169,717	200,273	215,571	223,356	227,484	215,784	210,121	219,590	234,557	299,533	353,131	380,864	395,585	403,234	382,256	370,119	383,292	406,891
	70-74	99,777	107,592	127,163	138,513	144,268	147,707	139,756	134,268	137,613	136,624	149,194	176,909	191,619	198,436	202,362	191,788	186,837	195,543	236,401	256,786	304,072	330,132	342,704	350,069	331,544	321,105	333,156
	75-79	72,561	78,343	84,811	101,325	110,361	115,585	118,187	111,993	107,756	107,116	114,344	125,425	149,857	162,200	168,466	171,591	162,976	159,006	179,677	192,687	210,236	251,182	272,561	284,051	289,778	274,969	266,762
	80-84	52,678	49,843	53,972	59,444	70,895	78,006	81,437	83,696	79,458	91,048	79,955	85,686	95,162	113,348	123,403	127,809	130,768	124,491	143,726	129,798	139,658	154,606	184,243	201,409	209,246	214,464	203,949
	85 +	43,660	46,338	46,075	49,601	54,214	63,926	71,765	77,788	81,663	99,211	101,294	96,310	99,718	107,222	123,682	137,256	147,834	154,864	142,871	147,632	142,385	149,319	161,436	187,608	209,021	225,622	236,527
	TOTAL	3,915,441	3,988,104	4,058,814	4,124,681	4,176,474	4,223,588	4,264,229	4,289,510	4,315																		

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	10-14	54,526	51,902	47,568	46,983	49,882	52,656	54,789	55,304	55,138	51,841	49,425	45,125	44,247	46,658	48,920	51,102	51,063	50,797	106,367	101,328	92,693	91,230	96,540	101,576	105,890	106,367	105,935	
	15-19	55,950	52,413	50,110	46,788	47,083	50,237	52,946	55,057	55,797	51,042	48,777	46,569	43,166	43,097	45,589	47,722	49,819	49,883	106,992	101,190	96,678	89,954	90,181	95,827	100,668	104,876	105,680	
	20-24	47,334	49,261	45,473	44,136	41,354	41,985	45,096	47,398	49,325	43,037	44,815	42,271	40,860	37,994	38,145	40,657	42,440	44,405	90,371	94,075	87,744	84,995	79,348	80,130	85,753	89,838	93,730	
	25-29	41,993	46,587	48,529	45,591	44,945	42,255	42,971	46,167	48,710	39,675	43,667	45,677	43,986	43,150	40,107	40,249	42,852	44,929	81,668	90,254	94,205	89,577	88,095	82,362	83,220	89,019	93,639	
	30-34	42,498	43,787	48,880	52,146	50,171	49,659	46,929	47,539	51,125	42,519	42,535	46,877	50,092	49,300	48,602	45,484	45,422	48,316	85,017	86,322	95,757	102,239	99,471	98,261	92,414	92,961	99,441	
	35-39	47,250	44,920	46,559	52,815	57,488	55,960	55,310	52,534	53,265	49,197	45,751	45,757	50,951	55,317	54,967	54,203	51,022	50,965	96,447	90,671	92,315	103,766	112,804	110,927	109,513	103,557	104,230	
	40-44	57,575	48,489	46,267	48,809	56,146	61,449	60,024	59,322	56,775	59,319	49,950	46,826	47,573	53,578	58,070	57,742	56,964	53,966	116,894	98,439	93,093	96,383	109,724	119,518	117,766	116,286	110,741	
	45-49	63,435	54,997	46,879	45,758	49,168	56,871	62,122	60,565	60,155	65,024	56,415	47,612	45,656	47,214	52,931	57,210	56,654	56,114	128,459	111,411	94,491	91,414	96,382	109,802	119,332	117,219	116,269	
	50-54	58,186	60,162	52,511	45,608	45,421	49,007	56,758	61,904	60,423	59,137	62,770	54,635	46,891	45,764	47,301	53,082	57,323	56,849	117,323	122,932	107,146	92,498	91,185	96,308	109,841	119,227	117,272	
	55-59	46,474	54,656	57,044	50,415	44,454	44,457	48,112	55,870	61,075	48,464	55,996	60,043	52,879	46,098	45,405	47,006	52,917	57,307	94,938	110,652	117,087	103,294	90,551	89,862	95,118	108,787	118,383	
	60-64	39,345	41,782	49,697	52,295	46,307	40,889	41,352	45,039	52,750	43,933	44,543	52,127	56,490	49,811	43,418	43,122	44,872	50,934	83,278	86,325	101,824	108,785	96,118	84,307	84,474	89,912	103,684	
	65-69	28,899	35,276	37,257	44,708	46,816	41,086	36,380	37,199	40,760	33,753	41,324	41,709	49,055	53,149	46,421	40,460	40,484	42,243	62,652	76,600	78,966	93,764	99,965	87,507	76,840	77,683	83,003	
	70-74	20,431	25,550	31,153	32,850	39,736	41,508	36,283	32,257	33,293	24,900	31,530	38,561	38,977	45,982	49,868	43,495	38,087	38,231	45,331	57,080	69,714	71,827	85,718	91,376	79,778	70,344	71,524	
	75-79	15,950	17,106	21,550	26,416	27,952	34,068	35,704	31,283	27,978	20,839	22,486	28,490	34,983	35,538	41,949	45,510	40,033	35,186	36,789	39,593	50,040	61,398	63,489	76,018	81,214	71,316	63,165	
	80-84	11,795	12,339	13,345	16,960	20,988	22,417	27,561	29,168	25,811	17,385	18,024	19,527	24,738	30,612	31,566	37,034	40,835	36,558	29,180	30,362	32,872	41,697	51,601	53,984	64,596	70,003	62,370	
	85 +	8,815	11,187	12,575	13,971	17,217	21,419	24,376	29,584	33,258	19,026	22,147	24,360	26,854	32,300	39,847	44,496	52,060	59,584	27,841	33,334	36,935	40,825	49,517	61,267	68,873	81,644	92,842	
	TOTAL	734,668	738,529	743,621	758,319	781,735	804,796	825,424	843,928	863,803	758,682	763,664	769,416	783,981	806,157	825,535	840,318	853,618	867,382	1,493,350	1,502,193	1,513,038	1,542,300	1,587,892	1,630,332	1,665,742	1,697,546	1,731,185	
	Long Island	0-4	81,800	78,862	82,058	85,592	90,694	92,818	93,255	93,047	94,616	78,072	75,717	78,509	81,712	86,371	87,756	88,158	87,899	89,404	159,872	154,579	160,567	167,304	177,065	180,574	181,413	180,946	184,020
		5-9	92,907	87,485	83,663	88,322	93,442	98,828	101,380	101,746	101,718	88,317	83,114	79,559	83,676	88,274	93,489	95,242	95,535	95,272	181,224	170,600	163,222	171,998	181,717	192,317	196,622	197,281	196,990
10-14		102,486	98,885	92,408	90,105	96,123	101,992	107,814	110,460	111,202	97,488	94,470	87,877	85,561	90,776	95,896	101,478	103,297	103,799	199,974	193,355	180,284	175,666	186,899	197,889	209,292	213,757	215,001	
15-19		104,665	100,596	96,723	92,317	91,775	98,201	104,095	109,587	112,633	96,397	93,482	90,381	85,581	84,768	90,279	95,280	100,422	102,200	201,062	194,078	187,104	177,898	176,543	188,480	199,375	210,009	214,833	
20-24		88,438	93,213	87,888	85,710	82,342	82,261	88,845	93,660	98,700	81,309	85,706	81,724	80,148	76,284	75,962	81,667	85,775	90,619	169,747	178,919	169,612	165,858	158,625	158,223	170,511	179,435	189,319	
25-29		78,400	86,181	90,238	86,594	85,590	82,868	83,017	89,480	93,714	74,520	81,353	85,965	83,870	83,625	79,776	79,602	85,095	89,184	152,920	167,534	176,202	170,464	169,215	162,645	162,618	174,575	182,899	
30-34		77,609	80,920	89,114	95,827	94,108	93,623	91,065	91,023	98,220	78,712	80,543	87,831	94,952	94,600	94,644	90,946	90,336	96,524	156,321	161,463	176,945	190,779	188,708	188,267	182,010	181,359	194,744	
35-39		86,099	82,295	85,806	96,481	105,808	105,229	104,699	102,097	102,421	90,931	85,466	87,019	96,430	106,026	106,772	106,875	103,065	102,623	177,030	167,761	172,825	192,911	211,834	212,001	211,574	205,161	205,045	
40-44		103,922	88,108	84,611																									

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	50-54	12,506	12,622	10,432	8,457	8,365	9,237	10,959	12,114	11,449	12,072	12,505	10,651	8,987	8,539	9,349	11,610	12,344	11,865	24,578	25,127	21,082	17,444	16,903	18,586	22,569	24,457	23,314	
	55-59	10,167	11,874	11,955	9,973	8,173	8,162	9,049	10,771	11,930	10,197	11,689	12,102	10,456	8,936	8,538	9,371	11,676	12,436	20,364	23,563	24,057	20,430	17,109	16,700	18,419	22,447	24,365	
	60-64	8,171	9,131	10,719	10,843	9,000	7,397	7,529	8,419	10,111	8,587	9,724	11,166	11,680	10,142	8,691	8,327	9,190	11,512	16,758	18,855	21,884	22,523	19,142	16,087	15,857	17,609	21,623	
	65-69	5,807	7,608	8,510	10,017	10,142	8,418	6,933	7,092	7,956	6,422	8,299	9,425	10,839	11,369	9,912	8,496	8,154	8,997	12,229	15,907	17,935	20,856	21,510	18,330	15,429	15,246	16,953	
	70-74	4,261	5,150	6,783	7,587	8,973	9,084	7,524	6,218	6,421	4,945	5,999	7,769	8,854	10,207	10,740	9,377	8,080	7,767	9,206	11,149	14,552	16,441	19,180	19,823	16,901	14,298	14,188	
	75-79	3,480	3,482	4,256	5,650	6,334	7,548	7,655	6,339	5,270	4,110	4,347	5,299	6,894	7,888	9,133	9,607	8,456	7,317	7,590	7,829	9,555	12,544	14,222	16,681	17,262	14,795	12,587	
	80-84	2,320	2,599	2,620	3,249	4,362	4,920	5,927	6,047	5,028	3,388	3,354	3,573	4,388	5,749	6,623	7,668	8,177	7,243	5,708	5,953	6,193	7,637	10,111	11,543	13,596	14,224	12,271	
	85 +	1,759	2,196	2,573	2,759	3,307	4,347	5,201	6,330	6,941	3,812	4,189	4,382	4,680	5,478	6,939	8,293	9,923	11,220	5,571	6,385	6,955	7,440	8,784	11,286	13,493	16,253	18,161	
	TOTAL	148,112	149,627	150,590	153,233	157,101	160,886	164,194	167,313	170,911	149,376	151,981	154,139	158,334	163,739	168,880	173,076	176,965	180,878	297,488	301,608	304,729	311,567	320,840	329,766	337,270	344,278	351,790	
Orange	0-4	13,558	13,370	14,047	15,081	16,129	16,925	17,579	18,213	19,238	12,930	12,889	13,548	14,532	15,528	16,289	16,909	17,637	18,631	26,488	26,260	27,595	29,613	31,657	33,214	34,488	35,851	37,870	
	5-9	14,360	14,402	14,205	15,136	16,421	17,586	18,470	19,168	19,922	13,605	13,714	13,668	14,568	15,780	16,883	17,724	18,388	19,230	27,965	28,116	27,874	29,704	32,202	34,469	36,194	37,556	39,152	
	10-14	14,928	15,014	15,047	15,126	16,263	17,640	18,884	19,832	20,652	14,102	14,120	14,217	14,425	15,515	16,803	17,970	18,851	19,623	29,030	29,134	29,264	29,551	31,778	34,443	36,853	38,684	40,276	
	15-19	15,783	15,852	15,928	16,261	16,577	17,778	19,245	20,546	21,656	13,683	13,487	13,501	13,848	14,223	15,334	16,590	17,705	18,613	29,466	29,338	29,430	30,109	30,800	33,112	35,835	38,251	40,269	
	20-24	13,958	14,160	14,203	14,402	14,810	15,102	16,285	17,556	18,753	10,766	11,840	11,456	11,668	12,079	12,406	13,476	14,535	15,510	24,724	26,000	25,658	26,070	26,889	27,508	29,761	32,091	34,263	
	25-29	10,438	11,769	11,694	11,990	12,299	12,687	12,910	14,033	15,149	10,157	11,226	12,339	12,247	12,626	13,100	13,456	14,526	15,711	20,595	22,995	24,033	24,237	24,925	25,787	26,366	28,560	30,860	
	30-34	10,548	11,612	13,051	13,423	13,960	14,368	14,819	14,966	16,193	10,528	11,406	12,568	14,103	14,393	14,843	15,385	15,760	16,962	21,076	23,017	25,619	27,526	28,353	29,211	30,204	30,726	33,156	
	35-39	11,734	11,209	12,227	14,036	14,754	15,374	15,822	16,257	16,500	12,368	11,421	12,217	13,686	15,541	16,000	16,485	17,046	17,528	24,102	22,630	24,444	27,722	30,295	31,374	32,306	33,303	34,028	
	40-44	13,897	12,061	11,479	12,751	14,844	15,672	16,318	16,778	17,306	14,326	12,582	11,599	12,617	14,312	16,267	16,756	17,199	17,841	28,223	24,643	23,078	25,368	29,156	31,939	33,074	33,976	35,147	
	45-49	14,910	13,350	11,565	11,310	12,819	14,958	15,739	16,321	16,837	15,291	14,092	12,362	11,635	12,853	14,606	16,578	17,029	17,531	30,201	27,441	23,927	22,945	25,673	29,564	32,317	33,350	34,368	
	50-54	14,007	14,282	12,732	11,238	11,184	12,747	14,875	15,581	16,200	13,904	14,851	13,647	12,225	11,703	12,989	14,747	16,685	17,164	27,911	29,132	26,379	23,463	22,887	25,736	29,623	32,266	33,364	
	55-59	11,301	13,160	13,357	12,096	10,831	10,862	12,443	14,521	15,209	11,798	13,476	14,383	13,465	12,237	11,761	13,066	14,833	16,834	23,099	26,636	27,740	25,561	23,068	22,622	25,508	29,353	32,044	
	60-64	9,272	10,148	11,876	12,178	11,085	9,951	10,080	11,632	13,641	9,676	11,107	12,692	13,736	12,946	11,784	11,351	12,678	14,447	18,948	21,254	24,569	25,914	24,031	21,735	21,430	24,310	28,088	
	65-69	6,319	8,368	9,113	10,725	10,959	9,944	8,944	9,101	10,593	6,993	9,158	10,531	12,058	13,075	12,344	11,235	10,855	12,153	13,312	17,527	19,644	22,784	24,034	22,288	20,179	19,956	22,746	
	70-74	4,169	5,497	7,309	7,933	9,403	9,589	8,690	7,844	8,055	4,973	6,534	8,578	9,894	11,358	12,350	11,668	10,660	10,322	9,142	12,030	15,887	17,828	20,761	21,939	20,359	18,504	18,377	
	75-79	3,137	3,482	4,634	6,196	6,733	8,041	8,216	7,426	6,740	4,068	4,460	5,880	7,749	8,976	10,343	11,248	10,711	9,824	7,205	7,942	10,513	13,945	15,709	18,384	19,464	18,137	16,563	
	80-84	2,244	2,406	2,697	3,631	4,899	5,353	6,459	6,592	5,990	3,494	3,364	3,711	4,921	6,530	7,621	8,783	9,631	9,234	5,738	5,771	6,408	8,552	11,429	12,975	15,241	16,222	15,224	
	85 +	1,726	2,038	2,276	2,585	3,375	4,578	5,374	6,510	7,094	3,8																		

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
Rockland	TOTAL	49,789	49,915	50,065	50,576	51,574	52,827	53,984	54,956	55,887	49,921	50,168	50,434	51,050	52,129	53,397	54,297	54,968	55,537	99,710	100,083	100,499	101,627	103,703	106,224	108,281	109,924	111,425	
	0-4	12,250	12,107	12,202	12,808	13,546	14,223	14,750	15,147	15,630	11,551	11,437	11,554	12,108	12,784	13,437	13,930	14,377	14,827	23,801	23,543	23,757	24,917	26,330	27,661	28,681	29,523	30,457	
	5-9	12,514	13,139	12,795	13,118	13,915	14,688	15,400	15,826	16,308	11,771	12,167	11,873	12,186	12,893	13,583	14,255	14,678	15,190	24,285	25,306	24,668	25,303	26,808	28,271	29,655	30,504	31,498	
	10-14	12,478	13,456	13,880	13,803	14,296	15,164	15,981	16,731	17,265	11,986	12,648	12,863	12,788	13,240	13,991	14,717	15,437	15,953	24,464	26,104	26,743	26,592	27,536	29,155	30,698	32,168	33,218	
	15-19	12,236	12,282	12,954	13,599	13,674	14,180	15,025	15,763	16,548	11,242	11,548	12,078	12,472	12,519	12,962	13,688	14,321	15,058	23,478	23,830	25,031	26,071	26,193	27,141	28,712	30,084	31,606	
	20-24	9,979	10,401	10,192	11,026	11,601	11,558	12,072	12,783	13,412	9,100	9,670	9,565	10,253	10,608	10,607	11,048	11,679	12,218	19,079	20,071	19,758	21,279	22,209	22,165	23,120	24,462	25,630	
	25-29	9,254	9,888	9,691	9,702	10,686	11,174	11,087	11,560	12,297	8,709	9,233	9,191	9,285	10,112	10,365	10,341	10,691	11,356	17,963	19,121	18,882	18,988	20,798	21,539	21,428	22,251	23,653	
	30-34	8,609	9,629	10,231	10,300	10,468	11,492	12,022	11,888	12,427	8,329	9,360	9,926	10,143	10,394	11,280	11,600	11,538	11,945	16,938	18,989	20,157	20,443	20,862	22,773	23,622	23,426	24,372	
	35-39	8,602	9,156	10,015	10,930	11,229	11,455	12,492	13,063	13,015	9,207	9,031	10,016	10,872	11,306	11,604	12,510	12,833	12,844	17,809	18,187	20,031	21,802	22,535	23,059	25,002	25,896	25,858	
	40-44	10,048	8,855	9,259	10,374	11,510	11,873	12,078	13,115	13,780	10,671	9,505	9,114	10,318	11,365	11,871	12,152	13,074	13,474	20,719	18,360	18,373	20,691	22,875	23,744	24,229	26,190	27,255	
	45-49	11,054	9,877	8,674	9,306	10,592	11,776	12,111	12,256	13,365	11,702	10,551	8,839	8,740	10,109	11,147	11,583	11,819	12,789	22,756	20,427	17,513	18,046	20,700	22,922	23,693	24,075	26,154	
	50-54	10,794	10,809	9,503	8,544	9,345	10,636	11,796	11,985	12,171	11,200	11,405	10,182	8,699	8,765	10,143	11,144	11,358	11,624	21,994	22,215	19,685	17,243	18,110	20,778	22,939	23,343	23,795	
	55-59	9,292	10,086	9,881	8,810	8,053	8,931	10,165	11,222	11,380	9,956	10,539	10,576	9,576	8,281	8,437	9,819	10,680	10,877	19,248	20,625	20,457	18,386	16,333	17,368	19,984	21,902	22,257	
	60-64	8,094	8,225	8,935	8,863	7,939	7,270	8,220	9,266	10,255	9,218	8,950	9,345	9,532	8,635	7,400	7,699	8,974	9,719	17,312	17,174	18,279	18,395	16,574	14,671	15,918	18,239	19,973	
	65-69	5,824	7,008	6,895	7,600	7,456	6,537	6,041	6,878	7,760	6,911	8,434	7,944	8,379	8,535	7,637	6,517	6,864	8,083	12,735	15,441	14,839	15,979	15,992	14,174	12,558	13,742	15,843	
	70-74	4,254	5,099	6,015	5,842	6,533	6,342	5,519	5,123	5,966	5,277	6,399	7,693	7,188	7,638	7,769	6,908	5,892	6,286	9,531	11,498	13,708	13,029	14,171	14,112	12,427	11,015	12,252	
	75-79	3,401	3,787	4,448	5,271	5,122	5,725	5,561	4,776	4,469	4,476	4,903	5,786	6,979	6,516	6,941	7,054	6,278	5,366	7,877	8,690	10,234	12,250	11,638	12,666	12,615	11,054	9,835	
	80-84	2,421	2,742	2,995	3,551	4,241	4,128	4,665	4,549	3,925	3,581	3,959	4,183	4,968	6,025	5,636	6,010	6,162	5,505	6,002	6,701	7,178	8,518	10,266	9,763	10,675	10,711	9,430	
	85 +	1,775	2,466	2,954	3,373	3,993	4,794	5,110	5,652	5,864	3,921	4,863	5,576	6,180	7,167	8,572	9,030	9,710	10,295	5,696	7,329	8,530	9,553	11,160	13,366	14,140	15,362	16,159	
	TOTAL	152,879	159,013	161,519	166,819	174,198	181,947	190,092	197,584	205,837	158,808	164,601	166,305	170,665	176,892	183,382	190,005	196,364	203,407	311,687	323,613	327,825	337,484	351,090	365,329	380,097	393,948	409,244	
Sullivan	0-4	2,403	2,175	2,186	2,147	2,193	2,252	2,318	2,384	2,445	2,223	1,996	2,007	1,973	2,022	2,078	2,141	2,207	2,266	4,626	4,172	4,193	4,120	4,215	4,330	4,459	4,591	4,710	
	5-9	2,477	2,387	2,158	2,197	2,266	2,312	2,355	2,421	2,503	2,251	2,364	2,142	2,164	2,235	2,290	2,339	2,407	2,494	4,728	4,751	4,300	4,361	4,501	4,601	4,693	4,828	4,996	
	10-14	2,556	2,624	2,535	2,351	2,494	2,571	2,606	2,651	2,737	2,322	2,317	2,427	2,261	2,385	2,462	2,508	2,561	2,648	4,878	4,941	4,961	4,612	4,879	5,033	5,114	5,212	5,386	
	15-19	2,766	2,641	2,702	2,645	2,583	2,725	2,789	2,825	2,890	2,585	2,276	2,273	2,435	2,384	2,513	2,574	2,622	2,693	5,351	4,917	4,975	5,080	4,967	5,238	5,363	5,447	5,583	
	20-24	2,365	2,048	2,018	2,081	2,060	2,000	2,158	2,169	2,209	2,111	1,999	1,720	1,802	2,000	1,885	2,044	2,059	2,111	4,476	4,047	3,738	3,882	4,061	3,885	4,203	4,228	4,320	
	25-29	2,107	2,328	2,007	1,953	2,098	2,067	1,993	2,161	2,173	2,141	2,150	2,035	1,762	1,926	2,135	2,000	2,165	2,191	4,248	4,478	4,043	3,715	4,024	4,202	3,993	4,326	4,364	
	30-34	2,295	2,220	2,432	2,147	2,205	2,360	2,312	2,228	2,420	2,045	2,283	2,305	2,248	2,073	2,234	2,449	2,316	2,498	4,340	4,503	4,737	4,395	4,278	4,594				

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	35-39	5,720	5,386	5,636	6,420	6,544	5,948	5,712	5,613	5,684	5,428	5,186	5,207	6,104	6,537	5,696	5,530	5,553	5,356	11,148	10,573	10,843	12,525	13,081	11,644	11,242	11,166	11,040	
	40-44	6,684	5,770	5,433	5,737	6,608	6,789	6,191	5,951	5,869	6,315	5,505	5,259	5,332	6,307	6,797	5,944	5,770	5,810	12,999	11,275	10,692	11,070	12,915	13,586	12,135	11,721	11,679	
	45-49	7,849	6,619	5,725	5,453	5,830	6,751	6,943	6,349	6,127	7,569	6,348	5,539	5,340	5,472	6,493	7,003	6,155	5,987	15,418	12,967	11,264	10,792	11,302	13,244	13,946	12,505	12,114	
	50-54	7,720	7,781	6,593	5,761	5,544	5,952	6,890	7,112	6,540	7,551	7,639	6,448	5,672	5,507	5,662	6,693	7,249	6,427	15,271	15,420	13,041	11,433	11,051	11,614	13,583	14,361	12,967	
	55-59	6,693	7,643	7,751	6,676	5,900	5,696	6,103	7,068	7,350	6,914	7,653	7,781	6,689	5,949	5,790	5,940	7,008	7,640	13,607	15,296	15,532	13,365	11,849	11,486	12,043	14,076	14,989	
	60-64	5,890	6,405	7,334	7,512	6,543	5,815	5,623	6,041	7,025	6,120	6,571	7,293	7,462	6,445	5,764	5,622	5,795	6,878	12,010	12,976	14,628	14,975	12,988	11,580	11,245	11,836	13,903	
	65-69	4,123	5,477	5,952	6,836	7,004	6,094	5,431	5,271	5,686	4,486	5,836	6,280	6,982	7,158	6,196	5,541	5,422	5,598	8,609	11,314	12,232	13,818	14,161	12,290	10,971	10,693	11,284	
	70-74	2,768	3,747	4,995	5,445	6,275	6,450	5,631	5,034	4,902	3,087	4,035	5,265	5,663	6,321	6,489	5,595	5,040	4,957	5,855	7,782	10,260	11,109	12,596	12,940	11,226	10,074	9,859	
	75-79	2,214	2,338	3,195	4,280	4,676	5,422	5,591	4,890	4,397	2,664	2,749	3,595	4,714	5,110	5,726	5,888	5,141	4,649	4,878	5,087	6,790	8,994	9,786	11,148	11,479	10,032	9,046	
	80-84	1,551	1,635	1,744	2,431	3,283	3,588	4,211	4,357	3,812	2,325	2,200	2,286	3,014	3,977	4,333	4,857	5,054	4,434	3,876	3,835	4,030	5,445	7,260	7,921	9,068	9,411	8,246	
	85 +	1,236	1,435	1,575	1,717	2,272	3,093	3,630	4,316	4,719	2,590	2,912	3,001	3,139	3,785	4,869	5,669	6,585	7,265	3,826	4,347	4,576	4,856	6,057	7,962	9,299	10,901	11,984	
	TOTAL	90,809	92,235	93,367	94,843	96,480	97,655	98,138	98,385	98,727	91,684	92,862	93,715	94,933	96,492	97,694	98,093	98,497	98,924	182,493	185,097	187,082	189,776	192,973	195,349	196,231	196,882	197,651	
	Westchester	0-4	29,319	29,408	29,478	31,350	34,003	35,850	36,735	37,035	37,791	27,880	28,681	28,011	29,605	32,077	33,802	34,604	34,890	35,585	57,199	58,089	57,489	60,955	66,081	69,652	71,339	71,925	73,376
5-9		32,263	30,801	30,045	30,592	32,855	35,777	37,667	38,634	39,134	30,949	29,197	29,144	28,869	30,782	33,469	35,216	36,081	36,532	63,212	59,998	59,189	59,461	63,637	69,246	72,883	74,716	75,666	
10-14		33,569	35,102	32,319	31,916	32,834	35,366	38,275	40,319	41,545	32,111	33,078	30,356	30,686	30,751	32,859	35,507	37,376	38,454	65,680	68,179	62,676	62,602	63,585	68,225	73,781	77,694	79,999	
15-19		33,615	33,562	34,153	31,896	31,973	33,132	35,657	38,541	40,695	31,701	31,791	32,309	30,058	30,793	31,042	33,106	35,740	37,702	65,316	65,353	66,462	61,954	62,766	64,174	68,763	74,282	78,397	
20-24		27,464	30,678	29,416	30,532	28,368	28,872	29,870	32,294	34,965	26,116	30,739	29,248	30,225	28,122	29,166	29,083	31,187	33,740	53,580	61,417	58,663	60,757	56,490	58,039	58,953	63,481	68,706	
25-29		26,424	29,098	32,203	31,733	33,238	31,396	31,780	32,854	35,545	26,230	28,152	32,446	31,813	33,158	31,359	32,230	32,241	34,549	52,654	57,250	64,650	63,546	66,396	62,755	64,010	65,095	70,094	
30-34		27,104	28,152	30,524	34,479	34,682	36,459	34,610	34,953	36,273	28,255	28,963	30,303	35,305	35,444	37,028	35,316	36,125	36,389	55,359	57,115	60,827	69,784	70,126	73,487	69,926	71,078	72,662	
35-39		29,734	28,669	29,366	32,475	37,117	37,769	39,480	37,736	38,222	31,989	30,423	30,612	32,556	38,131	38,767	40,305	38,710	39,631	61,723	59,092	59,978	65,031	75,248	76,536	79,786	76,447	77,853	
40-44		34,257	29,889	28,752	30,078	33,730	38,746	39,326	41,077	39,536	37,004	32,472	30,611	31,390	33,796	39,709	40,286	41,856	40,449	71,261	62,360	59,363	61,468	67,526	78,456	79,612	82,933	79,985	
45-49		36,686	33,108	29,029	28,556	30,324	34,256	39,261	39,743	41,671	39,555	35,698	31,451	30,265	31,497	34,142	40,075	40,491	42,216	76,241	68,807	60,480	58,821	61,821	68,397	79,335	80,234	83,887	
50-54		35,002	35,394	31,905	28,502	28,486	30,506	34,462	39,455	39,965	37,789	38,347	34,255	30,763	30,099	31,626	34,224	40,189	40,543	72,791	73,741	66,159	59,265	58,585	62,132	68,686	79,643	80,508	
55-59		29,234	32,630	32,814	29,915	27,049	27,405	29,427	33,346	38,297	32,554	35,739	35,821	32,368	29,469	29,208	30,730	33,334	39,387	61,788	68,369	68,634	62,283	56,518	56,613	60,156	66,681	77,684	
60-64		25,009	26,476	29,272	29,697	27,137	24,704	25,227	27,249	31,125	28,178	29,821	32,730	33,077	29,943	27,463	27,377	28,993	31,626	53,187	56,296	62,003	62,774	57,081	52,167	52,603	56,242	62,751	
65-69		17,636	22,421	23,077	25,694	25,901	23,485	21,372	22,126	24,044	21,369	26,063	27,070	29,853	30,034	27,014	24,787	24,924	26,523	39,005	48,484	50,147	55,547	55,935	50,499	46,158	47,051	50,567	
70-74		12,835	15,573	19,614	19,982	22,446	22,536	20,334	18,574	19,463	16,926	19,70,																	

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	75-79	24,886	26,505	32,891	42,067	44,103	50,888	51,348	45,217	40,641	32,141	33,973	41,240	51,717	55,008	61,728	63,752	57,357	51,610	57,027	60,478	74,131	93,784	99,112	112,616	115,100	102,574	92,251	
	80-84	18,519	18,884	19,926	25,086	32,399	33,840	39,600	39,896	35,110	28,155	27,171	27,987	34,186	43,179	45,981	51,644	53,797	48,510	46,674	46,055	47,912	59,272	75,578	79,821	91,244	93,693	83,620	
	85 +	14,509	17,811	19,174	20,641	25,080	32,188	36,103	42,128	45,054	31,647	35,798	37,025	38,543	44,375	54,472	61,342	70,186	76,819	46,156	53,609	56,199	59,183	69,456	86,660	97,445	112,314	121,873	
	TOTAL	1,124,153	1,151,393	1,164,696	1,194,360	1,238,094	1,286,083	1,332,332	1,377,207	1,426,484	1,166,698	1,195,901	1,210,126	1,241,144	1,286,331	1,335,159	1,379,364	1,423,295	1,470,490	2,290,851	2,347,294	2,374,821	2,435,504	2,524,425	2,621,242	2,711,696	2,800,502	2,896,974	
Bergen	0-4	25,562	24,845	25,779	27,443	29,334	30,635	30,734	29,772	29,255	24,719	23,460	24,288	25,715	27,401	28,488	28,450	27,638	27,234	50,281	48,305	50,067	53,158	56,735	59,123	59,184	57,410	56,488	
	5-9	28,630	27,664	26,327	27,495	29,339	31,537	32,862	33,068	32,310	27,679	27,205	25,053	25,935	27,488	29,401	30,486	30,566	29,949	56,309	54,868	51,380	53,430	56,827	60,939	63,348	63,633	62,259	
	10-14	30,764	31,452	29,347	28,136	29,360	31,483	33,693	35,149	35,637	29,274	30,175	28,529	26,466	27,375	29,144	31,059	32,234	32,524	60,038	61,627	57,876	54,603	56,734	60,626	64,752	67,383	68,161	
	15-19	29,733	30,712	30,613	28,924	27,905	29,400	31,390	33,593	35,184	27,825	28,733	28,834	27,442	25,553	26,758	28,443	30,266	31,501	57,558	59,445	59,447	56,366	53,459	56,159	59,832	63,859	66,685	
	20-24	24,347	27,445	27,229	27,057	25,298	24,450	25,852	27,871	30,064	23,125	26,512	26,375	26,321	24,810	22,965	24,126	25,960	27,892	47,472	53,957	53,604	53,378	50,108	47,415	49,978	53,831	57,956	
	25-29	25,212	26,695	29,738	29,577	29,327	27,475	26,068	27,879	30,461	25,514	26,731	29,747	29,798	29,635	27,973	25,456	26,938	29,374	50,726	53,426	59,485	59,375	58,962	55,448	51,525	54,817	59,835	
	30-34	26,347	28,006	28,915	32,473	32,815	32,844	30,659	29,322	31,310	27,774	29,177	30,146	33,659	34,244	34,236	32,094	29,736	31,294	54,121	57,183	59,061	66,131	67,059	67,080	62,753	59,058	62,604	
	35-39	29,298	28,338	29,593	30,939	34,731	35,394	35,036	33,147	32,061	30,963	29,985	30,888	32,254	36,016	36,969	36,772	34,782	32,519	60,261	58,323	60,481	63,192	70,747	72,363	71,808	67,929	64,580	
	40-44	33,102	29,948	28,739	30,378	31,901	36,041	36,563	36,266	34,623	35,971	32,031	30,599	31,872	33,483	37,615	38,515	38,382	36,542	69,073	61,978	59,338	62,250	65,384	73,655	75,078	74,648	71,165	
	45-49	36,432	32,334	29,409	28,681	30,519	32,322	36,403	36,901	36,794	38,690	35,296	31,597	30,661	32,170	34,100	38,263	39,091	39,070	75,122	67,631	61,006	59,342	62,689	66,422	74,666	75,991	75,864	
	50-54	34,765	35,620	31,275	28,835	28,364	30,555	32,325	36,406	36,962	37,761	37,791	34,717	31,537	30,817	32,625	34,488	38,740	39,687	72,526	73,411	65,992	60,371	59,182	63,180	66,814	75,146	76,649	
	55-59	29,467	32,455	33,023	28,981	26,870	26,709	28,818	30,566	34,831	32,070	35,598	35,472	32,800	29,866	29,539	31,326	33,164	37,580	61,537	68,053	68,495	61,781	56,737	56,248	60,144	63,730	72,412	
	60-64	25,074	26,779	29,325	30,027	26,131	24,566	24,460	26,692	28,435	27,915	29,638	32,574	32,594	30,096	27,598	27,441	29,310	31,149	52,989	56,417	61,899	62,621	56,227	52,165	51,900	56,002	59,584	
	65-69	17,632	22,303	23,182	25,475	25,906	22,090	20,909	21,142	23,383	20,725	25,658	26,510	29,253	29,058	26,648	24,354	24,552	26,423	38,357	47,961	49,692	54,727	54,964	48,738	45,263	45,694	49,807	
	70-74	13,113	15,460	19,297	19,735	21,885	22,100	18,444	17,862	18,225	16,390	19,236	23,329	23,918	26,544	26,248	23,945	21,983	22,335	29,503	34,696	42,626	43,654	48,429	48,348	42,389	39,845	40,560	
	75-79	10,692	11,071	13,020	16,342	16,618	18,562	18,618	15,524	15,289	14,545	14,612	17,116	20,758	21,169	23,593	23,155	21,239	19,616	25,237	25,682	30,136	37,100	37,787	42,155	41,773	36,763	34,905	
	80-84	8,527	8,277	8,494	10,016	12,641	12,741	14,414	14,508	12,120	13,200	12,269	12,215	14,372	17,492	17,774	19,789	19,637	18,134	21,727	20,546	20,709	24,388	30,133	30,515	34,203	34,145	30,254	
	85 +	7,265	8,595	8,760	9,035	10,319	12,718	13,533	15,508	16,630	15,014	16,631	16,458	16,294	17,930	21,043	22,215	25,109	26,754	22,279	25,227	25,218	25,328	28,249	33,761	35,748	40,617	43,384	
	TOTAL	435,962	447,999	452,066	459,548	469,263	481,624	490,783	501,174	513,575	469,154	480,737	484,448	491,649	501,148	512,716	520,376	529,327	539,578	905,116	928,736	936,513	951,196	970,411	994,340	1,011,159	1,030,502	1,053,154	
Essex	0-4	27,539	25,019	25,330	26,153	27,234	28,203	28,653	28,939	29,293	26,280	23,776	24,132	24,903	25,925	26,810	27,244	27,521	27,801	53,819	48,795	49,462	51,055	53,159	55,013	55,897	56,460	57,094	
	5-9	27,337	27,832	25,707	26,216	27,223	28,297	29,568	30,027	30,748	26,419	26,197	24,070	24,633	25,570	26,557	27,725	28,152	28,837	53,756	54,028	49,776	50,849	52,793	54,853	57,293	58,180	59,585	
	10-14	27,226	27,455	28,271	26,409	27,059	28,101	29,406	30,673	31,488	26,555	26,810	26,811																

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	20-24	24,899	25,098	23,562	23,351	26,799	27,481	28,990	30,231	30,420	23,216	22,856	21,801	21,469	24,348	24,394	25,492	26,357	26,346	48,115	47,954	45,363	44,820	51,147	51,875	54,483	56,588	56,766	
	25-29	34,536	34,181	33,942	32,824	32,766	36,431	38,084	40,021	41,863	33,266	32,010	30,711	29,741	29,959	33,173	34,065	35,396	36,464	67,802	66,190	64,653	62,565	62,725	69,605	72,148	75,417	78,327	
	30-34	32,635	34,367	33,509	33,855	33,455	33,672	37,395	39,015	40,937	31,071	32,548	31,167	30,323	29,790	30,177	33,428	34,247	35,614	63,706	66,915	64,676	64,178	63,245	63,849	70,823	73,262	76,552	
	35-39	26,803	28,982	30,168	29,674	30,801	30,418	30,649	34,385	35,517	24,878	27,813	28,845	27,750	27,389	27,072	27,472	30,713	31,187	51,681	56,795	59,013	57,423	58,190	57,490	58,121	65,098	66,704	
	40-44	22,797	23,704	25,961	27,320	26,954	28,384	27,779	28,046	31,928	22,238	23,242	25,796	26,994	26,225	26,033	25,685	26,091	29,387	45,035	46,946	51,757	54,313	53,179	54,417	53,465	54,137	61,315	
	45-49	21,461	21,381	21,909	24,498	26,172	25,767	27,226	26,474	26,822	21,623	21,358	22,146	25,012	26,514	25,783	25,594	25,219	25,670	43,084	42,739	44,055	49,510	52,685	51,550	52,820	51,693	52,493	
	50-54	19,373	20,362	19,997	20,870	23,836	25,528	25,073	26,541	25,739	20,528	21,243	20,390	21,527	24,844	26,339	25,544	25,371	24,973	39,901	41,605	40,388	42,397	48,680	51,867	50,617	51,911	50,712	
	55-59	16,121	17,783	18,666	18,549	19,666	22,687	24,224	23,716	25,264	17,959	19,161	19,607	19,048	20,554	23,930	25,215	24,356	24,268	34,080	36,943	38,273	37,597	40,219	46,616	49,439	48,073	49,532	
	60-64	12,834	14,772	15,867	16,897	17,132	18,232	21,140	22,481	21,912	15,266	16,580	17,334	17,960	17,743	19,275	22,502	23,595	22,670	28,100	31,353	33,200	34,857	34,875	37,507	43,641	46,077	44,581	
	65-69	8,979	10,818	12,263	13,125	14,093	14,170	15,240	17,885	18,823	11,324	13,680	14,629	15,293	15,918	15,648	17,144	20,187	20,988	20,303	24,498	26,893	28,417	30,011	29,818	32,384	38,071	39,812	
	70-74	6,695	7,314	8,829	9,993	10,725	11,552	11,583	12,606	14,952	9,096	9,898	11,978	12,728	13,371	13,912	13,614	15,125	17,912	15,791	17,212	20,807	22,722	24,097	25,464	25,197	27,731	32,864	
	75-79	5,000	5,310	5,795	7,088	8,073	8,673	9,403	9,435	10,374	7,138	7,492	8,050	9,896	10,521	11,037	11,473	11,252	12,670	12,138	12,802	13,845	16,984	18,594	19,710	20,876	20,687	23,044	
	80-84	3,496	3,417	3,610	4,000	5,064	5,739	6,196	6,793	6,784	5,853	5,419	5,612	6,099	7,737	8,122	8,519	8,975	8,752	9,349	8,836	9,222	10,100	12,801	13,861	14,715	15,768	15,537	
	85 +	2,485	2,921	2,892	3,066	3,502	4,392	5,148	5,736	6,346	6,000	6,429	5,708	5,732	6,418	7,885	8,630	9,369	9,932	8,485	9,351	8,600	8,798	9,920	12,277	13,778	15,105	16,278	
	TOTAL	313,787	330,086	338,554	349,538	365,325	381,854	398,628	415,894	432,946	320,479	334,680	339,675	347,401	360,208	373,403	386,243	399,790	412,841	634,266	664,766	678,229	696,939	725,532	755,258	784,871	815,684	845,787	
		0-4	3,142	2,814	2,846	3,087	3,391	3,577	3,545	3,304	3,128	2,881	2,591	2,620	2,840	3,118	3,269	3,224	3,012	2,849	6,023	5,405	5,466	5,927	6,509	6,846	6,769	6,316	5,976
5-9		4,198	3,651	3,308	3,326	3,584	3,977	4,216	4,213	3,986	4,141	3,278	2,941	2,962	3,196	3,531	3,709	3,686	3,480	8,339	6,929	6,249	6,288	6,780	7,508	7,925	7,899	7,466	
10-14		4,947	4,424	3,914	3,579	3,594	3,912	4,320	4,582	4,609	4,798	4,660	3,840	3,436	3,422	3,669	4,001	4,240	4,254	9,745	9,084	7,753	7,015	7,016	7,581	8,321	8,822	8,863	
15-19		4,804	4,601	4,160	3,713	3,421	3,503	3,806	4,202	4,454	3,972	4,094	3,979	3,206	2,943	3,002	3,231	3,528	3,726	8,775	8,695	8,139	6,919	6,363	6,505	7,037	7,730	8,180	
20-24		3,654	4,313	4,010	3,617	3,226	2,954	3,059	3,365	3,718	2,458	2,846	2,779	2,710	1,972	2,042	2,064	2,288	2,485	6,112	7,159	6,788	6,327	5,199	4,997	5,123	5,653	6,203	
25-29		2,595	3,320	3,942	3,602	3,258	2,833	2,544	2,759	3,047	2,475	2,663	3,093	3,087	3,028	2,298	2,299	2,320	2,555	5,070	5,983	7,035	6,690	6,287	5,130	4,843	5,079	5,601	
30-34		2,467	2,767	3,543	4,272	4,014	3,667	3,188	2,862	3,066	2,731	3,013	3,276	3,791	3,906	3,896	3,140	2,988	2,986	5,198	5,780	6,819	8,062	7,920	7,563	6,329	5,850	6,051	
35-39		3,305	2,935	3,214	4,069	4,959	4,904	4,532	3,979	3,568	3,858	3,287	3,517	3,848	4,435	4,666	4,657	3,907	3,648	7,164	6,222	6,731	7,917	9,394	9,569	9,189	7,886	7,216	
40-44		4,854	3,683	3,267	3,542	4,450	5,512	5,532	5,157	4,570	5,649	4,204	3,575	3,789	4,151	4,816	5,087	5,096	4,341	10,503	7,887	6,842	7,331	8,601	10,328	10,619	10,253	8,911	
45-49		6,223	5,017	3,878	3,445	3,719	4,710	5,827	5,892	5,527	6,705	5,613	4,243	3,636	3,863	4,289	4,964	5,243	5,266	12,929	10,631	8,121	7,081	7,582	8,999	10,791	11,135	10,793	
50-54		6,298	6,032	4,934	3,846	3,436	3,728	4,696	5,840	5,903	6,444	6,399	5,395	4,094	3,538	3,789	4,177	4,875	5,140	12,742	12,431	10,329	7,941	6,974	7,517	8,872	10,714	11,044	
55-59		5,167	5,839	5,652	4,631	3,620	3,305	3,609	4,577	5,705	5,129	6,218	6,213	5,267	4,006	3,504	3,764	4,153	4,865	10,297	12,057	11,865	9,898	7,627	6,809	7,373	8,730		

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	60-64	9,105	10,100	11,009	11,018	10,556	10,301	10,024	11,553	12,771	10,207	11,260	11,968	12,208	11,184	10,842	10,622	11,464	12,837	19,312	21,360	22,978	23,226	21,740	21,142	20,646	23,018	25,609	
	65-69	6,277	8,134	8,981	9,810	9,799	9,391	9,198	8,973	10,461	7,339	9,415	10,343	10,997	11,216	10,240	9,956	9,791	10,630	13,616	17,549	19,324	20,807	21,015	19,631	19,154	18,764	21,091	
	70-74	4,389	5,411	7,055	7,747	8,489	8,460	8,115	7,988	7,815	5,581	6,672	8,594	9,433	10,049	10,265	9,344	9,148	9,021	9,970	12,083	15,649	17,180	18,538	18,724	17,459	17,136	16,836	
	75-79	3,592	3,635	4,529	5,946	6,541	7,208	7,206	6,945	6,880	4,833	4,945	5,938	7,680	8,464	9,053	9,247	8,486	8,342	8,425	8,581	10,467	13,626	15,004	16,261	16,454	15,431	15,222	
	80-84	2,727	2,561	2,631	3,345	4,444	4,898	5,455	5,479	5,323	4,293	3,832	3,971	4,826	6,296	6,946	7,422	7,670	7,050	7,020	6,393	6,602	8,171	10,741	11,844	12,876	13,149	12,373	
	85 +	2,149	2,531	2,588	2,695	3,263	4,281	5,037	5,788	6,174	5,184	5,587	5,500	5,619	6,375	7,928	9,191	10,383	11,291	7,333	8,118	8,089	8,313	9,638	12,209	14,228	16,172	17,465	
	TOTAL	179,986	183,006	188,083	195,519	204,467	214,612	224,408	233,878	243,996	187,525	189,491	193,518	199,888	207,677	216,449	224,449	232,397	240,793	367,511	372,496	381,601	395,407	412,144	431,061	448,857	466,275	484,790	
Middlesex	0-4	25,182	24,752	25,184	25,949	26,847	27,675	28,441	28,722	29,364	24,824	23,576	24,366	25,305	26,012	26,785	27,377	27,799	28,250	50,006	48,329	49,549	51,254	52,859	54,459	55,818	56,522	57,614	
	5-9	26,183	24,693	24,375	25,133	26,049	27,165	27,962	28,669	29,011	24,869	24,228	22,991	24,041	25,105	25,971	26,728	27,241	27,725	51,052	48,921	47,366	49,174	51,155	53,137	54,689	55,910	56,736	
	10-14	26,713	27,315	25,901	25,600	26,632	27,823	29,101	29,766	30,712	24,829	26,072	25,312	24,071	25,328	26,623	27,646	28,274	28,996	51,542	53,387	51,213	49,671	51,960	54,446	56,747	58,041	59,707	
	15-19	29,900	30,068	30,526	29,496	29,285	30,557	31,880	33,228	34,133	27,726	27,807	28,729	28,238	27,161	28,524	29,988	31,044	31,894	57,626	57,875	59,255	57,734	56,446	59,081	61,868	64,272	66,026	
	20-24	30,027	32,079	32,361	32,888	32,076	31,944	33,278	34,592	36,158	28,090	30,165	29,912	30,701	30,536	29,583	31,043	32,414	33,780	58,117	62,244	62,273	63,588	62,612	61,527	64,321	67,006	69,939	
	25-29	26,516	30,131	31,287	31,724	32,558	31,998	31,966	33,140	34,628	27,787	29,146	30,190	29,519	30,889	30,956	30,363	31,398	33,245	54,303	59,276	61,477	61,243	63,447	62,954	62,329	64,538	67,874	
	30-34	28,382	27,028	30,672	31,590	32,639	33,791	33,636	33,105	34,787	28,892	28,393	29,859	30,862	30,591	32,191	32,509	31,631	32,961	57,274	55,421	60,531	62,453	63,231	65,982	66,145	64,736	67,748	
	35-39	29,350	27,283	26,338	30,215	31,370	32,693	33,916	33,522	33,208	28,956	28,206	27,643	29,165	30,444	30,335	32,082	32,151	31,493	58,306	55,489	53,981	59,380	61,814	63,028	65,998	65,673	64,701	
	40-44	29,649	27,764	26,162	25,569	29,751	31,056	32,351	33,407	33,106	29,560	28,125	27,619	27,359	29,110	30,617	30,455	32,132	32,273	59,209	55,889	53,781	52,928	58,861	61,673	62,806	65,539	65,379	
	45-49	30,648	28,237	26,639	25,354	25,035	29,525	30,730	31,869	33,021	31,454	28,924	27,763	27,479	27,464	29,470	31,006	30,700	32,518	62,102	57,161	54,401	52,833	52,499	58,994	61,737	62,569	65,540	
	50-54	29,373	29,288	27,140	25,706	24,766	24,706	29,333	30,253	31,569	30,449	30,533	28,334	27,485	27,445	27,690	29,728	31,167	30,940	59,822	59,821	55,475	53,191	52,211	52,396	59,061	61,420	62,508	
	55-59	24,566	27,078	26,906	24,971	23,941	23,298	23,361	27,874	28,659	25,731	28,696	28,558	26,428	26,033	26,250	26,607	28,472	30,035	50,297	55,775	55,464	51,399	49,974	49,548	49,968	56,346	58,694	
	60-64	19,358	22,058	24,487	24,493	22,791	22,123	21,549	21,640	26,175	21,382	23,638	26,643	26,522	24,618	24,511	24,756	25,078	27,023	40,740	45,696	51,130	51,015	47,408	46,634	46,306	46,718	53,197	
	65-69	13,511	17,179	19,221	21,270	21,199	19,649	19,263	18,745	18,981	15,576	20,225	22,124	24,990	24,825	23,027	22,981	23,287	23,627	29,087	37,404	41,345	46,260	46,024	42,676	42,244	42,033	42,608	
	70-74	9,653	11,914	15,090	16,828	18,694	18,599	17,250	17,004	16,607	11,992	14,373	18,679	20,377	23,105	22,935	21,258	21,329	21,686	21,645	26,287	33,769	37,205	41,799	41,534	38,508	38,333	38,294	
	75-79	7,488	8,059	9,874	12,505	14,000	15,635	15,627	14,456	14,441	10,903	10,867	12,878	16,710	18,309	20,845	20,733	19,258	19,490	18,391	18,926	22,752	29,215	32,309	36,480	36,361	33,714	33,931	
	80-84	5,998	5,749	6,068	7,421	9,572	10,787	12,263	12,237	11,516	9,468	8,956	8,812	10,468	13,784	15,098	17,309	17,240	16,171	15,466	14,705	14,880	17,889	23,356	25,886	29,572	29,477	27,687	
	85 +	4,988	5,782	5,711	5,830	6,972	8,946	10,705	12,372	13,268	9,885	10,878	10,899	10,543	11,966	15,177	17,699	20,541	22,225	14,873	16,659	16,610	16,373	18,938	24,123	28,405	32,914	35,493	
	TOTAL	397,485	406,458	413,943	422,542	434,177	447,970	462,614	474,603	489,344	412,373	422,807	431,308	440,263	452,726	466,588	480,267	491,158	504,332	809,858	829,266	845,251	862,805	886,904	914,559	942,881	965,760	993,675	
Monmouth																													

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
Orange	5-9	16,909	15,125	14,401	14,636	15,361	16,265	16,780	16,535	15,698	16,155	14,451	13,425	13,599	14,490	15,516	16,078	15,810	14,981	33,064	29,576	27,826	28,235	29,851	31,781	32,858	32,345	30,679	
	10-14	18,094	17,899	16,326	15,305	15,432	16,088	16,992	17,569	17,435	17,352	16,866	15,317	14,027	14,197	15,149	16,183	16,801	16,595	35,446	34,765	31,643	29,331	29,628	31,237	33,175	34,370	34,030	
	15-19	17,076	17,163	17,176	15,754	14,840	15,031	15,664	16,607	17,206	15,602	16,355	15,991	14,385	13,192	13,378	14,301	15,338	15,953	32,678	33,518	33,167	30,139	28,032	28,409	29,964	31,945	33,159	
	20-24	12,494	14,179	13,994	13,791	12,429	11,855	12,187	12,760	13,596	11,500	13,154	13,663	12,977	11,546	10,583	10,995	11,924	12,808	23,994	27,333	27,657	26,768	23,975	22,438	23,182	24,684	26,404	
	25-29	12,963	13,879	15,833	15,501	15,271	13,481	12,791	13,366	14,131	12,370	12,854	14,721	15,302	14,652	12,781	11,665	12,233	13,351	25,333	26,734	30,554	30,804	29,923	26,261	24,456	25,598	27,482	
	30-34	13,155	14,500	15,780	17,647	17,542	17,372	15,522	14,644	15,185	13,306	14,344	15,154	16,971	17,729	17,077	15,084	13,726	14,208	26,461	28,844	30,934	34,618	35,271	34,448	30,606	28,369	29,393	
	35-39	15,371	14,711	16,166	17,100	18,963	18,793	18,590	16,784	15,912	16,530	15,026	16,041	16,641	18,425	19,218	18,590	16,544	15,115	31,901	29,737	32,207	33,741	37,387	38,012	37,180	33,328	31,027	
	40-44	19,585	15,815	15,238	16,588	17,623	19,644	19,484	19,308	17,534	20,701	17,060	15,598	16,598	17,247	19,031	19,847	19,313	17,307	40,286	32,875	30,835	33,186	34,871	38,675	39,331	38,621	34,841	
	45-49	21,905	19,290	15,807	15,340	16,747	17,877	19,902	19,784	19,674	22,600	20,519	17,125	15,466	16,475	17,128	18,898	19,686	19,199	44,505	39,809	32,932	30,806	33,222	35,006	38,800	39,469	38,873	
	50-54	20,083	20,785	18,469	14,746	14,503	15,770	16,800	18,967	18,847	20,791	21,504	19,647	16,235	14,777	15,898	16,483	18,295	19,058	40,874	42,289	38,116	30,982	29,280	31,668	33,283	37,263	37,906	
	55-59	16,606	18,806	19,689	17,342	13,807	13,713	14,983	16,053	18,264	17,127	19,559	20,382	18,409	15,149	13,763	14,987	15,645	17,530	33,733	38,365	40,071	35,751	28,956	27,476	29,970	31,698	35,795	
	60-64	13,660	14,580	16,795	17,372	15,044	11,601	11,994	13,396	14,402	14,844	15,254	17,759	18,258	16,295	13,340	12,276	13,645	14,192	28,504	29,834	34,554	35,630	31,339	24,942	24,270	27,040	28,593	
	65-69	9,813	11,833	12,508	14,368	14,702	12,351	9,409	10,257	11,536	11,080	13,663	13,905	16,184	16,450	14,424	11,725	10,966	12,402	20,893	25,496	26,412	30,552	31,151	26,775	21,134	21,224	23,938	
	70-74	6,672	8,577	10,342	10,857	12,573	12,714	10,556	8,058	9,065	8,024	10,490	12,960	13,129	15,297	15,467	13,532	11,063	10,403	14,696	19,068	23,303	23,986	27,871	28,180	24,088	19,121	19,469	
	75-79	5,299	5,872	7,579	9,065	9,542	11,082	11,238	9,363	7,178	6,905	7,454	9,723	12,047	12,309	14,279	14,488	12,858	10,595	12,204	13,326	17,301	21,112	21,851	25,361	25,726	22,221	17,772	
	80-84	4,017	4,436	4,957	6,312	7,598	7,932	9,265	9,620	8,216	5,997	6,480	7,037	8,895	11,096	11,484	13,194	13,791	12,558	10,014	10,916	11,993	15,207	18,695	19,416	22,459	23,411	20,774	
	85 +	3,342	4,351	5,190	5,822	7,078	8,495	9,471	11,060	12,258	7,006	8,194	9,288	10,358	12,436	15,260	17,117	19,932	22,265	10,348	12,545	14,478	16,180	19,514	23,754	26,588	30,992	34,524	
	TOTAL	241,022	244,989	249,883	251,937	254,391	255,895	257,139	258,722	260,059	251,254	255,529	260,451	263,078	266,317	268,861	270,216	271,476	271,765	492,276	500,519	510,334	515,015	520,708	524,756	527,355	530,198	531,824	
	Ocean	0-4	19,959	19,365	20,088	20,721	21,466	22,561	24,200	25,348	26,314	18,947	18,733	19,379	19,964	20,674	22,013	23,270	24,392	25,318	38,906	38,098	39,467	40,684	42,140	44,574	47,470	49,740	51,632
		5-9	19,099	20,361	20,047	21,018	21,723	23,117	23,752	25,427	26,683	18,400	19,305	19,324	20,191	20,834	21,925	23,027	24,329	25,532	37,499	39,666	39,371	41,209	42,557	45,042	46,780	49,756	52,215
10-14		18,757	19,490	21,009	21,001	22,010	23,128	24,297	24,985	26,734	17,615	18,737	19,871	20,137	21,042	22,210	22,927	24,062	25,436	36,372	38,227	40,880	41,138	43,053	45,339	47,223	49,047	52,170	
15-19		17,933	17,654	18,623	20,340	20,289	21,666	22,465	23,607	24,291	16,852	16,113	17,479	18,713	18,913	20,332	20,945	21,624	22,744	34,785	33,767	36,102	39,053	39,202	41,998	43,409	45,231	47,034	
20-24		15,563	15,611	15,428	16,535	18,124	18,170	19,271	19,921	20,996	15,089	14,664	14,098	15,671	16,719	16,905	18,227	18,664	19,306	30,652	30,275	29,526	32,206	34,843	35,075	37,499	38,584	40,303	
25-29		16,053	16,445	16,704	16,751	17,904	20,085	19,876	20,974	21,742	15,565	16,096	15,925	15,572	17,168	19,094	18,786	20,103	20,686	31,618	32,541	32,630	32,324	35,072	39,179	38,662	41,077	42,428	
30-34		14,910	16,508	17,222	17,800	17,920	19,922	21,507	21,382	22,530	14,490	16,202	17,000	17,078	16,758	18,951	20,492	20,274	21,623	29,400	32,710	34,222	34,878	34,678	38,873	41,999	41,656	44,153	
35-39		15,330	15,325	17,134	18,215	18,894	19,806	21,211	22,888	22,885	15,809	15,139	16,994	18,141	18,324	18,589	20,316	21,981	21,892	31,139	30,464								

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	45-49	18,297	16,518	14,692	14,401	15,192	17,430	18,807	19,108	18,922	19,114	17,303	16,006	15,684	16,404	18,336	20,299	20,423	20,362	37,411	33,821	30,697	30,085	31,596	35,766	39,107	39,531	39,284	
	50-54	17,164	17,460	15,903	14,338	14,192	15,109	17,419	18,741	19,063	18,540	18,468	16,830	15,739	15,535	16,360	18,323	20,269	20,407	35,704	35,928	32,733	30,077	29,727	31,470	35,743	39,010	39,470	
	55-59	14,536	15,892	16,282	14,920	13,545	13,540	14,549	16,771	18,025	15,646	17,448	17,514	16,036	15,206	15,002	16,141	18,049	19,960	30,182	33,340	33,796	30,956	28,751	28,542	30,690	34,820	37,985	
	60-64	11,870	12,943	14,309	14,721	13,548	12,277	12,572	13,546	15,706	13,527	14,238	16,094	16,169	14,904	14,117	14,242	15,375	17,236	25,397	27,180	30,403	30,890	28,452	26,394	26,814	28,921	32,942	
	65-69	8,300	10,264	11,106	12,334	12,653	11,532	10,579	10,941	11,838	9,926	12,342	12,886	14,656	14,645	13,426	12,795	12,988	14,088	18,226	22,606	23,992	26,990	27,297	24,958	23,374	23,929	25,926	
	70-74	6,055	6,905	8,634	9,270	10,389	10,587	9,706	8,917	9,332	7,569	8,873	11,097	11,502	13,196	13,088	12,044	11,531	11,751	13,624	15,778	19,731	20,772	23,585	23,675	21,750	20,448	21,083	
	75-79	4,340	4,903	5,638	7,106	7,674	8,601	8,980	8,234	7,586	6,339	6,609	7,804	9,804	10,204	11,718	11,769	10,895	10,456	10,679	11,512	13,442	16,911	17,878	20,319	20,748	19,129	18,042	
	80-84	3,399	3,197	3,672	4,265	5,443	5,905	6,693	7,037	6,482	5,385	4,954	5,240	6,264	7,944	8,236	9,578	9,643	8,917	8,784	8,151	8,912	10,529	13,388	14,142	16,271	16,679	15,398	
	85 +	2,759	3,025	3,034	3,384	3,981	4,979	5,875	6,771	7,370	6,252	6,524	6,421	6,634	7,608	9,313	10,433	12,192	13,171	9,011	9,549	9,456	10,018	11,588	14,292	16,309	18,963	20,541	
	TOTAL	243,124	245,025	249,232	255,192	263,410	270,507	282,487	293,756	305,287	258,102	260,867	266,126	273,225	282,583	290,702	302,492	313,812	325,254	501,226	505,892	515,359	528,416	545,994	561,209	584,980	607,568	630,541	
Somerset	0-4	9,889	8,975	9,289	9,931	10,723	10,939	10,599	10,110	10,031	9,348	8,424	8,776	9,371	10,115	10,318	10,000	9,538	9,450	19,237	17,399	18,065	19,301	20,838	21,258	20,600	19,648	19,481	
	5-9	11,508	10,302	9,187	9,572	10,222	11,114	11,383	11,082	10,710	10,980	9,855	8,744	9,149	9,763	10,599	10,851	10,560	10,178	22,488	20,157	17,932	18,721	19,985	21,713	22,234	21,642	20,888	
	10-14	12,404	12,417	11,058	9,959	10,288	11,053	12,023	12,379	12,269	11,759	11,625	10,346	9,284	9,665	10,374	11,250	11,544	11,365	24,163	24,042	21,404	19,243	19,953	21,427	23,274	23,923	23,634	
	15-19	11,246	11,447	11,582	10,277	9,264	9,770	10,547	11,504	11,855	10,160	10,606	10,474	9,232	8,272	8,845	9,551	10,413	10,672	21,406	22,053	22,057	19,509	17,536	18,615	20,097	21,916	22,527	
	20-24	7,659	9,840	8,874	9,057	7,454	6,977	7,841	8,594	9,787	6,933	9,072	8,284	8,116	6,653	6,193	7,137	7,819	8,972	14,592	18,912	17,158	17,174	14,107	13,170	14,978	16,413	18,758	
	25-29	8,456	9,126	11,438	10,872	10,869	9,326	8,718	9,593	10,648	8,607	8,898	11,121	10,765	10,350	8,864	8,276	9,260	10,302	17,063	18,024	22,559	21,637	21,219	18,190	16,994	18,853	20,950	
	30-34	9,332	9,320	10,144	12,663	12,350	12,423	10,905	10,157	11,002	10,030	10,114	10,361	12,641	12,499	12,144	10,715	10,025	11,019	19,362	19,433	20,505	25,304	24,849	24,567	21,620	20,182	22,021	
	35-39	10,790	9,969	9,992	10,897	13,490	13,438	13,574	12,100	11,302	11,564	10,827	10,778	11,051	13,325	13,371	13,103	11,724	11,098	22,354	20,796	20,769	21,948	26,815	26,808	26,677	23,824	22,400	
	40-44	12,749	10,926	10,005	10,144	11,098	13,847	13,813	13,942	12,520	13,760	11,873	11,127	11,206	11,542	13,974	14,062	13,757	12,372	26,509	22,799	21,132	21,350	22,640	27,822	27,875	27,698	24,891	
	45-49	14,463	12,613	10,852	10,078	10,274	11,344	14,124	14,051	14,197	15,400	13,781	11,872	11,239	11,353	11,787	14,260	14,345	14,108	29,863	26,393	22,724	21,317	21,627	23,131	28,384	28,396	28,305	
	50-54	13,595	13,873	12,259	10,683	9,985	10,287	11,357	14,125	14,064	14,055	14,867	13,409	11,652	11,079	11,300	11,746	14,242	14,352	27,650	28,740	25,669	22,335	21,064	21,587	23,103	28,367	28,415	
	55-59	10,618	12,589	12,880	11,419	9,991	9,463	9,795	10,835	13,597	11,087	12,968	13,814	12,482	10,857	10,500	10,750	11,187	13,720	21,705	25,557	26,694	23,901	20,848	19,963	20,544	22,021	27,318	
	60-64	8,198	9,341	11,257	11,438	9,995	8,824	8,461	8,851	9,894	8,852	9,965	11,739	12,444	11,026	9,631	9,476	9,794	10,279	17,050	19,307	22,997	23,883	21,021	18,455	17,937	18,645	20,173	
	65-69	5,642	7,173	7,950	9,605	9,432	8,085	7,282	7,151	7,643	6,486	8,220	9,184	10,823	11,370	9,963	8,743	8,727	9,069	12,128	15,392	17,134	20,428	20,802	18,048	16,025	15,878	16,712	
	70-74	3,866	4,951	6,120	6,727	8,202	7,916	6,738	6,147	6,179	4,727	6,048	7,469	8,269	9,727	10,175	8,894	7,913	8,109	8,593	10,999	13,589	14,995	17,930	18,091	15,632	14,060	14,288	
	75-79	3,027	3,104	3,974	4,924	5,383	6,664	6,324	5,354	4,980	4,137	4,452	5,597	6,924	7,685	9,064	9,514	8,413	7,588	7,164	7,557	9,572	11,848	13,068	15,728	15,838	13,766	12,567	
	80-84	2,376	2,374	2,399	3,061	3,762	4,128	5,272	5,108	4,400	3,570																		

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	85 +	698	913	1,045	1,342	1,920	2,600	3,509	4,271	4,765	1,538	1,675	1,771	2,014	2,683	3,688	4,687	5,930	6,787	2,236	2,588	2,817	3,357	4,603	6,288	8,196	10,201	11,551	
	TOTAL	74,070	74,257	74,882	74,951	75,144	76,401	77,590	78,451	79,140	75,195	75,541	76,123	76,422	76,885	77,793	78,635	79,252	79,497	149,265	149,798	151,005	151,373	152,028	154,194	156,225	157,703	158,637	
Union	0-4	18,319	17,625	18,115	19,074	20,187	21,068	21,705	22,131	22,669	17,464	16,767	17,537	18,435	19,496	20,410	20,932	21,447	21,959	35,783	34,392	35,651	37,509	39,683	41,478	42,638	43,578	44,627	
	5-9	18,472	18,838	17,702	18,361	19,444	20,602	21,598	22,094	22,574	17,585	17,904	16,748	17,665	18,663	19,735	20,755	21,136	21,692	36,057	36,741	34,449	36,026	38,107	40,336	42,353	43,230	44,266	
	10-14	18,628	19,179	19,444	18,492	19,242	20,504	21,693	22,708	23,289	17,904	18,400	18,741	17,750	18,724	19,834	21,009	22,000	22,467	36,532	37,579	38,185	36,242	37,966	40,338	42,702	44,708	45,756	
	15-19	18,789	18,829	19,112	19,559	18,733	19,533	20,896	21,938	22,998	17,455	17,835	18,037	18,526	17,630	18,650	19,829	20,859	21,869	36,244	36,664	37,149	38,085	36,363	38,183	40,725	42,797	44,867	
	20-24	16,633	18,308	18,220	18,616	19,131	18,345	19,197	20,495	21,531	15,888	17,825	17,539	17,845	18,400	17,484	18,602	19,675	20,713	32,521	36,133	35,759	36,461	37,531	35,828	37,798	40,169	42,244	
	25-29	16,875	18,024	19,512	19,729	20,275	20,955	20,238	20,977	22,390	17,018	17,592	19,362	19,425	19,864	20,609	19,741	20,758	21,981	33,893	35,616	38,873	39,154	40,138	41,564	39,980	41,735	44,372	
	30-34	17,179	18,172	19,055	20,815	21,288	21,883	22,757	21,880	22,635	18,207	18,815	19,347	21,366	21,751	22,336	23,181	22,304	23,300	35,386	36,987	38,401	42,181	43,039	44,219	45,939	44,184	45,935	
	35-39	18,522	17,330	18,396	19,514	21,457	22,141	22,741	23,596	22,776	19,027	18,435	19,124	19,856	22,031	22,604	23,193	24,026	23,201	37,549	35,766	37,520	39,370	43,488	44,745	45,934	47,622	45,978	
	40-44	19,837	17,997	17,012	18,291	19,548	21,672	22,322	22,868	23,788	21,032	18,859	18,246	19,105	19,954	22,268	22,826	23,371	24,259	40,869	36,856	35,258	37,396	39,503	43,940	45,147	46,240	48,047	
	45-49	20,904	19,106	17,525	16,746	18,156	19,560	21,667	22,265	22,857	21,934	20,202	18,204	17,822	18,818	19,779	22,091	22,544	23,129	42,838	39,308	35,729	34,567	36,975	39,339	43,758	44,809	45,986	
	50-54	19,799	19,899	18,331	16,990	16,367	17,929	19,308	21,370	21,982	20,772	21,286	19,745	17,962	17,720	18,866	19,809	22,109	22,584	40,571	41,185	38,076	34,952	34,086	36,795	39,117	43,479	44,565	
	55-59	15,829	18,371	18,179	16,846	15,732	15,294	16,911	18,142	20,170	17,320	19,419	19,794	18,437	16,863	16,833	17,987	18,850	21,153	33,149	37,790	37,973	35,283	32,595	32,127	34,899	36,992	41,323	
	60-64	12,708	13,929	16,226	15,978	14,826	13,930	13,654	15,233	16,337	14,638	15,441	17,467	17,797	16,536	15,198	15,293	16,442	17,238	27,346	29,369	33,694	33,775	31,361	29,129	28,947	31,675	33,575	
	65-69	8,833	10,930	11,761	13,857	13,400	12,397	11,704	11,556	13,111	10,482	13,211	13,641	15,575	15,743	14,530	13,355	13,593	14,707	19,315	24,141	25,403	29,432	29,143	26,928	25,059	25,148	27,818	
	70-74	6,315	7,295	9,044	9,634	11,514	10,922	10,119	9,611	9,571	8,215	9,371	11,810	12,076	13,916	13,910	12,831	11,778	12,109	14,530	16,667	20,855	21,710	25,430	24,832	22,950	21,389	21,679	
	75-79	4,926	5,153	5,913	7,406	7,864	9,497	8,951	8,308	7,951	7,198	7,259	8,119	10,317	10,503	12,175	12,132	11,199	10,317	12,124	12,413	14,033	17,723	18,367	21,672	21,083	19,507	18,268	
	80-84	3,878	3,718	3,869	4,502	5,709	6,048	7,439	6,955	6,511	6,663	5,773	5,844	6,609	8,492	8,590	10,044	10,034	9,280	10,541	9,491	9,713	11,111	14,201	14,638	17,483	16,990	15,791	
	85 +	3,486	3,716	3,618	3,748	4,286	5,354	6,021	7,307	7,468	7,765	8,349	7,624	7,470	8,071	9,799	10,636	12,277	13,083	11,251	12,064	11,242	11,218	12,357	15,153	16,656	19,584	20,552	
	TOTAL	259,932	266,420	271,033	278,158	287,159	297,634	308,921	319,434	330,607	276,567	282,742	286,930	294,038	303,172	313,611	324,247	334,403	345,043	536,499	549,162	557,963	572,196	590,331	611,245	633,168	653,837	675,650	
	Warren	0-4	3,086	2,670	2,730	2,918	3,040	3,040	2,958	2,802	2,736	2,998	2,624	2,685	2,866	2,988	2,993	2,892	2,742	2,667	6,084	5,294	5,415	5,784	6,028	6,033	5,849	5,544	5,403
5-9		3,646	3,284	2,875	2,933	3,136	3,279	3,313	3,223	3,069	3,487	3,125	2,740	2,803	2,994	3,127	3,174	3,067	2,924	7,133	6,409	5,615	5,736	6,130	6,405	6,487	6,291	5,992	
10-14		3,864	3,748	3,390	2,995	3,054	3,271	3,457	3,487	3,413	3,728	3,594	3,243	2,868	2,928	3,132	3,290	3,334	3,237	7,592	7,341	6,632	5,863	5,982	6,403	6,747	6,822	6,651	
15-19		3,958	3,754	3,675	3,342	2,967	3,043	3,285	3,457	3,491	3,645	3,566	3,433	3,105	2,755	2,839	3,073	3,214	3,266	7,603	7,320	7,108	6,447	5,721	5,882	6,359	6,671	6,758	
20-24		2,986	2,992	2,730	2,745	2,413	2,155	2,371	2,541	2,682	2,845	2,977	2,871	2,737	2,443	2,127	2,352	2,534	2,634	5,831	5,969	5,601	5,482	4,856	4,282	4,723	5,074	5,316	
25-29		2,583	3,071	3,109	2,861	2,878	2,540	2,317	2,517	2,709	2,644	2,962	3,098	2,9															

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	30-34	221,029	231,076	245,305	261,989	262,240	265,902	266,996	261,884	275,520	226,239	234,832	244,393	261,526	262,162	265,683	265,451	256,928	268,993	447,268	465,908	489,697	523,515	524,401	531,586	532,446	518,812	544,513	
	35-39	231,698	222,234	232,990	249,651	269,019	271,904	275,143	276,391	271,519	238,883	230,370	238,459	250,047	269,329	272,631	276,109	275,874	267,536	470,581	452,604	471,449	499,698	538,348	544,535	551,252	552,265	539,054	
	40-44	252,773	227,104	219,080	232,079	250,547	272,844	275,290	278,383	280,670	264,946	237,098	228,736	238,792	252,131	273,775	276,912	280,315	280,571	517,719	464,202	447,816	470,871	502,678	546,619	552,202	558,698	561,241	
	45-49	271,752	244,125	220,576	215,424	230,117	250,557	272,906	274,836	278,867	284,337	257,583	231,815	225,813	237,537	252,771	274,489	277,040	281,229	556,089	501,709	452,391	441,237	467,654	503,327	547,395	551,876	560,097	
	50-54	257,160	260,891	235,276	214,310	211,364	227,945	248,360	270,412	272,922	272,025	275,805	251,037	228,227	224,273	237,992	253,030	274,818	277,812	529,185	536,696	486,313	442,537	435,637	465,937	501,389	545,230	550,734	
	55-59	213,672	239,929	243,960	220,815	202,445	202,065	218,695	238,604	260,836	230,127	257,646	261,890	239,126	218,859	217,516	231,253	246,233	268,629	443,799	497,575	505,850	459,941	421,304	419,581	449,948	484,836	529,465	
	60-64	176,684	194,952	220,273	224,442	203,400	188,553	189,115	205,991	225,831	198,498	212,671	239,224	243,655	222,609	206,016	205,419	219,398	234,477	375,182	407,623	459,497	468,097	426,009	394,569	394,534	425,389	460,308	
	65-69	125,856	156,755	171,016	193,485	196,111	177,540	164,847	166,827	183,116	148,350	185,499	197,087	221,980	225,533	206,437	190,448	191,220	204,787	274,206	342,254	368,103	415,465	421,644	383,977	355,294	358,047	387,903	
	70-74	90,451	109,595	136,594	148,054	168,612	170,869	154,043	144,258	147,050	113,584	136,026	169,926	179,822	203,441	207,007	188,630	174,930	176,499	204,035	245,622	306,520	327,876	372,054	377,876	342,673	319,188	323,549	
	75-79	70,749	75,070	91,277	114,279	124,062	142,442	144,524	130,617	123,291	98,986	101,206	121,051	151,757	161,023	182,776	186,228	170,853	159,193	169,735	176,276	212,328	266,036	285,085	325,218	330,752	301,469	282,484	
	80-84	55,006	53,481	56,928	69,714	88,283	96,173	111,826	114,384	104,306	86,476	81,316	83,287	100,181	126,841	134,775	153,478	158,406	146,276	141,482	134,796	140,215	169,894	215,124	230,947	265,305	272,790	250,581	
	85 +	44,912	51,565	53,153	56,426	67,340	84,838	97,905	115,651	126,083	98,418	105,766	105,102	107,093	122,376	150,339	169,191	196,340	215,823	143,330	157,331	158,254	163,519	189,716	235,177	267,096	311,990	341,907	
TOTAL	3,377,890	3,444,688	3,502,920	3,579,249	3,675,230	3,791,399	3,905,033	4,015,465	4,134,840	3,568,530	3,632,449	3,686,798	3,761,205	3,857,401	3,970,478	4,071,083	4,169,595	4,271,990	6,946,420	7,077,137	7,189,718	7,340,455	7,532,631	7,761,878	7,976,116	8,185,060	8,406,830		
Fairfield	0-4	29,226	27,217	28,477	30,279	32,400	33,687	34,055	34,150	34,348	27,673	26,062	27,198	28,864	30,821	32,029	32,358	32,453	32,617	56,899	53,279	55,675	59,143	63,222	65,716	66,412	66,603	66,965	
	5-9	32,165	31,770	28,835	30,309	32,580	34,913	36,378	36,846	37,106	30,742	30,499	27,845	29,115	31,157	33,300	34,673	35,102	35,330	62,907	62,268	56,680	59,424	63,738	68,213	71,051	71,948	72,437	
	10-14	34,212	33,632	32,613	30,040	31,866	34,282	36,736	38,289	38,943	32,394	32,312	31,432	29,057	30,575	32,729	34,975	36,429	37,013	66,606	65,944	64,045	59,098	62,441	67,011	71,711	74,718	75,956	
	15-19	31,816	33,086	32,000	31,402	29,253	31,278	33,653	36,015	37,592	30,376	30,719	30,273	29,715	27,681	29,398	31,477	33,602	35,023	62,192	63,804	62,273	61,117	56,934	60,676	65,130	69,617	72,615	
	20-24	25,884	28,775	29,151	28,227	27,968	25,877	28,222	30,308	32,480	24,632	28,317	27,273	27,113	26,736	24,763	26,749	28,607	30,573	50,516	57,092	56,424	55,340	54,704	50,640	54,971	58,914	63,052	
	25-29	26,445	28,254	30,742	31,681	31,210	30,996	28,882	31,106	33,510	25,806	27,919	30,968	30,548	30,686	30,388	28,367	30,196	32,360	52,251	56,173	61,710	62,230	61,897	61,384	57,250	61,302	65,870	
	30-34	26,507	28,938	30,579	33,614	35,270	35,022	34,820	32,645	34,840	27,305	29,264	31,063	34,668	35,009	35,257	35,008	32,917	34,647	53,812	58,203	61,642	68,282	70,279	70,280	69,828	65,561	69,487	
	35-39	29,184	28,012	30,305	32,463	36,090	38,063	37,951	37,739	35,626	30,937	29,607	31,062	33,245	37,344	38,011	38,322	38,090	36,037	60,121	57,619	61,367	65,708	73,434	76,075	76,273	75,829	71,663	
	40-44	34,249	29,462	28,265	30,945	33,632	37,472	39,578	39,486	39,411	36,876	31,983	30,211	31,917	34,474	38,756	39,541	39,870	39,741	71,125	61,446	58,476	62,861	68,106	76,228	79,119	79,355	79,152	
	45-49	37,237	33,465	28,906	28,105	31,200	33,994	37,911	40,014	40,032	40,125	36,246	30,993	29,690	31,815	34,450	38,771	39,466	39,899	77,362	69,711	59,899	57,795	63,015	68,443	76,682	79,480	79,931	
	50-54	35,084	35,886	31,592	27,635	27,377	30,613	33,366	37,239	39,358	36,840	38,435	34,659	29,884	29,059	31,315	33,930	38,233	38,890	71,924	74,321	66,252	57,519	56,436	61,929	67,296	75,472	78,249	
	55-59	28,621	32,516	32,953	29,108	25,797	25,845	29,144	31,720	35,586	29,993	34,544	35,216	31,782	27,618	27													

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male									Female									Total									
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	
	70-74	3,033	4,151	5,502	6,122	6,950	6,908	6,239	5,117	4,686	3,498	4,580	6,044	6,821	7,921	7,850	7,104	5,849	5,296	6,531	8,731	11,546	12,943	14,871	14,758	13,344	10,966	9,982	
	75-79	2,307	2,618	3,599	4,796	5,368	6,145	6,145	5,598	4,620	2,897	3,168	4,151	5,500	6,250	7,322	7,287	6,703	5,564	5,204	5,786	7,750	10,296	11,618	13,466	13,432	12,301	10,184	
	80-84	1,768	1,745	2,007	2,798	3,758	4,278	4,940	4,998	4,585	2,586	2,496	2,733	3,582	4,775	5,495	6,434	6,533	6,074	4,354	4,241	4,740	6,380	8,533	9,774	11,374	11,531	10,659	
	85 +	1,549	1,695	1,752	1,978	2,637	3,697	4,539	5,510	6,039	3,291	3,325	3,311	3,516	4,281	5,591	6,746	8,180	9,041	4,840	5,020	5,063	5,494	6,918	9,288	11,285	13,690	15,081	
	TOTAL	93,338	93,691	94,169	95,007	96,026	97,432	98,100	98,987	99,736	96,589	96,587	96,863	97,554	98,563	99,724	99,843	99,843	99,404	189,927	190,278	191,032	192,561	194,590	197,156	197,942	198,830	199,140	
New Haven	0-4	24,930	23,273	24,588	26,114	27,149	27,230	26,888	26,704	27,068	23,733	22,395	23,624	25,083	26,079	26,166	25,833	25,665	26,009	48,663	45,668	48,212	51,197	53,228	53,396	52,721	52,369	53,077	
	5-9	26,254	25,634	24,051	25,534	27,381	28,515	28,672	28,336	28,234	25,505	24,348	23,065	24,462	26,222	27,305	27,461	27,137	27,049	51,759	49,982	47,116	49,995	53,603	55,820	56,133	55,473	55,283	
	10-14	28,831	27,130	26,552	25,187	26,925	28,875	30,119	30,318	30,088	27,526	26,361	25,255	24,155	25,795	27,652	28,840	29,038	28,816	56,357	53,491	51,807	49,341	52,721	56,527	58,959	59,356	58,904	
	15-19	31,589	30,661	29,016	28,597	27,540	29,260	31,365	32,740	33,135	30,659	29,211	28,064	27,137	26,298	27,933	29,931	31,238	31,620	62,248	59,872	57,079	55,734	53,837	57,193	61,296	63,978	64,754	
	20-24	29,563	30,590	29,715	28,257	28,073	27,038	28,823	30,892	32,284	30,076	31,620	30,303	29,270	28,500	27,646	29,287	31,358	32,812	59,639	62,209	60,019	57,527	56,573	54,685	58,110	62,249	65,096	
	25-29	27,602	30,210	31,413	30,807	29,593	29,404	28,380	30,141	32,373	28,378	31,724	33,572	32,609	31,795	30,997	30,102	31,698	33,982	55,980	61,934	64,986	63,416	61,388	60,401	58,482	61,840	66,355	
	30-34	25,310	27,752	30,488	32,001	31,754	30,565	30,388	29,337	31,193	26,601	28,760	32,238	34,421	33,824	33,022	32,222	31,280	32,969	51,911	56,512	62,726	66,422	65,578	63,588	62,610	60,618	64,163	
	35-39	25,593	25,025	27,563	30,590	32,518	32,316	31,144	30,949	29,980	27,272	26,712	28,963	32,749	35,381	34,845	34,054	33,214	32,339	52,865	51,736	56,527	63,340	67,898	67,161	65,198	64,163	62,319	
	40-44	29,678	25,418	24,942	27,725	31,144	33,167	33,013	31,808	31,708	31,464	27,307	26,816	29,305	33,485	36,239	35,748	34,929	34,166	61,142	52,725	51,758	57,030	64,628	69,406	68,761	66,737	65,875	
	45-49	32,367	29,303	25,219	24,981	28,106	31,629	33,742	33,586	32,479	34,158	31,160	27,155	26,901	29,723	34,011	36,845	36,355	35,633	66,525	60,463	52,374	51,882	57,828	65,641	70,586	69,941	68,111	
	50-54	32,054	31,726	28,866	25,095	25,150	28,341	31,949	34,092	34,066	34,044	33,958	31,132	27,387	27,394	30,288	34,675	37,596	37,247	66,098	65,684	59,998	52,482	52,544	58,629	66,624	71,688	71,313	
	55-59	27,088	31,007	30,840	28,328	24,914	25,023	28,251	31,866	34,134	29,351	33,288	33,327	30,827	27,428	27,497	30,438	34,869	37,925	56,439	64,296	64,167	59,155	52,342	52,521	58,689	66,735	72,059	
	60-64	22,994	25,173	28,981	28,984	26,852	23,652	23,903	27,094	30,684	25,885	27,877	31,781	31,995	29,844	26,576	26,749	29,720	34,185	48,879	53,050	60,762	60,979	56,696	50,228	50,652	56,814	64,868	
	65-69	16,555	21,045	23,017	26,600	26,570	24,624	21,711	22,085	25,166	19,065	24,427	26,293	30,049	30,249	28,231	25,120	25,419	28,329	35,620	45,472	49,310	56,649	56,820	52,855	46,830	47,504	53,495	
	70-74	11,198	14,845	18,931	20,746	24,074	24,092	22,385	19,792	20,239	13,916	17,751	22,801	24,623	28,207	28,483	26,592	23,788	24,119	25,114	32,595	41,732	45,369	52,281	52,575	48,976	43,580	44,358	
	75-79	9,127	9,707	12,895	16,546	18,278	21,310	21,499	20,116	17,902	12,603	12,507	15,998	20,629	22,378	25,727	25,993	24,460	21,969	21,730	22,214	28,893	37,175	40,656	47,037	47,492	44,576	39,872	
	80-84	7,467	7,033	7,552	10,130	13,119	14,624	17,207	17,513	16,532	11,928	10,690	10,660	13,681	17,748	19,408	22,300	22,839	21,644	19,395	17,723	18,212	23,811	30,868	34,032	39,506	40,352	38,176	
	85 +	6,890	7,324	7,286	7,735	9,796	12,780	15,126	18,071	19,663	15,223	15,558	14,960	14,824	17,192	21,573	24,895	29,236	32,063	22,113	22,882	22,246	22,558	26,988	34,354	40,021	47,308	51,726	
	TOTAL	415,090	422,855	431,917	443,957	458,937	472,446	484,564	495,441	506,926	447,387	455,654	466,008	480,106	497,542	513,601	527,083	539,841	552,878	862,477	878,509	897,926	924,063	956,479	986,046	1,011,647	1,035,282	1,059,804	
Connecticut	0-4	58,947	54,988	57,667	61,185	64,431	65,706	65,535	65,271	65,800	55,693	52,299	54,731	58,015	61,042	62,241	62,069	61,835	62,312	114,640	107,287	112,398	119,200	125,473	127,947	127,605	127,107	128,112	
	5-9	64,103	62,707	57,904	60,969	65,337	68,941	70,491	70,435	70,412	61,619	59,649	55,244	57,960	61,965	65,305	66,753	66,685	66,656	125,722	122,357	113,148	118,930	127,302	134,246				

NYMTC 2050 SED Forecast
Technical Memorandum on Forecast Results

		Male								Female								Total										
		2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050	2010	2015	2020	2025	2030	2035	2040	2045	2050
	15-19	778,266	751,594	738,159	741,570	738,488	769,602	800,249	824,211	841,024	736,576	712,088	700,393	700,933	694,894	722,782	750,086	771,793	786,832	1,514,842	1,463,682	1,438,552	1,442,503	1,433,382	1,492,385	1,550,335	1,596,004	1,627,856
	20-24	756,684	784,702	750,009	740,629	749,418	751,460	784,933	812,342	834,454	746,008	776,693	740,262	731,228	738,904	738,246	769,349	794,484	814,662	1,502,692	1,561,395	1,490,271	1,471,857	1,488,323	1,489,706	1,554,283	1,606,827	1,649,116
	25-29	773,160	826,395	850,159	817,819	811,061	826,312	830,628	864,809	894,737	799,618	840,306	865,357	830,773	824,292	838,684	840,290	872,364	901,035	1,572,778	1,666,701	1,715,516	1,648,592	1,635,353	1,664,996	1,670,918	1,737,172	1,795,772
	30-34	742,214	782,103	837,290	869,782	846,555	842,387	858,065	858,852	895,305	771,706	813,393	856,978	892,299	866,883	862,419	876,104	874,604	908,283	1,513,920	1,595,496	1,694,268	1,762,082	1,713,438	1,704,806	1,734,170	1,733,456	1,803,589
	35-39	735,988	724,960	764,508	826,272	867,670	850,886	846,618	858,929	860,364	770,980	762,704	801,330	850,889	895,217	876,290	872,310	883,117	881,944	1,506,968	1,487,664	1,565,838	1,677,161	1,762,886	1,727,176	1,718,927	1,742,046	1,742,308
	40-44	787,558	711,431	702,049	746,952	813,802	860,696	845,372	840,098	853,453	831,738	755,512	746,850	790,062	844,033	893,090	875,455	871,022	882,214	1,619,296	1,466,943	1,448,899	1,537,013	1,657,835	1,753,786	1,720,826	1,711,120	1,735,667
	45-49	830,344	751,382	681,459	679,318	728,615	797,585	844,666	828,531	826,267	881,720	802,941	730,752	729,221	776,613	832,067	881,587	862,958	861,251	1,712,064	1,554,323	1,412,211	1,408,539	1,505,227	1,629,652	1,726,253	1,691,489	1,687,518
	50-54	788,108	797,658	723,499	661,848	665,202	716,839	785,200	830,713	816,896	846,050	859,643	785,386	721,788	726,017	776,121	831,139	880,089	862,960	1,634,158	1,657,301	1,508,885	1,383,636	1,391,219	1,492,960	1,616,338	1,710,802	1,679,856
	55-59	662,226	725,905	736,318	671,236	617,203	624,199	674,422	738,982	784,859	731,095	795,514	809,542	743,866	687,576	695,421	744,253	797,525	848,232	1,393,321	1,521,419	1,545,860	1,415,102	1,304,778	1,319,620	1,418,675	1,536,506	1,633,091
	60-64	555,585	602,999	663,718	676,344	617,592	570,859	580,211	628,742	691,780	639,736	683,480	745,999	762,709	702,172	652,321	662,151	710,598	763,861	1,195,321	1,286,479	1,409,717	1,439,053	1,319,764	1,223,180	1,242,362	1,339,340	1,455,641
	65-69	392,021	482,330	519,727	575,445	584,341	531,580	491,360	501,845	546,764	475,427	581,857	618,588	678,510	692,841	636,674	589,977	600,799	646,413	867,448	1,064,186	1,138,315	1,253,955	1,277,181	1,168,254	1,081,337	1,102,644	1,193,177
	70-74	286,108	337,691	415,663	447,070	497,746	505,045	457,741	424,446	436,224	369,239	431,092	527,755	561,188	617,562	631,234	578,245	537,223	548,860	655,347	768,783	943,418	1,008,258	1,115,308	1,136,279	1,035,986	961,669	985,084
	75-79	220,870	234,859	278,370	345,256	371,440	416,916	423,279	383,795	357,416	309,381	322,050	376,870	463,961	493,701	545,778	557,679	512,914	477,343	530,251	556,908	655,240	809,217	865,141	962,694	980,958	896,709	834,760
	80-84	168,147	162,974	173,511	208,746	260,946	281,993	319,718	326,353	297,026	270,164	249,822	259,019	306,050	378,831	404,513	448,195	462,525	426,944	438,311	412,796	432,530	514,796	639,777	686,507	767,913	788,878	723,970
	85 +	138,527	156,988	161,358	172,131	201,893	251,177	285,916	329,834	354,283	303,143	326,131	323,741	332,944	374,327	450,586	504,305	572,273	620,793	441,670	483,119	485,099	505,075	576,220	701,763	790,221	902,107	975,076
	TOTAL	10,754,159	10,951,067	11,113,906	11,334,844	11,602,760	11,894,944	12,174,218	12,426,854	12,695,327	11,527,851	11,736,142	11,907,998	12,146,027	12,433,144	12,736,262	13,004,873	13,255,312	13,510,423	22,282,010	22,687,209	23,021,904	23,480,872	24,035,904	24,631,206	25,179,090	25,682,166	26,205,750
		9	7	6	4	0	4	8	4	7	1	2	8	7	4	2	3	2	3	0	9	4	2	4	6	0	6	0

APPENDIX B: COUNTY LEVEL TOTAL EMPLOYMENT FORECASTS BY INDUSTRY

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
09001-Fairfield County, CT	11-Agriculture	714	1,165	1,265	1,313	1,412	1,491	1,576	1,651	1,730
09001-Fairfield County, CT	21-Mining	95	102	103	103	108	115	124	134	147
09001-Fairfield County, CT	22-Utilities	1,570	1,326	1,302	1,265	1,261	1,252	1,225	1,194	1,165
09001-Fairfield County, CT	23-Construction	26,753	27,817	31,487	34,157	37,962	41,117	44,804	48,667	52,774
09001-Fairfield County, CT	31-33-Manufacturing	40,347	42,220	41,083	38,854	36,878	35,458	34,147	32,979	31,813
09001-Fairfield County, CT	42-Wholesale Trade	20,266	15,578	15,605	15,582	15,839	16,162	16,491	16,867	17,286
09001-Fairfield County, CT	44-45-Retail Trade	49,296	54,142	55,210	55,755	56,459	56,995	57,628	58,464	59,622
09001-Fairfield County, CT	48-49-Transportation & Warehousing	9,966	11,919	12,064	11,977	12,102	12,395	12,720	12,966	13,251
09001-Fairfield County, CT	51-Information	9,839	11,801	12,237	12,532	12,617	12,965	13,332	13,760	14,200
09001-Fairfield County, CT	52-Finance & Insurance	43,370	44,574	45,065	44,860	44,798	45,075	45,292	45,617	46,005
09001-Fairfield County, CT	53-Real Estate, Rental & Leasing	8,915	9,255	9,160	9,043	8,900	8,777	8,597	8,337	8,061
09001-Fairfield County, CT	54-Professional, Scientific & Technical	43,610	45,695	48,221	50,428	52,480	54,692	57,384	59,489	61,553
09001-Fairfield County, CT	55-Management Of Companies & Enterprises	14,649	15,939	16,274	16,877	17,588	18,365	19,413	20,655	22,017
09001-Fairfield County, CT	56-Administrative, Support, Waste Management	29,923	32,957	35,140	37,504	40,189	43,098	46,344	49,750	53,227
09001-Fairfield County, CT	61-Educational Services	12,220	13,558	14,506	15,115	15,691	16,114	16,555	17,026	17,538
09001-Fairfield County, CT	62-Health Care & Social Assistance	62,588	70,746	75,857	77,378	79,039	80,643	82,250	83,962	85,719
09001-Fairfield County, CT	71-Arts, Entertainment & Recreation	8,564	11,233	11,392	11,364	11,309	11,281	11,288	11,318	11,361
09001-Fairfield County, CT	72-Accommodation & Food Services	21,508	30,608	31,219	31,105	31,527	32,167	32,828	33,517	34,297
09001-Fairfield County, CT	81-Other Services	26,559	29,392	29,886	30,441	31,099	31,669	32,064	32,640	33,200
09001-Fairfield County, CT	92-Government	50,114	43,611	44,463	45,345	45,891	46,521	47,288	47,781	48,284
09005-Litchfield County, CT	11-Agriculture	901	1,198	1,264	1,255	1,271	1,256	1,235	1,197	1,157
09005-Litchfield County, CT	21-Mining	130	191	185	176	171	167	165	161	159
09005-Litchfield County, CT	22-Utilities	130	184	180	173	172	171	167	163	159
09005-Litchfield County, CT	23-Construction	5,218	4,955	5,473	5,720	6,066	6,244	6,440	6,600	6,753
09005-Litchfield County, CT	31-33-Manufacturing	7,926	7,871	7,691	7,225	6,800	6,500	6,224	5,976	5,731
09005-Litchfield County, CT	42-Wholesale Trade	2,017	1,458	1,463	1,449	1,471	1,504	1,536	1,573	1,614
09005-Litchfield County, CT	44-45-Retail Trade	8,856	8,655	8,840	8,858	8,956	9,062	9,175	9,325	9,528
09005-Litchfield County, CT	48-49-Transportation & Warehousing	1,639	2,171	2,195	2,159	2,174	2,227	2,285	2,328	2,379
09005-Litchfield County, CT	51-Information	624	777	804	824	832	848	872	899	927
09005-Litchfield County, CT	52-Finance & Insurance	1,893	2,420	2,424	2,395	2,370	2,367	2,363	2,373	2,386
09005-Litchfield County, CT	53-Real Estate, Rental & Leasing	695	830	814	797	778	761	741	718	693
09005-Litchfield County, CT	54-Professional, Scientific & Technical	3,443	3,934	4,151	4,309	4,472	4,690	4,922	5,097	5,266
09005-Litchfield County, CT	55-Management Of Companies & Enterprises	978	1,073	1,096	1,128	1,172	1,232	1,302	1,383	1,470
09005-Litchfield County, CT	56-Administrative, Support, Waste Management	3,539	3,535	3,768	3,992	4,266	4,604	4,955	5,321	5,694
09005-Litchfield County, CT	61-Educational Services	2,611	3,104	3,309	3,437	3,557	3,628	3,706	3,787	3,875
09005-Litchfield County, CT	62-Health Care & Social Assistance	9,798	10,742	11,474	11,668	11,880	12,038	12,204	12,374	12,547
09005-Litchfield County, CT	71-Arts, Entertainment & Recreation	1,858	1,885	1,916	1,900	1,881	1,872	1,866	1,865	1,866
09005-Litchfield County, CT	72-Accommodation & Food Services	3,570	4,547	4,649	4,605	4,643	4,725	4,803	4,886	4,981
09005-Litchfield County, CT	81-Other Services	4,094	3,851	3,959	4,037	4,172	4,338	4,519	4,668	4,820
09005-Litchfield County, CT	92-Government	8,517	8,140	8,300	8,436	8,501	8,604	8,727	8,806	8,884
09009-New Haven County, CT	11-Agriculture	1,446	1,229	1,330	1,379	1,481	1,563	1,652	1,730	1,813
09009-New Haven County, CT	21-Mining	116	227	227	227	238	252	273	297	324
09009-New Haven County, CT	22-Utilities	1,391	1,721	1,685	1,632	1,622	1,609	1,574	1,533	1,494

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
09009-New Haven County, CT	23-Construction	17,674	20,770	23,462	25,423	28,239	30,593	33,361	36,258	39,343
09009-New Haven County, CT	31-33-Manufacturing	39,028	34,288	33,574	31,913	30,449	29,432	28,488	27,628	26,761
09009-New Haven County, CT	42-Wholesale Trade	16,987	18,590	18,577	18,485	18,734	19,099	19,479	19,911	20,392
09009-New Haven County, CT	44-45-Retail Trade	44,803	47,769	48,593	48,902	49,371	49,792	50,315	51,000	51,958
09009-New Haven County, CT	48-49-Transportation & Warehousing	10,360	9,468	9,562	9,462	9,534	9,756	10,007	10,193	10,410
09009-New Haven County, CT	51-Information	7,825	6,338	6,549	6,660	6,706	6,878	7,116	7,367	7,626
09009-New Haven County, CT	52-Finance & Insurance	12,299	12,620	12,633	12,438	12,338	12,406	12,474	12,637	12,811
09009-New Haven County, CT	53-Real Estate, Rental & Leasing	5,790	6,109	5,987	5,846	5,714	5,630	5,524	5,404	5,277
09009-New Haven County, CT	54-Professional, Scientific & Technical	19,680	21,079	22,324	23,268	24,085	25,109	26,311	27,252	28,162
09009-New Haven County, CT	55-Management Of Companies & Enterprises	3,121	4,328	4,435	4,584	4,752	4,964	5,238	5,563	5,914
09009-New Haven County, CT	56-Administrative, Support, Waste Management	17,515	21,405	22,902	24,360	25,965	27,856	29,944	32,166	34,442
09009-New Haven County, CT	61-Educational Services	29,270	29,690	31,740	33,030	34,280	35,172	36,103	37,094	38,176
09009-New Haven County, CT	62-Health Care & Social Assistance	72,966	72,491	77,662	79,113	80,792	82,354	83,915	85,572	87,270
09009-New Haven County, CT	71-Arts, Entertainment & Recreation	6,005	6,392	6,467	6,418	6,349	6,310	6,283	6,268	6,260
09009-New Haven County, CT	72-Accommodation & Food Services	27,379	30,077	30,606	30,334	30,563	31,071	31,566	32,082	32,687
09009-New Haven County, CT	81-Other Services	18,997	17,238	17,700	18,075	18,643	19,236	19,812	20,236	20,669
09009-New Haven County, CT	92-Government	50,729	49,557	50,220	50,772	51,201	51,626	52,381	52,587	52,882
34003-Bergen County, NJ	11-Agriculture	1,070	363	402	429	439	435	426	399	370
34003-Bergen County, NJ	21-Mining	143	25	27	27	27	27	27	25	24
34003-Bergen County, NJ	22-Utilities	1,677	1,496	1,484	1,514	1,559	1,582	1,545	1,486	1,427
34003-Bergen County, NJ	23-Construction	20,760	22,540	25,132	26,778	27,468	27,220	27,227	26,306	25,286
34003-Bergen County, NJ	31-33-Manufacturing	35,743	36,180	34,932	32,960	30,917	29,089	27,271	25,675	24,083
34003-Bergen County, NJ	42-Wholesale Trade	32,908	34,375	33,325	32,864	32,222	32,483	32,380	31,972	31,602
34003-Bergen County, NJ	44-45-Retail Trade	55,840	63,535	64,438	65,072	64,425	63,193	60,916	58,282	55,611
34003-Bergen County, NJ	48-49-Transportation & Warehousing	16,800	15,440	14,561	14,535	14,191	14,005	13,635	13,012	12,386
34003-Bergen County, NJ	51-Information	12,617	9,042	9,709	10,328	10,755	11,512	12,392	13,676	14,980
34003-Bergen County, NJ	52-Finance & Insurance	18,027	20,245	20,509	21,173	21,881	22,994	24,085	24,867	25,637
34003-Bergen County, NJ	53-Real Estate, Rental & Leasing	9,906	9,487	9,310	9,534	9,804	10,109	10,385	10,444	10,522
34003-Bergen County, NJ	54-Professional, Scientific & Technical	37,860	43,948	47,084	48,406	49,549	51,946	54,098	55,848	57,544
34003-Bergen County, NJ	55-Management Of Companies & Enterprises	16,336	19,229	20,093	20,884	21,489	22,728	24,041	25,867	27,822
34003-Bergen County, NJ	56-Administrative, Support, Waste Management	25,362	28,576	31,134	32,803	33,922	36,157	38,516	41,521	44,644
34003-Bergen County, NJ	61-Educational Services	9,091	11,618	12,660	14,043	14,938	15,624	16,435	17,237	18,142
34003-Bergen County, NJ	62-Health Care & Social Assistance	62,020	68,832	74,725	78,652	81,291	84,043	87,269	90,311	93,424
34003-Bergen County, NJ	71-Arts, Entertainment & Recreation	6,803	7,985	8,083	8,324	8,261	8,184	8,162	8,162	8,197
34003-Bergen County, NJ	72-Accommodation & Food Services	26,794	26,267	26,944	27,518	28,183	28,883	29,746	30,787	31,933
34003-Bergen County, NJ	81-Other Services	21,292	23,790	24,084	24,032	23,829	23,747	23,470	22,945	22,411
34003-Bergen County, NJ	92-Government	44,440	48,902	49,683	51,008	52,448	54,374	56,513	58,390	60,251
34013-Essex County, NJ	11-Agriculture	323	531	631	671	691	692	691	660	628
34013-Essex County, NJ	21-Mining	13	100	148	156	176	193	211	221	229
34013-Essex County, NJ	22-Utilities	658	502	524	522	526	511	472	426	379
34013-Essex County, NJ	23-Construction	16,067	19,940	23,769	25,552	26,419	26,720	27,703	27,927	28,167
34013-Essex County, NJ	31-33-Manufacturing	19,896	17,055	16,675	15,774	15,083	14,385	13,660	13,055	12,453
34013-Essex County, NJ	42-Wholesale Trade	15,056	13,543	13,096	12,560	12,136	11,875	11,395	10,873	10,338
34013-Essex County, NJ	44-45-Retail Trade	29,679	27,975	28,112	27,837	27,741	28,012	28,023	28,241	28,609
34013-Essex County, NJ	48-49-Transportation & Warehousing	30,428	25,774	26,007	24,668	24,537	25,467	26,460	27,416	28,552

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
34013-Essex County, NJ	51-Information	7,075	5,740	6,194	6,426	6,526	6,716	6,930	7,372	7,842
34013-Essex County, NJ	52-Finance & Insurance	20,365	21,780	22,794	22,788	22,811	23,120	23,375	23,457	23,475
34013-Essex County, NJ	53-Real Estate, Rental & Leasing	6,633	7,114	7,117	7,104	7,122	7,121	7,079	6,913	6,728
34013-Essex County, NJ	54-Professional, Scientific & Technical	32,534	34,223	36,288	37,128	38,646	41,041	43,049	44,554	46,013
34013-Essex County, NJ	55-Management Of Companies & Enterprises	4,848	6,693	7,052	7,283	7,626	8,191	8,760	9,521	10,336
34013-Essex County, NJ	56-Administrative, Support, Waste Management	25,496	27,146	29,739	30,654	31,892	34,216	36,589	39,529	42,559
34013-Essex County, NJ	61-Educational Services	13,175	13,797	15,311	16,622	17,385	17,806	18,333	18,868	19,500
34013-Essex County, NJ	62-Health Care & Social Assistance	57,023	56,083	60,721	62,160	62,733	63,437	64,419	65,458	66,494
34013-Essex County, NJ	71-Arts, Entertainment & Recreation	5,234	5,582	5,712	5,741	5,585	5,534	5,573	5,668	5,807
34013-Essex County, NJ	72-Accommodation & Food Services	19,895	24,189	25,053	25,086	25,553	26,544	27,804	29,382	31,062
34013-Essex County, NJ	81-Other Services	21,610	22,473	22,753	22,393	22,282	23,030	23,775	24,391	25,023
34013-Essex County, NJ	92-Government	76,489	72,518	72,954	73,413	74,140	75,920	78,302	80,206	82,150
34017-Hudson County, NJ	11-Agriculture	88	81	92	95	96	94	91	84	78
34017-Hudson County, NJ	21-Mining	3	237	268	269	265	254	247	231	213
34017-Hudson County, NJ	22-Utilities	537	434	459	468	493	509	505	496	488
34017-Hudson County, NJ	23-Construction	12,580	13,071	15,132	15,654	15,929	15,574	15,366	14,817	14,247
34017-Hudson County, NJ	31-33-Manufacturing	11,198	10,386	10,402	9,979	9,522	9,093	8,664	8,319	7,976
34017-Hudson County, NJ	42-Wholesale Trade	17,764	18,730	18,867	18,473	18,168	18,383	18,399	18,295	18,229
34017-Hudson County, NJ	44-45-Retail Trade	27,038	31,418	33,102	33,617	33,608	33,170	32,206	31,252	30,301
34017-Hudson County, NJ	48-49-Transportation & Warehousing	24,164	21,336	21,142	20,749	20,334	20,110	19,663	18,950	18,246
34017-Hudson County, NJ	51-Information	4,961	5,151	5,751	6,063	6,341	6,809	7,316	8,024	8,752
34017-Hudson County, NJ	52-Finance & Insurance	34,208	34,707	36,722	37,916	39,316	41,507	43,666	45,315	46,891
34017-Hudson County, NJ	53-Real Estate, Rental & Leasing	4,600	4,820	4,871	5,026	5,215	5,411	5,593	5,667	5,748
34017-Hudson County, NJ	54-Professional, Scientific & Technical	17,007	27,955	30,669	31,616	32,668	34,437	35,976	37,114	38,207
34017-Hudson County, NJ	55-Management Of Companies & Enterprises	3,623	3,898	4,235	4,389	4,558	4,855	5,165	5,590	6,041
34017-Hudson County, NJ	56-Administrative, Support, Waste Management	16,090	24,582	27,943	29,052	30,032	32,013	34,155	36,865	39,670
34017-Hudson County, NJ	61-Educational Services	6,608	6,289	7,204	7,994	8,571	8,998	9,500	10,017	10,601
34017-Hudson County, NJ	62-Health Care & Social Assistance	32,381	28,995	32,369	34,080	35,331	36,658	38,171	39,678	41,184
34017-Hudson County, NJ	71-Arts, Entertainment & Recreation	2,317	4,230	4,444	4,541	4,478	4,410	4,378	4,377	4,408
34017-Hudson County, NJ	72-Accommodation & Food Services	14,456	25,326	26,910	27,408	28,184	28,990	29,983	31,287	32,685
34017-Hudson County, NJ	81-Other Services	14,427	11,714	12,290	12,286	12,221	12,231	12,170	12,021	11,870
34017-Hudson County, NJ	92-Government	45,864	40,686	42,537	43,951	45,813	47,815	50,234	52,227	54,289
34019-Hunterdon County, NJ	11-Agriculture	621	1,157	1,233	1,195	1,133	1,061	1,000	918	838
34019-Hunterdon County, NJ	21-Mining	40	108	159	160	170	184	199	207	212
34019-Hunterdon County, NJ	22-Utilities	98	181	182	177	174	171	161	148	134
34019-Hunterdon County, NJ	23-Construction	2,710	3,255	3,392	3,271	3,094	2,929	2,846	2,736	2,623
34019-Hunterdon County, NJ	31-33-Manufacturing	5,320	5,017	4,785	4,395	4,062	3,768	3,473	3,204	2,935
34019-Hunterdon County, NJ	42-Wholesale Trade	2,046	1,618	1,539	1,496	1,441	1,400	1,337	1,264	1,191
34019-Hunterdon County, NJ	44-45-Retail Trade	8,013	7,871	7,790	7,708	7,641	7,674	7,603	7,502	7,423
34019-Hunterdon County, NJ	48-49-Transportation & Warehousing	1,012	1,499	1,481	1,421	1,415	1,464	1,507	1,540	1,582
34019-Hunterdon County, NJ	51-Information	889	965	1,016	1,052	1,058	1,092	1,138	1,224	1,314
34019-Hunterdon County, NJ	52-Finance & Insurance	3,421	4,455	4,531	4,543	4,577	4,701	4,822	4,881	4,950
34019-Hunterdon County, NJ	53-Real Estate, Rental & Leasing	656	662	653	653	653	661	664	649	634
34019-Hunterdon County, NJ	54-Professional, Scientific & Technical	7,121	6,792	7,215	7,396	7,597	8,078	8,529	8,957	9,372
34019-Hunterdon County, NJ	55-Management Of Companies & Enterprises	1,440	1,467	1,527	1,562	1,611	1,732	1,859	2,033	2,219

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
34019-Hunterdon County, NJ	56-Administrative, Support, Waste Management	2,378	2,854	3,104	3,221	3,365	3,647	3,934	4,301	4,685
34019-Hunterdon County, NJ	61-Educational Services	648	652	710	758	793	830	872	913	960
34019-Hunterdon County, NJ	62-Health Care & Social Assistance	7,278	6,767	7,257	7,514	7,705	7,958	8,264	8,554	8,867
34019-Hunterdon County, NJ	71-Arts, Entertainment & Recreation	1,506	1,417	1,465	1,485	1,490	1,513	1,546	1,582	1,622
34019-Hunterdon County, NJ	72-Accommodation & Food Services	3,040	3,542	3,657	3,696	3,793	3,959	4,156	4,378	4,625
34019-Hunterdon County, NJ	81-Other Services	2,907	2,576	2,587	2,562	2,579	2,664	2,727	2,757	2,789
34019-Hunterdon County, NJ	92-Government	9,508	9,471	9,520	9,776	10,008	10,448	10,925	11,415	11,928
34021-Mercer County, NJ	11-Agriculture	1,246	377	419	435	438	428	422	401	380
34021-Mercer County, NJ	21-Mining	92	130	71	72	68	66	66	65	63
34021-Mercer County, NJ	22-Utilities	903	701	684	662	658	648	620	585	548
34021-Mercer County, NJ	23-Construction	7,092	8,404	9,330	9,662	9,718	9,636	9,770	9,641	9,482
34021-Mercer County, NJ	31-33-Manufacturing	13,435	12,499	12,049	11,430	10,987	10,645	10,310	10,039	9,777
34021-Mercer County, NJ	42-Wholesale Trade	9,694	8,382	8,341	8,248	8,207	8,152	7,997	7,800	7,597
34021-Mercer County, NJ	44-45-Retail Trade	17,609	21,092	21,351	21,588	22,187	23,160	24,058	24,970	26,058
34021-Mercer County, NJ	48-49-Transportation & Warehousing	6,921	6,088	6,072	5,886	5,847	5,975	6,078	6,107	6,147
34021-Mercer County, NJ	51-Information	4,328	3,653	3,761	3,836	3,848	3,946	4,090	4,365	4,639
34021-Mercer County, NJ	52-Finance & Insurance	14,212	16,766	17,550	18,480	19,617	21,058	22,420	23,529	24,664
34021-Mercer County, NJ	53-Real Estate, Rental & Leasing	2,429	3,362	3,440	3,599	3,778	3,988	4,176	4,286	4,406
34021-Mercer County, NJ	54-Professional, Scientific & Technical	25,109	31,367	33,853	34,642	35,292	36,815	38,146	39,241	40,237
34021-Mercer County, NJ	55-Management Of Companies & Enterprises	3,428	4,585	4,769	4,844	4,952	5,166	5,383	5,678	5,986
34021-Mercer County, NJ	56-Administrative, Support, Waste Management	11,732	15,011	16,382	17,092	17,876	19,148	20,359	21,781	23,220
34021-Mercer County, NJ	61-Educational Services	17,044	18,795	20,445	21,657	22,564	23,203	23,963	24,706	25,530
34021-Mercer County, NJ	62-Health Care & Social Assistance	26,927	29,527	32,101	33,161	33,921	34,619	35,448	36,228	37,033
34021-Mercer County, NJ	71-Arts, Entertainment & Recreation	3,810	3,357	3,574	3,753	3,906	4,078	4,238	4,415	4,601
34021-Mercer County, NJ	72-Accommodation & Food Services	14,081	14,395	15,425	16,169	17,174	18,357	19,436	20,564	21,754
34021-Mercer County, NJ	81-Other Services	11,558	9,632	9,792	9,643	9,658	9,750	9,789	9,742	9,687
34021-Mercer County, NJ	92-Government	56,407	54,019	55,504	56,641	57,760	58,951	60,237	61,448	62,642
34023-Middlesex County, NJ	11-Agriculture	476	855	940	980	989	972	986	967	940
34023-Middlesex County, NJ	21-Mining	87	156	188	194	195	194	196	191	185
34023-Middlesex County, NJ	22-Utilities	619	673	635	586	555	531	500	467	433
34023-Middlesex County, NJ	23-Construction	14,556	16,884	19,135	20,354	20,661	20,972	21,779	21,691	21,420
34023-Middlesex County, NJ	31-33-Manufacturing	31,872	31,508	30,613	29,121	27,903	26,863	25,771	24,721	23,665
34023-Middlesex County, NJ	42-Wholesale Trade	35,890	33,713	34,207	34,635	35,582	37,097	38,310	39,327	40,405
34023-Middlesex County, NJ	44-45-Retail Trade	45,720	42,331	42,491	42,068	42,688	44,408	45,768	46,516	47,365
34023-Middlesex County, NJ	48-49-Transportation & Warehousing	19,300	21,786	21,822	21,731	22,098	23,292	24,294	24,832	25,365
34023-Middlesex County, NJ	51-Information	8,605	8,481	8,817	9,080	9,109	9,114	9,237	9,599	9,930
34023-Middlesex County, NJ	52-Finance & Insurance	15,237	15,461	15,887	16,251	17,014	17,883	18,712	19,319	19,961
34023-Middlesex County, NJ	53-Real Estate, Rental & Leasing	6,260	5,281	5,427	5,483	5,594	5,761	5,903	5,929	5,955
34023-Middlesex County, NJ	54-Professional, Scientific & Technical	31,681	35,585	38,069	38,435	37,449	36,968	36,550	36,570	36,400
34023-Middlesex County, NJ	55-Management Of Companies & Enterprises	5,318	7,834	7,935	7,770	7,490	7,304	7,124	7,071	6,982
34023-Middlesex County, NJ	56-Administrative, Support, Waste Management	30,442	35,224	37,307	38,556	39,530	40,672	41,592	43,340	45,179
34023-Middlesex County, NJ	61-Educational Services	5,699	7,283	7,798	7,996	8,251	8,528	8,831	9,092	9,355
34023-Middlesex County, NJ	62-Health Care & Social Assistance	45,216	56,750	61,990	64,209	66,242	68,366	70,577	72,352	74,151
34023-Middlesex County, NJ	71-Arts, Entertainment & Recreation	4,674	4,648	4,866	4,949	5,173	5,422	5,660	5,861	6,063
34023-Middlesex County, NJ	72-Accommodation & Food Services	27,050	26,686	27,730	28,053	29,056	30,550	32,084	33,234	34,402

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
34023-Middlesex County, NJ	81-Other Services	14,884	17,655	17,661	17,281	17,451	18,152	18,830	19,254	19,636
34023-Middlesex County, NJ	92-Government	56,481	54,786	56,468	58,240	59,975	62,189	64,259	65,794	67,232
34025-Monmouth County, NJ	11-Agriculture	1,464	1,075	1,183	1,207	1,193	1,156	1,137	1,081	1,024
34025-Monmouth County, NJ	21-Mining	30	14	17	17	16	16	16	15	14
34025-Monmouth County, NJ	22-Utilities	1,720	1,634	1,579	1,511	1,487	1,464	1,392	1,304	1,211
34025-Monmouth County, NJ	23-Construction	13,018	16,413	18,409	19,120	19,125	19,026	19,481	19,533	19,541
34025-Monmouth County, NJ	31-33-Manufacturing	12,177	10,362	9,837	9,177	8,664	8,229	7,769	7,375	6,978
34025-Monmouth County, NJ	42-Wholesale Trade	10,783	12,322	12,394	12,325	12,553	13,032	13,402	13,766	14,165
34025-Monmouth County, NJ	44-45-Retail Trade	36,214	39,678	39,475	38,948	39,045	40,536	42,020	43,594	45,507
34025-Monmouth County, NJ	48-49-Transportation & Warehousing	6,659	6,895	6,930	6,756	6,834	7,271	7,716	8,106	8,538
34025-Monmouth County, NJ	51-Information	9,000	8,489	8,890	9,161	9,196	9,343	9,569	10,143	10,716
34025-Monmouth County, NJ	52-Finance & Insurance	13,325	11,671	11,760	11,702	11,879	12,269	12,638	12,902	13,168
34025-Monmouth County, NJ	53-Real Estate, Rental & Leasing	4,659	3,890	3,808	3,765	3,780	3,837	3,879	3,859	3,847
34025-Monmouth County, NJ	54-Professional, Scientific & Technical	30,924	28,306	29,494	29,357	28,634	28,431	28,151	28,047	27,921
34025-Monmouth County, NJ	55-Management Of Companies & Enterprises	2,515	3,179	3,212	3,169	3,090	3,068	3,043	3,084	3,115
34025-Monmouth County, NJ	56-Administrative, Support, Waste Management	15,833	14,927	15,808	15,996	15,964	16,296	16,683	17,506	18,396
34025-Monmouth County, NJ	61-Educational Services	7,252	8,454	9,100	9,564	9,864	10,085	10,338	10,577	10,849
34025-Monmouth County, NJ	62-Health Care & Social Assistance	38,298	44,707	47,903	48,976	49,508	50,242	51,097	51,861	52,678
34025-Monmouth County, NJ	71-Arts, Entertainment & Recreation	6,754	8,275	8,462	8,536	8,609	8,885	9,263	9,674	10,117
34025-Monmouth County, NJ	72-Accommodation & Food Services	19,177	23,548	24,222	24,383	25,169	26,696	28,408	30,163	32,018
34025-Monmouth County, NJ	81-Other Services	13,854	14,482	14,299	13,892	13,751	14,066	14,420	14,684	14,953
34025-Monmouth County, NJ	92-Government	44,751	35,416	35,445	35,744	36,037	36,903	37,836	38,660	39,489
34027-Morris County, NJ	11-Agriculture	1,434	1,278	1,418	1,482	1,497	1,464	1,458	1,401	1,333
34027-Morris County, NJ	21-Mining	281	195	277	294	321	343	367	375	377
34027-Morris County, NJ	22-Utilities	685	447	443	418	393	366	330	292	252
34027-Morris County, NJ	23-Construction	11,649	10,320	11,315	11,684	11,783	11,788	11,969	11,734	11,379
34027-Morris County, NJ	31-33-Manufacturing	26,517	27,811	27,611	26,679	25,895	25,098	24,244	23,423	22,580
34027-Morris County, NJ	42-Wholesale Trade	15,941	14,829	14,124	13,673	12,878	11,711	10,250	8,706	7,074
34027-Morris County, NJ	44-45-Retail Trade	32,809	32,101	32,160	31,584	31,244	31,051	30,502	29,690	28,896
34027-Morris County, NJ	48-49-Transportation & Warehousing	8,821	7,341	7,329	7,213	7,203	7,397	7,497	7,476	7,453
34027-Morris County, NJ	51-Information	7,251	7,588	7,925	8,137	8,135	8,128	8,215	8,515	8,793
34027-Morris County, NJ	52-Finance & Insurance	18,137	18,163	18,404	18,454	18,503	18,485	18,380	18,115	17,892
34027-Morris County, NJ	53-Real Estate, Rental & Leasing	6,407	5,597	5,618	5,565	5,448	5,322	5,147	4,872	4,597
34027-Morris County, NJ	54-Professional, Scientific & Technical	35,846	40,604	43,430	44,306	44,398	45,770	47,113	49,068	50,990
34027-Morris County, NJ	55-Management Of Companies & Enterprises	7,849	8,484	8,704	8,691	8,682	8,916	9,167	9,641	10,163
34027-Morris County, NJ	56-Administrative, Support, Waste Management	24,960	28,338	30,384	31,643	33,131	35,479	37,529	40,272	43,079
34027-Morris County, NJ	61-Educational Services	7,501	8,417	9,021	9,310	9,570	9,783	10,023	10,231	10,443
34027-Morris County, NJ	62-Health Care & Social Assistance	34,192	37,624	40,768	42,095	43,097	43,926	44,826	45,529	46,242
34027-Morris County, NJ	71-Arts, Entertainment & Recreation	4,575	5,468	5,699	5,748	5,838	5,952	6,075	6,171	6,245
34027-Morris County, NJ	72-Accommodation & Food Services	15,856	21,733	22,600	22,790	23,250	23,887	24,446	24,799	25,192
34027-Morris County, NJ	81-Other Services	15,277	18,348	18,461	18,193	18,314	18,810	19,112	19,138	19,103
34027-Morris County, NJ	92-Government	31,293	35,463	35,977	36,564	37,183	37,607	38,290	38,401	38,629
34029-Ocean County, NJ	11-Agriculture	650	798	891	938	953	943	956	942	926
34029-Ocean County, NJ	21-Mining	219	189	227	237	238	235	237	233	228
34029-Ocean County, NJ	22-Utilities	1,386	1,477	1,443	1,386	1,358	1,337	1,287	1,232	1,174

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
34029-Ocean County, NJ	23-Construction	9,379	13,041	14,897	15,922	16,239	16,475	17,135	17,361	17,513
34029-Ocean County, NJ	31-33-Manufacturing	5,006	4,481	4,414	4,264	4,126	4,000	3,860	3,748	3,631
34029-Ocean County, NJ	42-Wholesale Trade	6,710	4,719	4,859	4,999	5,187	5,439	5,645	5,870	6,107
34029-Ocean County, NJ	44-45-Retail Trade	28,858	26,066	26,452	26,610	27,182	28,575	29,823	30,950	32,145
34029-Ocean County, NJ	48-49-Transportation & Warehousing	3,172	3,922	4,038	4,099	4,240	4,567	4,871	5,132	5,401
34029-Ocean County, NJ	51-Information	2,127	2,454	2,597	2,721	2,755	2,788	2,852	3,020	3,181
34029-Ocean County, NJ	52-Finance & Insurance	5,119	4,519	4,649	4,773	4,979	5,224	5,454	5,659	5,873
34029-Ocean County, NJ	53-Real Estate, Rental & Leasing	3,439	3,052	3,105	3,153	3,224	3,317	3,395	3,432	3,474
34029-Ocean County, NJ	54-Professional, Scientific & Technical	10,144	14,093	14,955	15,156	14,829	14,653	14,465	14,480	14,433
34029-Ocean County, NJ	55-Management Of Companies & Enterprises	367	756	769	763	742	729	716	720	719
34029-Ocean County, NJ	56-Administrative, Support, Waste Management	8,563	11,643	12,407	12,833	13,044	13,358	13,666	14,377	15,134
34029-Ocean County, NJ	61-Educational Services	4,398	5,756	6,262	6,599	6,884	7,133	7,401	7,688	7,989
34029-Ocean County, NJ	62-Health Care & Social Assistance	32,046	35,031	38,423	40,180	41,457	42,667	43,959	45,330	46,761
34029-Ocean County, NJ	71-Arts, Entertainment & Recreation	6,462	5,199	5,481	5,665	5,923	6,286	6,687	7,101	7,503
34029-Ocean County, NJ	72-Accommodation & Food Services	13,449	14,704	15,500	16,010	16,846	18,042	19,284	20,499	21,743
34029-Ocean County, NJ	81-Other Services	9,817	10,349	10,429	10,341	10,465	10,924	11,411	11,854	12,294
34029-Ocean County, NJ	92-Government	30,101	28,838	29,659	30,715	31,667	32,791	33,986	35,050	36,172
34031-Passaic County, NJ	11-Agriculture	25	487	535	538	536	516	485	439	398
34031-Passaic County, NJ	21-Mining	25	300	327	324	318	300	287	262	235
34031-Passaic County, NJ	22-Utilities	983	818	841	873	929	956	937	902	865
34031-Passaic County, NJ	23-Construction	11,643	9,149	10,083	10,230	10,308	9,901	9,604	9,109	8,607
34031-Passaic County, NJ	31-33-Manufacturing	17,316	17,679	17,118	16,050	15,052	14,108	13,165	12,377	11,597
34031-Passaic County, NJ	42-Wholesale Trade	10,773	11,676	11,467	11,336	11,296	11,541	11,626	11,580	11,555
34031-Passaic County, NJ	44-45-Retail Trade	23,448	29,987	30,751	31,291	31,330	31,098	30,314	29,422	28,512
34031-Passaic County, NJ	48-49-Transportation & Warehousing	5,023	7,296	7,016	6,949	6,907	6,941	6,895	6,728	6,572
34031-Passaic County, NJ	51-Information	1,886	2,676	2,940	3,146	3,326	3,609	3,923	4,378	4,849
34031-Passaic County, NJ	52-Finance & Insurance	5,303	5,541	5,729	5,895	6,129	6,524	6,921	7,215	7,495
34031-Passaic County, NJ	53-Real Estate, Rental & Leasing	2,720	2,635	2,581	2,654	2,785	2,920	3,053	3,117	3,186
34031-Passaic County, NJ	54-Professional, Scientific & Technical	8,746	8,392	8,792	8,974	9,283	9,787	10,186	10,414	10,641
34031-Passaic County, NJ	55-Management Of Companies & Enterprises	4,823	4,164	4,410	4,602	4,812	5,140	5,469	5,911	6,372
34031-Passaic County, NJ	56-Administrative, Support, Waste Management	14,784	13,358	14,680	15,130	15,435	16,294	17,309	18,662	20,093
34031-Passaic County, NJ	61-Educational Services	4,330	4,738	5,318	6,004	6,496	6,821	7,219	7,628	8,100
34031-Passaic County, NJ	62-Health Care & Social Assistance	26,632	30,137	32,873	34,743	36,134	37,561	39,271	40,955	42,682
34031-Passaic County, NJ	71-Arts, Entertainment & Recreation	2,736	2,478	2,518	2,595	2,563	2,533	2,534	2,551	2,584
34031-Passaic County, NJ	72-Accommodation & Food Services	11,984	13,676	14,176	14,496	14,997	15,503	16,178	17,067	18,018
34031-Passaic County, NJ	81-Other Services	9,851	12,358	12,634	12,652	12,609	12,633	12,535	12,302	12,068
34031-Passaic County, NJ	92-Government	28,718	28,657	29,078	29,850	30,856	32,373	34,028	35,665	37,263
34035-Somerset County, NJ	11-Agriculture	16	1,872	2,027	2,101	2,100	2,040	2,055	1,989	1,895
34035-Somerset County, NJ	21-Mining	35	1,714	2,041	2,096	2,094	2,078	2,079	2,015	1,931
34035-Somerset County, NJ	22-Utilities	267	368	344	315	295	281	264	246	229
34035-Somerset County, NJ	23-Construction	7,590	7,187	8,035	8,500	8,498	8,494	8,683	8,458	8,140
34035-Somerset County, NJ	31-33-Manufacturing	18,316	18,362	18,009	17,401	16,967	16,675	16,358	16,003	15,622
34035-Somerset County, NJ	42-Wholesale Trade	10,135	14,088	14,298	14,594	15,018	15,640	16,111	16,465	16,828
34035-Somerset County, NJ	44-45-Retail Trade	21,110	18,400	18,419	18,254	18,591	19,392	19,919	20,033	20,122
34035-Somerset County, NJ	48-49-Transportation & Warehousing	4,794	3,990	3,995	4,017	4,099	4,323	4,491	4,552	4,602

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
34035-Somerset County, NJ	51-Information	8,366	9,480	9,801	10,095	10,127	10,103	10,215	10,569	10,878
34035-Somerset County, NJ	52-Finance & Insurance	14,332	15,299	15,651	15,971	16,656	17,393	18,070	18,541	19,047
34035-Somerset County, NJ	53-Real Estate, Rental & Leasing	2,862	3,901	3,995	4,022	4,079	4,171	4,237	4,216	4,185
34035-Somerset County, NJ	54-Professional, Scientific & Technical	18,037	20,566	22,202	22,661	22,193	22,041	21,962	22,230	22,384
34035-Somerset County, NJ	55-Management Of Companies & Enterprises	6,732	9,008	9,169	9,025	8,716	8,512	8,322	8,288	8,227
34035-Somerset County, NJ	56-Administrative, Support, Waste Management	10,201	14,475	15,429	16,150	16,769	17,433	17,956	18,810	19,691
34035-Somerset County, NJ	61-Educational Services	4,093	4,292	4,567	4,656	4,790	4,952	5,124	5,265	5,401
34035-Somerset County, NJ	62-Health Care & Social Assistance	21,636	23,156	25,249	26,220	27,115	28,061	29,016	29,769	30,518
34035-Somerset County, NJ	71-Arts, Entertainment & Recreation	2,729	2,657	2,780	2,833	2,981	3,132	3,260	3,355	3,447
34035-Somerset County, NJ	72-Accommodation & Food Services	10,457	11,071	11,475	11,640	12,042	12,605	13,150	13,482	13,809
34035-Somerset County, NJ	81-Other Services	7,996	8,123	8,097	7,927	8,021	8,380	8,702	8,876	9,015
34035-Somerset County, NJ	92-Government	19,188	20,115	20,706	21,410	22,106	22,886	23,630	24,041	24,443
34037-Sussex County, NJ	11-Agriculture	431	709	767	767	743	700	658	603	551
34037-Sussex County, NJ	21-Mining	85	488	684	705	767	816	873	899	916
34037-Sussex County, NJ	22-Utilities	207	242	244	242	242	236	220	200	180
34037-Sussex County, NJ	23-Construction	3,158	3,793	4,068	4,075	3,954	3,763	3,678	3,557	3,438
34037-Sussex County, NJ	31-33-Manufacturing	1,868	1,728	1,636	1,513	1,410	1,308	1,206	1,115	1,024
34037-Sussex County, NJ	42-Wholesale Trade	1,799	1,597	1,522	1,490	1,449	1,407	1,339	1,263	1,185
34037-Sussex County, NJ	44-45-Retail Trade	5,837	6,111	6,036	6,014	5,978	5,954	5,850	5,751	5,670
34037-Sussex County, NJ	48-49-Transportation & Warehousing	895	1,144	1,122	1,070	1,066	1,100	1,134	1,165	1,202
34037-Sussex County, NJ	51-Information	488	773	811	842	850	867	892	947	1,005
34037-Sussex County, NJ	52-Finance & Insurance	1,988	1,970	2,001	1,997	2,000	2,026	2,047	2,043	2,038
34037-Sussex County, NJ	53-Real Estate, Rental & Leasing	790	710	695	693	694	694	687	664	640
34037-Sussex County, NJ	54-Professional, Scientific & Technical	3,318	3,171	3,337	3,410	3,505	3,688	3,841	3,971	4,096
34037-Sussex County, NJ	55-Management Of Companies & Enterprises	1,312	1,430	1,479	1,522	1,577	1,674	1,773	1,912	2,061
34037-Sussex County, NJ	56-Administrative, Support, Waste Management	2,212	2,408	2,589	2,678	2,772	2,955	3,144	3,394	3,656
34037-Sussex County, NJ	61-Educational Services	791	741	801	865	906	927	955	983	1,016
34037-Sussex County, NJ	62-Health Care & Social Assistance	7,097	8,209	8,736	9,040	9,211	9,350	9,539	9,723	9,918
34037-Sussex County, NJ	71-Arts, Entertainment & Recreation	1,944	1,530	1,552	1,578	1,564	1,554	1,558	1,570	1,590
34037-Sussex County, NJ	72-Accommodation & Food Services	4,069	3,927	4,018	4,062	4,150	4,269	4,425	4,624	4,842
34037-Sussex County, NJ	81-Other Services	2,493	2,463	2,455	2,436	2,436	2,476	2,498	2,502	2,510
34037-Sussex County, NJ	92-Government	7,508	7,039	7,024	7,211	7,355	7,567	7,786	8,015	8,241
34039-Union County, NJ	11-Agriculture	352	122	136	140	141	137	135	129	123
34039-Union County, NJ	21-Mining	14	30	43	46	52	58	64	67	69
34039-Union County, NJ	22-Utilities	1,169	1,270	1,301	1,273	1,257	1,213	1,124	1,021	915
34039-Union County, NJ	23-Construction	12,050	13,003	14,415	14,768	14,876	14,819	15,068	14,999	14,882
34039-Union County, NJ	31-33-Manufacturing	24,425	20,759	20,533	19,647	19,006	18,373	17,725	17,180	16,649
34039-Union County, NJ	42-Wholesale Trade	13,634	16,620	16,093	15,625	14,998	14,188	13,083	11,877	10,621
34039-Union County, NJ	44-45-Retail Trade	27,186	32,248	32,691	32,490	32,564	32,958	33,103	33,280	33,647
34039-Union County, NJ	48-49-Transportation & Warehousing	12,071	16,193	16,392	15,980	16,144	16,950	17,724	18,372	19,112
34039-Union County, NJ	51-Information	4,985	2,618	2,794	2,907	2,961	3,034	3,131	3,313	3,498
34039-Union County, NJ	52-Finance & Insurance	8,461	7,538	7,839	7,923	8,043	8,203	8,335	8,397	8,456
34039-Union County, NJ	53-Real Estate, Rental & Leasing	3,398	3,010	3,047	3,057	3,068	3,072	3,060	2,999	2,941
34039-Union County, NJ	54-Professional, Scientific & Technical	15,917	15,158	16,196	16,560	17,000	17,905	18,732	19,545	20,350
34039-Union County, NJ	55-Management Of Companies & Enterprises	4,500	4,159	4,331	4,410	4,542	4,808	5,089	5,487	5,924

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
34039-Union County, NJ	56-Administrative, Support, Waste Management	16,177	20,165	21,887	22,733	23,843	25,704	27,498	29,734	32,036
34039-Union County, NJ	61-Educational Services	2,994	3,811	4,177	4,449	4,659	4,811	4,992	5,164	5,357
34039-Union County, NJ	62-Health Care & Social Assistance	32,215	36,493	39,774	41,134	42,171	43,195	44,376	45,422	46,486
34039-Union County, NJ	71-Arts, Entertainment & Recreation	3,475	3,011	3,128	3,173	3,190	3,241	3,322	3,412	3,513
34039-Union County, NJ	72-Accommodation & Food Services	15,636	16,645	17,398	17,615	18,146	18,944	19,834	20,747	21,730
34039-Union County, NJ	81-Other Services	16,722	15,622	15,906	15,788	15,976	16,646	17,261	17,711	18,151
34039-Union County, NJ	92-Government	35,289	37,469	38,294	39,179	39,999	41,128	42,376	43,382	44,375
34041-Warren County, NJ	11-Agriculture	733	745	800	820	819	791	787	761	733
34041-Warren County, NJ	21-Mining	259	132	137	130	116	103	96	88	80
34041-Warren County, NJ	22-Utilities	177	93	91	84	78	71	64	56	47
34041-Warren County, NJ	23-Construction	1,738	2,087	2,310	2,431	2,450	2,384	2,364	2,285	2,198
34041-Warren County, NJ	31-33-Manufacturing	4,661	2,388	2,349	2,253	2,179	2,113	2,044	1,977	1,909
34041-Warren County, NJ	42-Wholesale Trade	920	1,780	1,835	1,887	1,919	1,888	1,829	1,772	1,710
34041-Warren County, NJ	44-45-Retail Trade	6,121	5,514	5,682	5,794	5,967	6,107	6,197	6,248	6,303
34041-Warren County, NJ	48-49-Transportation & Warehousing	1,141	659	664	661	656	664	665	656	645
34041-Warren County, NJ	51-Information	628	803	803	782	767	777	818	887	950
34041-Warren County, NJ	52-Finance & Insurance	825	982	983	994	1,019	1,050	1,082	1,111	1,142
34041-Warren County, NJ	53-Real Estate, Rental & Leasing	327	300	297	297	296	299	301	299	297
34041-Warren County, NJ	54-Professional, Scientific & Technical	2,095	2,328	2,389	2,397	2,388	2,457	2,536	2,574	2,612
34041-Warren County, NJ	55-Management Of Companies & Enterprises	131	332	325	316	312	317	325	329	334
34041-Warren County, NJ	56-Administrative, Support, Waste Management	1,891	2,845	2,915	2,984	3,118	3,348	3,562	3,732	3,905
34041-Warren County, NJ	61-Educational Services	954	1,052	1,116	1,145	1,184	1,223	1,278	1,336	1,395
34041-Warren County, NJ	62-Health Care & Social Assistance	5,373	6,053	6,547	6,774	6,999	7,211	7,495	7,785	8,083
34041-Warren County, NJ	71-Arts, Entertainment & Recreation	889	834	841	829	823	818	811	803	794
34041-Warren County, NJ	72-Accommodation & Food Services	2,539	3,483	3,532	3,492	3,490	3,508	3,507	3,478	3,459
34041-Warren County, NJ	81-Other Services	2,094	2,074	2,122	2,134	2,177	2,208	2,231	2,245	2,257
34041-Warren County, NJ	92-Government	5,935	5,313	5,344	5,408	5,426	5,399	5,394	5,368	5,350
36005-Bronx County, NY	11-Agriculture	260	249	243	242	243	237	228	219	210
36005-Bronx County, NY	21-Mining	32	31	26	24	23	21	20	19	18
36005-Bronx County, NY	22-Utilities	2,086	2,160	2,044	1,905	1,803	1,722	1,628	1,548	1,466
36005-Bronx County, NY	23-Construction	16,564	19,608	19,736	20,051	20,084	19,858	19,535	19,256	18,915
36005-Bronx County, NY	31-33-Manufacturing	7,305	9,350	8,701	8,116	7,520	7,003	6,500	6,005	5,501
36005-Bronx County, NY	42-Wholesale Trade	17,201	15,393	15,069	14,889	14,540	14,596	14,654	14,887	15,132
36005-Bronx County, NY	44-45-Retail Trade	37,895	40,001	40,323	39,554	37,955	35,832	33,453	31,145	28,685
36005-Bronx County, NY	48-49-Transportation & Warehousing	14,485	12,488	11,747	11,645	11,151	10,618	9,984	9,296	8,564
36005-Bronx County, NY	51-Information	4,473	6,447	6,725	6,990	7,133	7,456	7,847	8,319	8,772
36005-Bronx County, NY	52-Finance & Insurance	4,534	5,257	5,318	5,419	5,491	5,589	5,678	5,853	6,029
36005-Bronx County, NY	53-Real Estate, Rental & Leasing	10,241	11,496	11,505	11,547	11,395	11,321	11,208	11,175	11,136
36005-Bronx County, NY	54-Professional, Scientific & Technical	7,524	9,197	9,419	9,562	9,509	9,601	9,741	9,968	10,179
36005-Bronx County, NY	55-Management Of Companies & Enterprises	2,055	2,465	2,412	2,403	2,381	2,393	2,422	2,497	2,578
36005-Bronx County, NY	56-Administrative, Support, Waste Management	12,621	14,423	14,750	15,379	16,008	16,821	17,600	18,643	19,704
36005-Bronx County, NY	61-Educational Services	19,097	23,978	25,400	26,473	27,617	28,999	30,463	32,059	33,693
36005-Bronx County, NY	62-Health Care & Social Assistance	85,460	103,222	111,147	115,986	120,422	125,930	131,487	137,270	143,054
36005-Bronx County, NY	71-Arts, Entertainment & Recreation	6,154	6,688	6,849	6,966	7,066	7,168	7,216	7,267	7,294
36005-Bronx County, NY	72-Accommodation & Food Services	20,943	24,686	25,313	25,775	26,250	26,892	27,263	27,557	27,895

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
36005-Bronx County, NY	81-Other Services	25,591	25,965	26,383	26,136	25,821	25,488	25,016	24,467	23,894
36005-Bronx County, NY	92-Government	86,396	81,551	82,330	83,376	86,142	87,258	90,201	91,131	92,872
36027-Dutchess County, NY	11-Agriculture	661	1,262	1,279	1,270	1,277	1,261	1,236	1,212	1,191
36027-Dutchess County, NY	21-Mining	141	278	335	429	470	424	399	376	358
36027-Dutchess County, NY	22-Utilities	387	386	382	377	380	383	379	374	369
36027-Dutchess County, NY	23-Construction	6,157	5,171	5,260	5,414	5,634	5,702	5,810	5,972	6,158
36027-Dutchess County, NY	31-33-Manufacturing	8,402	7,672	7,543	7,270	7,011	6,815	6,631	6,444	6,257
36027-Dutchess County, NY	42-Wholesale Trade	2,727	2,479	2,562	2,592	2,605	2,634	2,663	2,704	2,752
36027-Dutchess County, NY	44-45-Retail Trade	13,195	15,607	15,734	15,671	15,394	15,174	14,901	14,679	14,465
36027-Dutchess County, NY	48-49-Transportation & Warehousing	1,866	1,457	1,398	1,391	1,385	1,405	1,420	1,431	1,445
36027-Dutchess County, NY	51-Information	2,188	1,964	2,077	2,168	2,229	2,363	2,525	2,689	2,856
36027-Dutchess County, NY	52-Finance & Insurance	3,078	2,957	3,108	3,231	3,361	3,544	3,731	3,934	4,133
36027-Dutchess County, NY	53-Real Estate, Rental & Leasing	1,862	2,147	2,207	2,281	2,349	2,437	2,536	2,642	2,761
36027-Dutchess County, NY	54-Professional, Scientific & Technical	7,075	6,732	7,051	7,400	7,718	7,984	8,252	8,459	8,646
36027-Dutchess County, NY	55-Management Of Companies & Enterprises	1,172	1,196	1,218	1,273	1,334	1,387	1,446	1,521	1,596
36027-Dutchess County, NY	56-Administrative, Support, Waste Management	6,707	7,558	8,022	8,571	9,152	9,714	10,326	11,057	11,816
36027-Dutchess County, NY	61-Educational Services	9,107	10,464	11,400	12,351	13,239	14,132	15,122	16,138	17,241
36027-Dutchess County, NY	62-Health Care & Social Assistance	17,739	19,124	20,757	21,854	22,937	24,249	25,655	27,041	28,453
36027-Dutchess County, NY	71-Arts, Entertainment & Recreation	2,649	3,064	3,121	3,163	3,138	3,127	3,116	3,100	3,088
36027-Dutchess County, NY	72-Accommodation & Food Services	8,034	10,636	10,920	11,071	11,272	11,575	11,853	12,117	12,421
36027-Dutchess County, NY	81-Other Services	6,711	7,065	7,170	7,121	7,088	7,112	7,110	7,047	6,987
36027-Dutchess County, NY	92-Government	21,541	18,594	18,586	18,808	18,911	19,065	19,279	19,532	19,829
36047-Kings County, NY	11-Agriculture	600	452	435	426	422	404	384	364	341
36047-Kings County, NY	21-Mining	79	39	33	31	28	26	25	23	22
36047-Kings County, NY	22-Utilities	4,927	5,486	5,198	4,850	4,603	4,404	4,177	3,981	3,784
36047-Kings County, NY	23-Construction	48,747	55,732	55,544	55,743	55,458	54,498	53,414	52,376	51,119
36047-Kings County, NY	31-33-Manufacturing	27,660	27,237	25,626	24,018	22,452	21,109	19,824	18,525	17,211
36047-Kings County, NY	42-Wholesale Trade	30,524	35,132	34,463	34,021	33,270	33,403	33,604	34,170	34,786
36047-Kings County, NY	44-45-Retail Trade	76,609	91,356	92,163	90,318	86,907	82,420	77,488	72,663	67,601
36047-Kings County, NY	48-49-Transportation & Warehousing	29,187	28,700	27,077	26,952	25,911	24,759	23,370	21,811	20,167
36047-Kings County, NY	51-Information	15,892	18,245	18,990	19,669	20,056	20,957	22,049	23,304	24,529
36047-Kings County, NY	52-Finance & Insurance	18,348	19,151	19,326	19,535	19,649	19,861	20,062	20,526	21,001
36047-Kings County, NY	53-Real Estate, Rental & Leasing	18,422	22,097	22,056	21,967	21,533	21,242	20,895	20,648	20,396
36047-Kings County, NY	54-Professional, Scientific & Technical	32,071	44,907	46,147	46,982	46,913	47,564	48,487	49,774	51,014
36047-Kings County, NY	55-Management Of Companies & Enterprises	4,366	5,288	5,196	5,183	5,157	5,206	5,297	5,482	5,690
36047-Kings County, NY	56-Administrative, Support, Waste Management	36,084	46,929	48,156	50,275	52,602	55,532	58,314	61,824	65,397
36047-Kings County, NY	61-Educational Services	34,640	41,068	43,557	45,365	47,438	49,956	52,650	55,461	58,363
36047-Kings County, NY	62-Health Care & Social Assistance	171,025	184,943	199,259	207,685	215,987	226,338	236,864	247,366	257,907
36047-Kings County, NY	71-Arts, Entertainment & Recreation	11,631	16,460	16,854	17,115	17,379	17,672	17,856	18,034	18,162
36047-Kings County, NY	72-Accommodation & Food Services	44,525	60,488	62,066	63,128	64,411	66,158	67,237	67,962	68,820
36047-Kings County, NY	81-Other Services	56,045	61,735	62,800	62,202	61,624	61,104	60,310	59,244	58,136
36047-Kings County, NY	92-Government	162,355	159,170	160,862	163,594	168,044	171,022	176,115	178,900	182,589
36059-Nassau County, NY	11-Agriculture	1,080	268	276	278	286	291	293	297	301
36059-Nassau County, NY	21-Mining	31	5	5	5	5	5	5	5	5
36059-Nassau County, NY	22-Utilities	2,054	2,116	2,077	1,993	1,979	1,978	1,939	1,899	1,861

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
36059-Nassau County, NY	23-Construction	24,645	30,245	31,997	33,127	34,925	36,739	38,809	41,318	44,025
36059-Nassau County, NY	31-33-Manufacturing	21,839	21,099	19,849	18,595	17,716	16,947	16,214	15,510	14,810
36059-Nassau County, NY	42-Wholesale Trade	25,667	29,586	29,135	28,046	26,993	26,203	25,311	24,545	23,775
36059-Nassau County, NY	44-45-Retail Trade	65,482	73,595	73,064	70,514	66,337	61,903	57,147	52,461	47,534
36059-Nassau County, NY	48-49-Transportation & Warehousing	14,102	15,279	15,100	14,667	14,411	14,210	13,869	13,499	13,131
36059-Nassau County, NY	51-Information	13,010	15,407	16,788	17,818	18,703	19,850	21,083	22,391	23,718
36059-Nassau County, NY	52-Finance & Insurance	32,768	29,619	29,924	29,609	29,177	29,143	29,199	29,486	29,765
36059-Nassau County, NY	53-Real Estate, Rental & Leasing	12,196	10,962	10,805	10,631	10,375	10,187	9,999	9,795	9,581
36059-Nassau County, NY	54-Professional, Scientific & Technical	42,845	48,923	49,736	50,434	51,394	52,541	53,582	54,169	54,717
36059-Nassau County, NY	55-Management Of Companies & Enterprises	6,359	6,357	6,282	6,348	6,493	6,667	6,863	7,140	7,438
36059-Nassau County, NY	56-Administrative, Support, Waste Management	30,285	34,379	35,451	36,634	38,218	40,055	41,914	44,141	46,443
36059-Nassau County, NY	61-Educational Services	24,909	26,658	28,924	30,920	32,883	34,832	36,971	39,166	41,546
36059-Nassau County, NY	62-Health Care & Social Assistance	107,758	112,170	121,349	126,126	131,487	138,165	145,134	151,930	158,741
36059-Nassau County, NY	71-Arts, Entertainment & Recreation	11,210	13,204	13,380	13,486	13,402	13,407	13,388	13,357	13,354
36059-Nassau County, NY	72-Accommodation & Food Services	33,982	46,061	47,018	47,293	48,062	49,351	50,488	51,598	52,855
36059-Nassau County, NY	81-Other Services	42,072	40,027	40,862	40,593	40,371	40,354	40,209	39,759	39,300
36059-Nassau County, NY	92-Government	78,707	71,676	71,829	72,884	73,919	75,264	76,860	78,481	80,203
36061-New York County, NY	11-Agriculture	1,627	1,650	1,766	1,899	2,076	2,201	2,319	2,426	2,538
36061-New York County, NY	21-Mining	258	223	208	210	219	230	244	261	281
36061-New York County, NY	22-Utilities	8,860	8,786	8,296	7,668	7,253	6,876	6,446	6,032	5,611
36061-New York County, NY	23-Construction	80,682	84,406	93,098	102,106	110,827	118,495	126,680	135,174	144,280
36061-New York County, NY	31-33-Manufacturing	62,462	63,252	59,423	55,218	51,405	47,771	44,177	40,406	36,581
36061-New York County, NY	42-Wholesale Trade	78,127	80,125	78,263	76,680	74,771	74,563	74,409	74,670	75,003
36061-New York County, NY	44-45-Retail Trade	180,714	207,293	208,569	202,678	194,302	182,147	168,547	154,213	139,065
36061-New York County, NY	48-49-Transportation & Warehousing	48,258	40,015	37,531	36,966	35,342	33,372	31,066	28,406	25,606
36061-New York County, NY	51-Information	143,502	151,396	157,392	161,834	164,869	171,078	178,990	187,635	196,060
36061-New York County, NY	52-Finance & Insurance	266,030	272,548	271,924	269,494	266,685	263,211	259,865	259,336	259,373
36061-New York County, NY	53-Real Estate, Rental & Leasing	82,418	83,864	82,705	80,782	77,807	74,809	71,420	67,925	64,240
36061-New York County, NY	54-Professional, Scientific & Technical	345,298	401,016	415,938	423,534	425,776	432,084	440,876	451,223	461,210
36061-New York County, NY	55-Management Of Companies & Enterprises	59,032	62,903	62,383	62,240	62,334	62,980	64,123	66,146	68,420
36061-New York County, NY	56-Administrative, Support, Waste Management	156,136	167,172	173,170	180,815	190,459	201,269	211,627	223,802	236,239
36061-New York County, NY	61-Educational Services	122,623	142,910	151,766	157,314	164,617	172,247	180,371	188,131	196,142
36061-New York County, NY	62-Health Care & Social Assistance	233,890	252,849	272,931	283,262	295,083	307,527	320,123	331,405	342,843
36061-New York County, NY	71-Arts, Entertainment & Recreation	73,008	72,146	73,817	74,412	75,495	76,161	76,193	75,802	75,198
36061-New York County, NY	72-Accommodation & Food Services	184,927	205,253	210,202	212,239	216,112	220,147	222,011	222,053	222,641
36061-New York County, NY	81-Other Services	127,425	136,595	138,416	135,801	133,954	131,237	127,771	123,193	118,546
36061-New York County, NY	92-Government	234,217	212,161	213,964	217,296	220,658	223,240	225,891	228,357	231,073
36071-Orange County, NY	11-Agriculture	2,033	1,404	1,436	1,442	1,463	1,456	1,437	1,421	1,408
36071-Orange County, NY	21-Mining	113	86	105	136	151	138	132	125	121
36071-Orange County, NY	22-Utilities	421	463	467	466	475	485	486	487	487
36071-Orange County, NY	23-Construction	6,974	7,072	7,276	7,579	7,986	8,178	8,414	8,739	9,091
36071-Orange County, NY	31-33-Manufacturing	7,023	7,247	6,985	6,652	6,293	6,004	5,742	5,504	5,271
36071-Orange County, NY	42-Wholesale Trade	8,379	6,823	7,153	7,340	7,485	7,672	7,853	8,088	8,343
36071-Orange County, NY	44-45-Retail Trade	19,213	19,318	19,755	19,974	19,898	19,866	19,753	19,758	19,775
36071-Orange County, NY	48-49-Transportation & Warehousing	4,294	5,394	5,259	5,295	5,340	5,481	5,605	5,727	5,860

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
36071-Orange County, NY	51-Information	3,294	3,593	3,810	3,992	4,109	4,356	4,647	4,951	5,257
36071-Orange County, NY	52-Finance & Insurance	4,724	4,211	4,452	4,660	4,879	5,175	5,470	5,793	6,107
36071-Orange County, NY	53-Real Estate, Rental & Leasing	2,174	2,296	2,374	2,471	2,561	2,673	2,796	2,931	3,083
36071-Orange County, NY	54-Professional, Scientific & Technical	6,772	7,352	7,767	8,235	8,663	9,022	9,372	9,670	9,938
36071-Orange County, NY	55-Management Of Companies & Enterprises	707	965	991	1,047	1,107	1,159	1,214	1,288	1,361
36071-Orange County, NY	56-Administrative, Support, Waste Management	6,142	7,726	8,274	8,930	9,618	10,274	10,967	11,805	12,662
36071-Orange County, NY	61-Educational Services	3,337	4,066	4,445	4,841	5,216	5,597	6,013	6,452	6,923
36071-Orange County, NY	62-Health Care & Social Assistance	23,067	23,128	25,192	26,670	28,137	29,905	31,756	33,638	35,524
36071-Orange County, NY	71-Arts, Entertainment & Recreation	2,422	2,854	2,939	3,011	3,017	3,032	3,042	3,054	3,068
36071-Orange County, NY	72-Accommodation & Food Services	10,346	10,547	10,943	11,215	11,527	11,931	12,295	12,672	13,080
36071-Orange County, NY	81-Other Services	6,112	12,699	13,026	13,094	13,183	13,361	13,476	13,501	13,522
36071-Orange County, NY	92-Government	33,434	27,369	27,882	28,823	29,829	30,607	31,790	32,703	33,812
36079-Putnam County, NY	11-Agriculture	165	326	314	291	270	247	226	206	186
36079-Putnam County, NY	21-Mining	28	61	51	44	37	31	27	23	20
36079-Putnam County, NY	22-Utilities	105	166	161	155	153	148	140	132	123
36079-Putnam County, NY	23-Construction	2,041	2,552	2,506	2,421	2,316	2,197	2,122	2,068	2,012
36079-Putnam County, NY	31-33-Manufacturing	1,675	1,464	1,409	1,332	1,246	1,164	1,085	1,005	924
36079-Putnam County, NY	42-Wholesale Trade	862	1,035	1,005	977	951	951	950	956	964
36079-Putnam County, NY	44-45-Retail Trade	3,019	3,003	3,012	2,960	2,848	2,694	2,519	2,357	2,187
36079-Putnam County, NY	48-49-Transportation & Warehousing	516	720	677	663	637	610	580	548	516
36079-Putnam County, NY	51-Information	560	375	393	404	412	429	447	467	487
36079-Putnam County, NY	52-Finance & Insurance	1,126	874	883	884	881	883	884	894	903
36079-Putnam County, NY	53-Real Estate, Rental & Leasing	518	300	295	293	289	284	277	270	262
36079-Putnam County, NY	54-Professional, Scientific & Technical	1,776	2,557	2,604	2,647	2,693	2,744	2,791	2,805	2,816
36079-Putnam County, NY	55-Management Of Companies & Enterprises	24	133	132	134	137	141	145	150	156
36079-Putnam County, NY	56-Administrative, Support, Waste Management	1,388	1,472	1,526	1,578	1,637	1,706	1,782	1,872	1,965
36079-Putnam County, NY	61-Educational Services	1,084	1,397	1,500	1,606	1,691	1,759	1,834	1,909	1,992
36079-Putnam County, NY	62-Health Care & Social Assistance	4,571	5,191	5,534	5,727	5,889	6,066	6,252	6,435	6,618
36079-Putnam County, NY	71-Arts, Entertainment & Recreation	696	629	637	646	642	637	631	624	620
36079-Putnam County, NY	72-Accommodation & Food Services	1,318	1,234	1,259	1,274	1,300	1,330	1,354	1,381	1,411
36079-Putnam County, NY	81-Other Services	2,162	1,847	1,870	1,850	1,823	1,789	1,747	1,691	1,635
36079-Putnam County, NY	92-Government	4,822	4,915	4,919	5,010	5,086	5,183	5,279	5,402	5,525
36081-Queens County, NY	11-Agriculture	747	5,541	5,054	4,613	4,195	3,740	3,350	3,002	2,635
36081-Queens County, NY	21-Mining	81	0	0	0	0	0	0	0	0
36081-Queens County, NY	22-Utilities	2,124	1,867	1,776	1,645	1,555	1,490	1,413	1,347	1,282
36081-Queens County, NY	23-Construction	47,893	39,541	37,331	35,034	32,412	30,046	28,277	26,839	25,171
36081-Queens County, NY	31-33-Manufacturing	27,269	24,451	23,306	21,963	20,597	19,451	18,304	17,150	15,975
36081-Queens County, NY	42-Wholesale Trade	30,346	31,717	31,159	30,715	29,898	29,939	29,964	30,317	30,696
36081-Queens County, NY	44-45-Retail Trade	68,160	71,928	72,685	71,191	68,231	64,593	60,485	56,525	52,385
36081-Queens County, NY	48-49-Transportation & Warehousing	60,100	55,902	52,964	52,279	50,082	47,992	45,377	42,446	39,352
36081-Queens County, NY	51-Information	12,373	12,468	12,965	13,360	13,492	13,992	14,573	15,255	15,921
36081-Queens County, NY	52-Finance & Insurance	19,177	20,518	20,720	20,894	20,896	21,033	21,105	21,463	21,820
36081-Queens County, NY	53-Real Estate, Rental & Leasing	17,135	18,193	18,170	18,056	17,600	17,287	16,885	16,570	16,243
36081-Queens County, NY	54-Professional, Scientific & Technical	19,593	23,478	24,006	24,287	24,037	24,194	24,425	24,840	25,224
36081-Queens County, NY	55-Management Of Companies & Enterprises	2,198	3,075	3,006	2,980	2,938	2,945	2,966	3,040	3,123

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
36081-Queens County, NY	56-Administrative, Support, Waste Management	33,569	46,413	47,388	49,172	50,990	53,444	55,609	58,457	61,334
36081-Queens County, NY	61-Educational Services	21,331	26,839	28,535	29,701	30,969	32,576	34,207	35,904	37,633
36081-Queens County, NY	62-Health Care & Social Assistance	112,933	140,580	151,819	158,150	163,907	171,504	178,713	185,861	192,899
36081-Queens County, NY	71-Arts, Entertainment & Recreation	9,300	11,167	11,448	11,609	11,729	11,888	11,940	11,993	12,016
36081-Queens County, NY	72-Accommodation & Food Services	50,344	56,918	58,456	59,359	60,305	61,799	62,501	62,880	63,357
36081-Queens County, NY	81-Other Services	52,313	52,455	53,504	52,987	52,344	51,859	51,014	49,952	48,823
36081-Queens County, NY	92-Government	122,109	128,826	130,397	130,820	136,343	137,890	143,741	143,894	145,866
36085-Richmond County, NY	11-Agriculture	39	26	24	23	22	20	18	16	15
36085-Richmond County, NY	21-Mining	4	4	3	3	2	2	2	2	1
36085-Richmond County, NY	22-Utilities	609	650	612	573	545	521	494	469	443
36085-Richmond County, NY	23-Construction	6,603	10,788	10,270	9,885	9,307	8,651	8,080	7,574	7,011
36085-Richmond County, NY	31-33-Manufacturing	2,450	1,880	1,750	1,637	1,527	1,428	1,331	1,232	1,132
36085-Richmond County, NY	42-Wholesale Trade	1,920	1,581	1,537	1,522	1,492	1,503	1,514	1,537	1,562
36085-Richmond County, NY	44-45-Retail Trade	16,193	16,947	16,985	16,739	16,120	15,228	14,220	13,205	12,128
36085-Richmond County, NY	48-49-Transportation & Warehousing	4,614	4,436	4,145	4,118	3,956	3,773	3,557	3,313	3,054
36085-Richmond County, NY	51-Information	2,400	2,388	2,472	2,573	2,626	2,737	2,874	3,033	3,186
36085-Richmond County, NY	52-Finance & Insurance	3,791	3,594	3,589	3,625	3,637	3,654	3,670	3,734	3,805
36085-Richmond County, NY	53-Real Estate, Rental & Leasing	2,089	2,130	2,100	2,090	2,042	2,000	1,947	1,898	1,846
36085-Richmond County, NY	54-Professional, Scientific & Technical	5,067	5,413	5,540	5,661	5,681	5,773	5,895	6,050	6,198
36085-Richmond County, NY	55-Management Of Companies & Enterprises	879	1,057	1,034	1,039	1,039	1,050	1,070	1,107	1,147
36085-Richmond County, NY	56-Administrative, Support, Waste Management	3,815	6,060	6,196	6,512	6,828	7,215	7,594	8,069	8,555
36085-Richmond County, NY	61-Educational Services	4,665	5,333	5,614	5,879	6,159	6,478	6,819	7,173	7,538
36085-Richmond County, NY	62-Health Care & Social Assistance	27,486	31,460	33,642	35,203	36,631	38,329	40,081	41,819	43,581
36085-Richmond County, NY	71-Arts, Entertainment & Recreation	1,801	2,314	2,354	2,402	2,440	2,468	2,477	2,482	2,482
36085-Richmond County, NY	72-Accommodation & Food Services	7,315	11,847	12,057	12,304	12,556	12,852	13,029	13,145	13,288
36085-Richmond County, NY	81-Other Services	7,167	11,369	11,487	11,426	11,328	11,195	11,001	10,746	10,489
36085-Richmond County, NY	92-Government	27,490	27,787	27,899	28,526	29,327	29,901	30,744	31,283	31,968
36087-Rockland County, NY	11-Agriculture	317	223	234	242	255	263	270	277	285
36087-Rockland County, NY	21-Mining	45	28	26	26	26	27	28	29	31
36087-Rockland County, NY	22-Utilities	920	1,041	1,018	993	986	971	936	901	866
36087-Rockland County, NY	23-Construction	5,421	5,567	5,955	6,346	6,795	7,174	7,598	8,102	8,645
36087-Rockland County, NY	31-33-Manufacturing	8,264	7,088	6,827	6,481	6,121	5,777	5,439	5,104	4,767
36087-Rockland County, NY	42-Wholesale Trade	3,288	4,002	3,986	3,974	3,958	4,053	4,148	4,276	4,416
36087-Rockland County, NY	44-45-Retail Trade	13,150	14,151	14,551	14,568	14,315	13,806	13,183	12,610	12,013
36087-Rockland County, NY	48-49-Transportation & Warehousing	2,212	2,952	2,833	2,850	2,791	2,707	2,604	2,490	2,371
36087-Rockland County, NY	51-Information	2,378	2,536	2,690	2,804	2,900	3,063	3,244	3,438	3,637
36087-Rockland County, NY	52-Finance & Insurance	3,066	3,150	3,261	3,340	3,425	3,521	3,613	3,735	3,857
36087-Rockland County, NY	53-Real Estate, Rental & Leasing	1,792	2,541	2,571	2,607	2,629	2,641	2,646	2,652	2,658
36087-Rockland County, NY	54-Professional, Scientific & Technical	8,485	8,783	9,213	9,544	9,864	10,253	10,661	11,006	11,339
36087-Rockland County, NY	55-Management Of Companies & Enterprises	1,027	1,093	1,108	1,139	1,180	1,230	1,288	1,364	1,447
36087-Rockland County, NY	56-Administrative, Support, Waste Management	6,396	7,110	7,538	7,975	8,488	9,080	9,687	10,376	11,080
36087-Rockland County, NY	61-Educational Services	4,482	5,579	6,094	6,576	7,052	7,513	8,010	8,519	9,065
36087-Rockland County, NY	62-Health Care & Social Assistance	19,069	22,527	24,650	26,053	27,473	29,029	30,617	32,166	33,720
36087-Rockland County, NY	71-Arts, Entertainment & Recreation	1,511	2,092	2,175	2,247	2,298	2,341	2,374	2,404	2,435
36087-Rockland County, NY	72-Accommodation & Food Services	5,866	8,863	9,266	9,557	9,945	10,354	10,698	11,022	11,374

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
36087-Rockland County, NY	81-Other Services	7,945	9,300	9,657	9,734	9,816	9,851	9,830	9,737	9,643
36087-Rockland County, NY	92-Government	20,979	17,012	17,506	18,208	18,926	19,702	20,461	21,272	22,080
36103-Suffolk County, NY	11-Agriculture	1,905	1,500	1,520	1,508	1,514	1,491	1,456	1,421	1,389
36103-Suffolk County, NY	21-Mining	110	103	95	88	83	79	78	77	77
36103-Suffolk County, NY	22-Utilities	3,231	1,415	1,406	1,371	1,377	1,390	1,374	1,356	1,339
36103-Suffolk County, NY	23-Construction	37,160	45,986	48,195	49,412	51,137	52,705	54,542	56,756	59,058
36103-Suffolk County, NY	31-33-Manufacturing	46,109	49,738	48,374	46,584	45,040	43,595	42,174	40,784	39,373
36103-Suffolk County, NY	42-Wholesale Trade	38,022	35,741	35,673	34,948	34,122	33,548	32,810	32,248	31,677
36103-Suffolk County, NY	44-45-Retail Trade	80,044	77,361	77,925	76,684	73,275	69,303	64,871	60,509	55,847
36103-Suffolk County, NY	48-49-Transportation & Warehousing	15,800	14,582	14,588	14,383	14,291	14,239	14,055	13,847	13,638
36103-Suffolk County, NY	51-Information	13,047	13,577	14,970	16,120	17,075	18,240	19,477	20,782	22,095
36103-Suffolk County, NY	52-Finance & Insurance	25,600	26,450	27,122	27,356	27,359	27,634	27,965	28,540	29,108
36103-Suffolk County, NY	53-Real Estate, Rental & Leasing	9,966	10,188	10,188	10,218	10,121	10,052	9,969	9,875	9,766
36103-Suffolk County, NY	54-Professional, Scientific & Technical	39,973	44,882	46,267	47,800	49,334	50,921	52,385	53,410	54,351
36103-Suffolk County, NY	55-Management Of Companies & Enterprises	7,400	6,478	6,488	6,676	6,918	7,174	7,450	7,817	8,203
36103-Suffolk County, NY	56-Administrative, Support, Waste Management	31,615	35,361	36,953	38,888	41,113	43,515	45,930	48,762	51,663
36103-Suffolk County, NY	61-Educational Services	14,713	16,608	18,248	19,840	21,352	22,823	24,418	26,070	27,850
36103-Suffolk County, NY	62-Health Care & Social Assistance	87,100	103,468	113,328	119,754	126,298	133,874	141,717	149,501	157,299
36103-Suffolk County, NY	71-Arts, Entertainment & Recreation	10,719	12,952	13,313	13,672	13,783	13,950	14,078	14,192	14,320
36103-Suffolk County, NY	72-Accommodation & Food Services	35,532	46,787	48,418	49,588	51,094	53,043	54,796	56,536	58,421
36103-Suffolk County, NY	81-Other Services	32,974	33,319	34,499	34,890	35,159	35,513	35,717	35,653	35,579
36103-Suffolk County, NY	92-Government	105,860	100,751	102,411	105,707	108,994	112,092	115,865	119,281	123,031
36105-Sullivan County, NY	11-Agriculture	522	449	455	450	451	441	429	416	402
36105-Sullivan County, NY	21-Mining	102	83	82	83	84	85	89	90	91
36105-Sullivan County, NY	22-Utilities	93	69	72	73	80	85	89	94	98
36105-Sullivan County, NY	23-Construction	2,161	1,572	1,770	1,952	2,293	2,650	3,011	3,361	3,703
36105-Sullivan County, NY	31-33-Manufacturing	807	1,481	1,559	1,573	1,634	1,678	1,722	1,773	1,827
36105-Sullivan County, NY	42-Wholesale Trade	821	845	924	983	1,111	1,240	1,366	1,507	1,658
36105-Sullivan County, NY	44-45-Retail Trade	3,069	3,136	3,415	3,603	3,954	4,250	4,535	4,880	5,275
36105-Sullivan County, NY	48-49-Transportation & Warehousing	534	738	785	792	851	913	972	1,033	1,100
36105-Sullivan County, NY	51-Information	245	290	322	349	386	428	473	520	567
36105-Sullivan County, NY	52-Finance & Insurance	971	724	803	857	954	1,050	1,141	1,235	1,325
36105-Sullivan County, NY	53-Real Estate, Rental & Leasing	489	399	433	459	504	546	590	638	691
36105-Sullivan County, NY	54-Professional, Scientific & Technical	1,086	948	1,046	1,135	1,282	1,429	1,575	1,712	1,849
36105-Sullivan County, NY	55-Management Of Companies & Enterprises	295	366	391	422	478	535	597	673	756
36105-Sullivan County, NY	56-Administrative, Support, Waste Management	746	904	1,010	1,117	1,294	1,480	1,660	1,853	2,047
36105-Sullivan County, NY	61-Educational Services	249	344	397	445	512	578	648	720	797
36105-Sullivan County, NY	62-Health Care & Social Assistance	5,287	5,891	6,791	7,419	8,380	9,382	10,377	11,337	12,288
36105-Sullivan County, NY	71-Arts, Entertainment & Recreation	891	910	998	1,069	1,180	1,296	1,411	1,529	1,652
36105-Sullivan County, NY	72-Accommodation & Food Services	2,695	2,149	2,370	2,532	2,848	3,197	3,530	3,861	4,204
36105-Sullivan County, NY	81-Other Services	2,100	1,364	1,497	1,593	1,762	1,921	2,063	2,193	2,323
36105-Sullivan County, NY	92-Government	6,431	5,455	5,875	6,328	7,035	7,731	8,403	9,045	9,676
36111-Ulster County, NY	11-Agriculture	717	688	695	690	695	689	677	668	661
36111-Ulster County, NY	21-Mining	43	46	54	57	56	55	56	56	57
36111-Ulster County, NY	22-Utilities	181	346	344	339	344	347	344	341	338

County	Industry	2010	2015	2020	2025	2030	2035	2040	2045	2050
36111-Ulster County, NY	23-Construction	3,193	2,372	2,485	2,569	2,690	2,804	2,942	3,104	3,274
36111-Ulster County, NY	31-33-Manufacturing	3,334	3,629	3,547	3,389	3,277	3,203	3,135	3,068	3,000
36111-Ulster County, NY	42-Wholesale Trade	2,108	3,170	3,109	3,016	2,947	2,930	2,908	2,918	2,930
36111-Ulster County, NY	44-45-Retail Trade	9,408	9,125	9,287	9,305	9,233	9,074	8,863	8,733	8,606
36111-Ulster County, NY	48-49-Transportation & Warehousing	1,513	1,786	1,763	1,687	1,649	1,622	1,587	1,554	1,521
36111-Ulster County, NY	51-Information	951	1,099	1,035	994	956	950	953	953	953
36111-Ulster County, NY	52-Finance & Insurance	2,428	2,275	2,321	2,332	2,351	2,385	2,424	2,487	2,551
36111-Ulster County, NY	53-Real Estate, Rental & Leasing	1,362	1,437	1,429	1,427	1,424	1,420	1,413	1,402	1,388
36111-Ulster County, NY	54-Professional, Scientific & Technical	3,345	3,661	3,487	3,395	3,357	3,340	3,322	3,257	3,186
36111-Ulster County, NY	55-Management Of Companies & Enterprises	252	572	528	511	508	507	508	509	509
36111-Ulster County, NY	56-Administrative, Support, Waste Management	2,992	3,608	3,448	3,404	3,448	3,518	3,600	3,693	3,792
36111-Ulster County, NY	61-Educational Services	1,388	1,287	1,390	1,489	1,578	1,662	1,754	1,847	1,948
36111-Ulster County, NY	62-Health Care & Social Assistance	10,170	10,673	11,494	11,973	12,447	13,009	13,600	14,178	14,761
36111-Ulster County, NY	71-Arts, Entertainment & Recreation	1,136	1,467	1,487	1,503	1,501	1,510	1,516	1,519	1,523
36111-Ulster County, NY	72-Accommodation & Food Services	6,448	6,451	6,592	6,658	6,809	7,042	7,249	7,444	7,658
36111-Ulster County, NY	81-Other Services	4,827	5,432	5,601	5,663	5,737	5,808	5,842	5,830	5,815
36111-Ulster County, NY	92-Government	14,960	12,875	13,099	13,524	13,878	14,333	14,798	15,334	15,873
36119-Westchester County, NY	11-Agriculture	598	401	406	401	401	394	384	374	364
36119-Westchester County, NY	21-Mining	12	7	6	6	5	5	5	5	5
36119-Westchester County, NY	22-Utilities	2,446	3,231	3,127	3,007	2,951	2,882	2,745	2,608	2,466
36119-Westchester County, NY	23-Construction	27,112	26,475	27,258	27,842	28,453	28,713	29,148	29,793	30,488
36119-Westchester County, NY	31-33-Manufacturing	21,622	16,805	15,845	14,838	13,887	13,048	12,224	11,411	10,588
36119-Westchester County, NY	42-Wholesale Trade	16,555	16,283	15,936	15,592	15,228	15,377	15,521	15,774	16,062
36119-Westchester County, NY	44-45-Retail Trade	40,795	49,262	49,815	49,114	47,369	45,029	42,315	39,812	37,204
36119-Westchester County, NY	48-49-Transportation & Warehousing	10,585	13,817	13,064	12,830	12,324	11,820	11,251	10,650	10,027
36119-Westchester County, NY	51-Information	8,986	9,678	10,148	10,463	10,694	11,212	11,788	12,417	13,063
36119-Westchester County, NY	52-Finance & Insurance	21,945	20,365	20,749	20,872	20,964	21,230	21,491	21,927	22,350
36119-Westchester County, NY	53-Real Estate, Rental & Leasing	12,048	11,131	11,041	11,015	10,913	10,810	10,670	10,524	10,364
36119-Westchester County, NY	54-Professional, Scientific & Technical	31,204	36,878	38,175	39,033	39,858	41,090	42,328	43,198	44,025
36119-Westchester County, NY	55-Management Of Companies & Enterprises	8,791	9,608	9,652	9,835	10,078	10,435	10,854	11,408	12,003
36119-Westchester County, NY	56-Administrative, Support, Waste Management	22,193	27,989	29,391	30,654	32,061	33,894	35,815	38,039	40,323
36119-Westchester County, NY	61-Educational Services	20,728	23,862	25,756	27,539	29,080	30,556	32,152	33,785	35,555
36119-Westchester County, NY	62-Health Care & Social Assistance	69,576	75,810	81,597	84,890	87,833	91,432	95,124	98,733	102,340
36119-Westchester County, NY	71-Arts, Entertainment & Recreation	10,417	11,527	11,798	12,020	12,039	12,079	12,069	12,054	12,057
36119-Westchester County, NY	72-Accommodation & Food Services	23,606	28,816	29,674	30,161	30,861	31,760	32,493	33,235	34,062
36119-Westchester County, NY	81-Other Services	31,341	38,970	39,784	39,462	39,009	38,556	37,880	36,939	35,987
36119-Westchester County, NY	92-Government	64,627	54,923	55,529	56,627	57,936	59,439	61,176	62,820	64,544

End Notes

¹ Furman Center for Real Estate & Urban Policy. "How Have Recent Rezoning Affected the City's Ability to Grow?" Policy Brief, March 2010.

http://furmancenter.org/files/publications/Rezoning_Furman_Center_Policy_Brief_March_2010.pdf. Accessed March 26, 2015.