Clark County Nevada Population Forecast: 1999-2035

Prepared by

Mary Riddel

Keith Schwer

December 29, 1999

The Center for Business and Economic Research
University of Nevada, Las Vegas

Clark County Forecasts:
1999-2035
©R. Keith Schwer
schwer@nevada.edu
702-895-319—telephone
702-895-3606—fax

UNLV
College of Business
Center for Business and
Economic Research
4505 Maryland Parkway
Las Vegas, NV 89154-6002

Clark County, Nevada Population Forecast: 1999-2035

Mary Riddel
and
R.Keith Schwer

December 29, 1999

Executive Summary

This study is a joint effort on the part of the Center for Business and Economic Research (CBER), Clark County Comprehensive Planning, the Regional Transportation Commission, and the Southern Nevada Water Authority to provide a long-term forecast of economic conditions and population in Clark County. We forecast population from 2000 to 2035 using the REMI model as a starting point. We re-calibrate the REMI model to reflect the most current information concerning infrastructure investment, hotel/casino construction, and employment in Clark County.

The REMI model is built using Federally collected data. We adjust the model's 1999 population estimate using local population data obtained from an annual household survey done by postal carriers and commissioned by Clark County. We do this to better reflect the local economy.

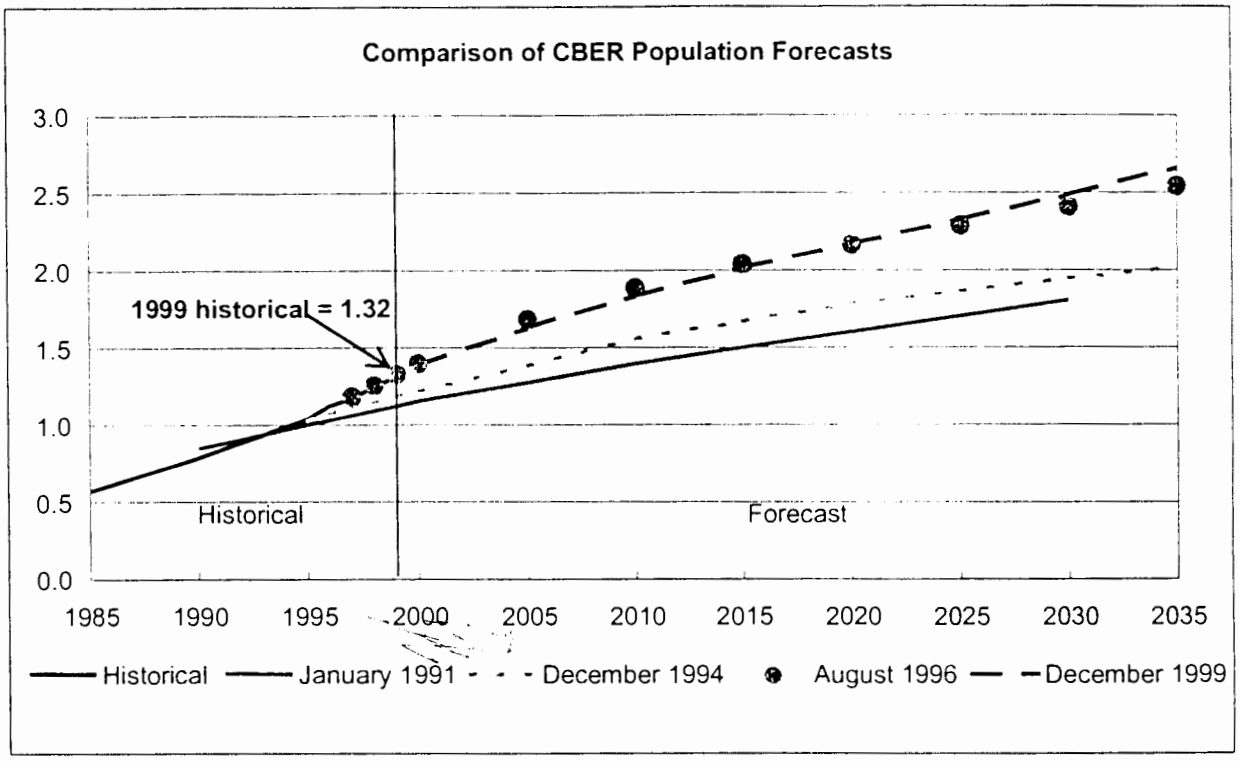
Figure 1 shows some of the Clark County population forecasts generated by CBER. Forecasts of population prior to 1995 underestimated Clark County's population growth. Growth was underforecast during this period of unprecedented economic growth. The more recent 1996 and 1999 forecasts are in line with recent historical estimates of Clark County's population and reflect updates to the REMI model and recent local economic information through the recalibration process.

The adjusted forecast shown in Table 1 indicates that by the year 2035, more than 2.66 million people will be living in Clark County. This is a 102 percent increase over the estimated current population. The largest share of the growth will occur over the next six years, when growth rates are expected to be between 3 and 5 percent. We expect population to grow by 4.7 percent next year. Growth rates fall after 2005, largely due to slowing in employment growth and in-migration. Moderate rates of population growth are expected during this period, with growth ranging between 1 and 3 percent.

Table 1. Clark County Population Forecast and Growth Rate: 1997-2035

Clark County		
Year	Population Forecast	Growth Rate
1997	1,170,113	
1998	1,246,193	6.5%
1999	1,321,319	6.0%
2000	1,383,335	4.7%
2001	1,439,676	4.1%
2002	1,492,042	3.6%
2003	1,541,672	3.3%
2004	1,588,948	3.1%
2005	1,633,915	2.8%
2006	1,676,664	2.6%
2007	1,717,754	2.5%
2008	1,758,073	2.3%
2009	1,797,813	2.3%
2010	1,836,859	2.2%
2011	1,875,303	2.1%
2012	1,912,657	2.0%
2013	1,948,520	1.9%
2014	1,983,110	1.8%
2015	2,016,609	1.7%
2016	2,049,222	1.6%
2017	2,081,161	1.6%
2018	2,112,495	1.5%
2019	2,143,363	1.5%
2020	2,173,843	1.4%
2021	2,204,335	1.4%
2022	2,234,949	1.4%
2023	2,265,645	1.4%
2024	2,296,565	1.4%
2025	2,327,761	1.4%
2026	2,359,412	1.4%
2027	2,391,782	1.4%
2028	2,424,865	1.4%
2029	2,458,529	1.4%
2030	2,492,684	1.4%
2031	2,527,356	1.4%
2032	2,562,716	1.4%
2033	2,598,678	1.4%
2034	2,635,016	1.4%
2035	2,667,217	1.2%

Figure 1. Comparison of Selected Past Clark County Population Estimates



I. Introduction

This study is a joint effort on the part of the Center for Business and Economic Research (CBER), Clark County Comprehensive Planning, the Regional Transportation Commission, and the Southern Nevada Water Authority to provide a report of the current state of the economy in Southern Nevada and a long-term forecast of economic conditions and population in Clark County. The long-term forecast is developed using a structural demographic and economic model developed by Regional Economic Models, Inc (REMI). It is a state-of-the-art econometric forecast model that pays special attention to dynamic feedbacks between demographic and economic variables over time. The model allows for including other economic changes such as large infrastructure expenditures to study their impacts on the local economy.

The REMI model has been specially constructed for the CBER. The model breaks Nevada into five regions – Clark County, Nye County, Lincoln County, Washoe County and Carson City, and the remaining counties are combined to form the fifth region. The model explicitly accounts for trade and demographic flows between the regions, as well as the US as a whole.

The data used in constructing the model begin in 1969 and finish in 1996. The lag in the incorporation of new data in the model results from the lag in reporting county level personal income statistics by the Bureau of Labor Statistics (BLS). Because we are privy to employment and commercial real estate development that is not included in the model, we re-calibrate the model to include this information. Further, we include transportation projects scheduled to begin in Clark County in 2001. Re-calibrating the model to include the most current economic information available will improve the

accuracy of the model forecasts and make year-to-year forecasts more accurate than they would be without the re-calibration.

The population data used in the REMI model are obtained from the U.S. Census Bureau. The data collection method is based on the administrative records approach whereby population estimates each non-census year are based on birth and death certificates as well as administrative records for migration. While this technique is appropriate for much of the United States, it is somewhat less satisfactory for rapidly growing population centers such as Las Vegas. In rapidly growing areas the housing-unit method, where population is measured by counting the number of occupied housing units, may be used to augment the Census Bureau estimates. In response to this, we adjust the forecast using the housing-unit method.

Comparison of REMI Models: Current and Previous Years

Prior to re-calibrating the model to account for new information, we compare the model results from last year to the current year in an effort to understand significant changes that have been made to the model. An examination of forecast values for employment, population, and gross county product given by the current year's model reveal several significant differences from past years. First, the per capita gross regional product is between 10 and 13 percent higher over the range of the forecast than in the last year's (1995) model. The forecast values for the ratio of employment to the total population range between 3 and 7 percent higher in the current year's model than in past year's. Population, on the other hand, is slightly lower than in previous models, with the year 2035 forecast value falling nearly 5 percent over the prior year's model forecast.

After conferring with REMI staff, we determined that these forecast differences can be explained by two changes that were made in the model parameters. First, in response to data that indicate a national trend in the number of jobs held by each worker,

REMI has made an upward adjustment to this parameter in the model. Because REMI employment numbers reflect the actual number of wage and salary jobs and proprietors rather than full-time equivalents, an increase in the number of jobs per person does not, in itself, imply an increase in per capita economic output. In fact, the increase in per capita Gross Regional Product (GRP) results from another change in the model. REMI staff report that last year's models contained a downward trend in service sector productivity. Recent data supports the moderation of this trend, and model parameters are adjusted to allow for this. Stability in service sector productivity is especially significant in an economy, like Las Vegas', that is dominated by the service industry. The model forecasts reflect that importance.

II. Description of Model Calibration

It is important to recalibrate the model each year to adjust for new and local-specific information, that for reasons of data availability, was not included in the construction of the model. In past years, four adjustments have been made to the model including an employment update, adding additional employment to future years to account for hotel construction, adding planned transportation infrastructure investment, and including an amenity factor. We continue to make these adjustments this year.

Employment adjustment

The sectoral employment figures contained in the REMI model are a blend of wage and salary employment and the number of proprietors in each sector. The most recent historical data in the model is 1996. However, wage and salary employment estimates are available from the Bureau of Labor Statistics (BLS) and the Nevada Employment and Security Department (NESD) for 1997 and 1998. Adjusting the model to include the most recent information will increase the accuracy and reliability of the forecasts, particularly in the near term.

In order to merge the state wage and salary data with the REMI employment, we first calculate the percentage change in employment for each two-digit Standard Industrial Classification (SIC) categories for the BLS and NESD data. The growth rates are then applied to the appropriate REMI sector for the most recent historical model year. Re-calibrating employment in this way will increase the accuracy of the forecast in addition to reducing the variability of employment and population estimates between forecast models.

Employment: 1997 and 1998

The results of the re-calibration of employment by two-digit SIC are included in Table 2. Overall, the re-based employment series is larger than the original REMI series. Though the changes are primarily small, a few sectors change substantially when re-based. The most significant change is observed in construction employment, where recent information implies an increase of 11 and 16 percent for 1997 and 1998, respectively, over the original REMI employment. Another significant re-basement is performed on the "rest of retail" employment.

Adjustments for new hotel construction

We are also privy to information concerning expected new hotel construction that is not directly available to the model developers. As new hotels are added, additional hotel jobs are added to the economy that will significantly impact the rate of migration, hence employment, into Clark County. In response, we estimate the number of new hotel rooms that are expected to be built over the next six years and translate those into hotel employment based on the historical estimate of jobs per room. An examination of the recent history suggests that there are approximately 1.6 direct hotel jobs for each room.

Table 2. Re-basement of the Model's Two Digit SIC Employment: 1997 and 1998

	Remi Employment Data, thousands of jobs					State Data		Remi Rebased Employment				
	History	Forecast	Forecast	% of employment		Growth rates		Employment			Additional employment	
Industrial Classification	1996	1997	1998	1997	1998	1996-97	1997-98	1996	1997	1998	1997	1998
Lumber	1.48	1.51	1.54	0.22	0.22	18.83	-2.06	1.48	1.76	1.73	0.25	0.19
Furniture	0.41	0.42	0.44	0.06	0.06	-0.28	-2.53	0.41	0.41	0.40	-0.01	-0.04
Stone,Clay,Etc.	2.42	2.35	2.34	0.35	0.34	1.83	1.41	2.42	2.46	2.49	0.11	0.16
Primary Metals	0.54	0.54	0.53	0.08	0.08	22.41	8.15	0.54	0.66	0.71	0.12	0.18
Fabricated Metals	1.41	1.41	1.40	0.21	0.20	2.35	1.38	1.41	1.45	1.47	0.04	0.07
Machin & Comput	0.76	0.75	0.73	0.11	0.10	9.62	6.06	0.76	0.84	0.89	0.08	0.16
Electric Equip	1.05	0.96	0.87	0.14	0.13	9.64	2.08	1.05	1.15	1.18	0.19	0.30
Motor Vehicles	0.05	0.05	0.05	0.01	0.01	0.00	0.00	0.05	0.05	0.05	0.00	0.01
Rest Trans Equip	0.11	0.12	0.12	0.02	0.02	0.00	0.00	0.11	0.11	0.11	-0.01	-0.01
Instruments	0.44	0.46	0.48	0.07	0.07	0.00	0.00	0.44	0.44	0.44	-0.02	-0.03
Misc Manufact	1.94	2.05	2.12	0.30	0.31	10.95	4.21	1.94	2.15	2.25	0.10	0.12
Food	2.19	2.18	2.16	0.32	0.31	6.86	-2.06	2.19	2.34	2.30	0.17	0.13
Tobacco Manuf	0.03	0.02	0.02	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.01	0.01
Textiles	0.02	0.02	0.02	0.00	0.00	2.00	0.15	0.02	0.02	0.02	0.00	0.00
Apparel	0.78	0.78	0.77	0.12	0.11	2.00	0.15	0.78	0.79	0.80	0.01	0.03
Paper	0.24	0.24	0.23	0.03	0.03	0.00	0.00	0.24	0.24	0.24	0.01	0.02
Printing	3.55	3.56	3.59	0.53	0.52	2.63	2.01	3.55	3.64	3.72	0.08	0.13
Chemicals	0.64	0.66	0.67	0.10	0.10	0.45	23.61	0.64	0.64	0.80	-0.01	0.13
Petro Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rubber	1.33	1.34	1.35	0.20	0.19	1.16	7.87	1.33	1.35	1.45	0.00	0.11
Leather	0.07	0.06	0.04	0.01	0.01	0.00	0.00	0.07	0.07	0.07	0.01	0.03
Mining	1.32	1.32	1.29	0.20	0.19	5.35	21.72	1.32	1.39	1.69	0.07	0.40
Construction	65.40	60.86	61.40	8.99	8.83	10.12	7.41	65.40	72.02	77.36	11.16	15.96
Railroad	0.51	0.50	0.49	0.07	0.07	4.39	5.21	0.51	0.53	0.56	0.03	0.07
Trucking	4.05	4.04	4.10	0.60	0.59	4.39	5.21	4.05	4.23	4.45	0.19	0.35
Local/Interurban	7.01	7.13	7.27	1.05	1.05	12.45	6.58	7.01	7.88	8.40	0.75	1.12
Air Transportation	5.83	5.97	6.13	0.88	0.88	4.31	2.61	5.83	6.08	6.23	0.11	0.11
Other Transport	2.97	3.02	3.13	0.45	0.45	12.36	3.82	2.97	3.33	3.46	0.32	0.33
Communication	5.35	5.27	5.33	0.78	0.77	14.06	18.8	5.35	6.11	7.25	0.84	1.93
Public Utilities	5.39	5.53	5.70	0.82	0.82	2.41	0.81	5.39	5.52	5.56	-0.01	-0.13
Banking	10.18	10.01	10.07	1.48	1.45	-0.01	1.01	10.18	10.18	10.28	0.17	0.21
Insurance	7.82	7.87	8.02	1.16	1.15	9.92	8.76	7.82	8.59	9.35	0.72	1.33
Credit & Finance	10.07	10.76	11.33	1.59	1.63	13.74	24.79	10.07	11.45	14.29	0.70	2.97
Real Estate	18.96	18.48	18.68	2.73	2.69	7.98	8.86	18.96	20.47	22.28	1.99	3.61
Eating & Drinking	36.44	36.98	37.80	5.46	5.44	6.94	4.73	36.44	38.97	40.81	1.99	3.01
Rest of Retail	70.44	70.95	72.36	10.47	10.41	9.00	7.13	70.44	76.78	82.26	5.83	9.90
Wholesale trade	20.18	20.33	20.90	3.00	3.01	7.92	7.13	20.18	21.78	23.33	1.45	2.43
Hotels	146.61	150.01	152.92	22.15	21.99	4.18	1.29	146.61	152.74	154.71	2.73	1.79
Pers Serv & Rep	16.81	16.93	17.17	2.50	2.47	7.07	7.48	16.81	18.00	19.35	1.07	2.18
Private Household	3.10	3.14	3.18	0.46	0.46	0.00	0.00	3.10	3.10	3.10	-0.03	-0.08
Auto Rep/Serv	7.58	7.73	7.93	1.14	1.14	6.79	0.1	7.58	8.09	8.10	0.36	0.17
Misc. Bus Serv	42.18	44.16	46.28	6.52	6.66	10.41	4.03	42.18	46.57	48.45	2.41	2.17
Amusem & Recr	20.03	21.22	22.30	3.13	3.21	7.14	1.14	20.03	21.45	21.70	0.24	-0.60
Motion Pictures	2.46	2.54	2.64	0.38	0.38	-2.63	9.68	2.46	2.40	2.63	-0.14	-0.01
Medical	29.11	30.64	32.74	4.52	4.71	6.66	4.35	29.11	31.05	32.40	0.41	-0.34
Misc. Prof Serv	24.95	25.71	26.81	3.79	3.86	3.48	5.23	24.95	25.82	27.17	0.12	0.36
Education	2.82	2.87	2.98	0.42	0.43	7.11	18.23	2.82	3.02	3.57	0.16	0.59

Table 2 cont. Re-basement of the Model's Two Digit SIC Employment: 1997 and 1998

	Remi Employment Data: thousands of jobs					State Data		Remi Rebased Employment				
	History	Forecast	Forecast	% of employment		Growth Rates		Employment			Additional Employment	
Industrial Classification	1996	1997	1998	1997	1998	1996-97	1997-98	1996	1997	1998	1997	1998
Non-Profit Org	8.40	8.71	9.09	1.29	1.31	12.10	12.26	8.40	9.41	10.56	0.70	1.47
Agricultural services	7.25	7.22	7.32	1.07	1.05	0.00	0	7.25	7.25	7.25	0.04	-0.07
Forestry and fishing	0.12	0.11	0.11	0.02	0.02	0.00	0	0.12	0.12	0.12	0.00	0.01
State and Local	47.59	50.04	52.44	7.39	7.54	3.31	4.94	47.59	49.17	51.60	-0.88	-0.84
Federal Civilian	7.88	7.93	7.86	1.17	1.13	1.91	3.73	7.88	8.03	8.33	0.10	0.48
Federal Military	9.55	9.60	9.88	1.42	1.42	1.91	3.73	9.55	9.73	10.09	0.13	0.21
Farm	0.32	0.32	0.32	0.05	0.05	0.00	0	0.32	0.32	0.32	0.00	0.01
Total	668.13	677.36	695.37					668.13	712.19	748.14	34.84	52.77

As new hotels are added, older hotels may become obsolete implying that there is some depreciation factor that must be considered in the estimate of additional rooms. For the near-term forecast – 1999 and 2000 – we assume that 85 percent of the planned new rooms will represent an addition to the stock of hotel rooms. Because more uncertainty surrounds the construction and timing of planned hotel construction between 2001 and 2005, we assume only half of those rooms will be built. Further, we assume that the construction of those rooms will be spread evenly over the time period to account for advances or delays in construction schedules. Beyond 2005, construction plans appear too uncertain to justify adjusting REMI for local information, and the forecast is based on REMI.

Table 3 provides information concerning the number of hotel rooms and associated hotel employment added to the model given the most recent information available. The addition of Paris and the Venetian casinos have a large impact on the employment re-basement during 1999. During that time, we add 14,571 hotel and casino jobs corresponding to 10,633 rooms, to the model. Additions for 2000-2005 are more modest, where between 126 and 2,265 hotel jobs are added to the model.

Transportation infrastructure additions

Dramatic population and employment growth over the last decade has necessitated continuous public infrastructure investment. While past investment projects are included in the model, future large projects, particularly transportation investment, are not. Therefore, we include projects that are expected to put near-term future public investment above the current trend.

Currently, plans are in place to construct a new fixed guide-way system and expand the number of buses. The estimated expenditures are $526.2 million between 2001 and 2005, $961.5 between 2006 and 2010, and $961.5 million between 2011 to 2020. After annualizing the expenditures, the final numbers are included in the REMI category for state and local investment in transit utilities.

Because some of the planned investment is new expenditure and the remaining substitutes for money that would have been spent in other public projects, it is necessary to adjust the model to avoid double-counting and maintain a balanced budget. We assume that 30 percent of the planned infrastructure investment will be new money. We maintain the balanced budget by including all of the transportation expenditures while reducing the state and local government spending by 70 percent of the total transportation investment each year. The redistribution means that state and local spending is reduced by $73.6 million between 2001 and 2005, $134.6 million between 2006 and 2010, and $64.8 million between 2011 and 2020 and those monies are added to infrastructures investments.

Table 3. Rebasement of the Model's Hotel and Casino Employment: 1999 – 2005

Year	Local Projection of New Hotel Rooms	Number of New Hotel Rooms in the Remi Control Model	Forecasts Additional Rooms in Excess of Control Forecast	Additional Hotel Jobs Assuming 1.6 Hotel Jobs per Room	Hotel Jobs from Remi Control Model	Total Hotel Employment for Adjusted Model
1999	10,633	1,526	9,107	14,571	157,153	171,724
2000	2,828	1,412	1,415	2,265	173,984	176,249
2001	2,230	1,727	503	805	179,012	179,817
2002	2,230	2,047	183	293	183,092	183,385
2003	2,230	2,032	198	317	186,636	186,953
2004	2,230	2,038	192	307	190,298	190,605
2005	2,230	2,151	79	126	194,335	194,461

The amenity factor

Population and employment in the Las Vegas Valley have grown at an unprecedented rate over the past decade. Rapid urban growth is often associated with congestion, higher crime rates, deteriorating air quality, and a shortage of public services such as education. These take the form of negative externalities, or social costs, that are imposed on residents. As social costs increase and wages remain the same, net in-migration may be discouraged as Clark County becomes less attractive relative to other areas.

In past years, we have included an "amenity factor" in the model to account for the social costs imposed on Clark County residents by rapid growth. Because growth has not slowed and negative externalities appear to be on the rise, we continue to include the amenity factor in the model. We assume that the social costs of growth increase by 0.3 percent each year beginning in 2000. The amenity factor is introduced into the model through migration by using the REMI policy variable "non-pecuniary amenity aspects relative to wage." The thinking is that negative externalities impact the relative desirability of a region, then the relative wage must be adjusted upward for any given level of migration to compensate people for the social costs of growth. See Table 4.

Table 4. Real Wage Equivalent of Negative Externalities: 2000 - 2035

Year	Externalities Impact as % of Real Wage
2000	0.000
2001	0.033
2002	0.067
2003	0.100
2004	0.133
2005	0.167
2006	0.200
2007	0.233
2008	0.267
2009	0.300
2010	0.333
2011	0.367
2012	0.400
2013	0.433
2014	0.467
2015	0.500
2016	0.533
2017	0.567
2018	0.600
2019	0.633
2020	0.667
2021	0.700
2022	0.733
2023	0.767
2024	0.800
2025	0.833
2026	0.867
2027	0.900
2028	0.933
2029	0.967
2030	1.000
2031	1.033
2032	1.067
2033	1.100
2034	1.133
2035	1.167

Analysis of the Unadjusted Forecast

The REMI model forecast calls for population growth to continue in Clark County, but at a somewhat slower pace than in the recent past. Near-term growth rates are still quite strong, however, by 2010 population growth in Southern Nevada, though remaining positive, slows substantially.

The population forecast results for this year's re-calibrated model are substantially different than those supported by past years' models. Table 5 provides information about the source of the differences including the differences due to changes made by the modelers at REMI (termed the out-of-the-box differences) and those made to recalibrate the model. Out-of-the-box differences are inconsequential early in the forecast, but changes made in the model eventually impact the population forecast, leading to nearly 123,000 fewer people in the current forecast as compared with the prior year's forecast.

The major economic and demographic variables including employment, gross regional product (GRP), and population are reported in Table 6.

Table 5. Decomposition of Model Comparisons of Clark County Population Forecast for Selected Years

Year	Total Difference of Population Forecast between 1999 and 1998	Out-of-the-Box-Difference	Out-of-the-Box Differences as % of Total Difference	Local Re-calibration Differences	Re-calibration Differences as a % of Total Difference
2005	-89,707	-1,610	1.8	-88,097	98.2
2020	-87,381	-67,273	77.0	-20,108	23.0
2035	60,173	-122,998	-204.4	183,171	304.4

Table 6. Historical and Forecasted Clark County Economic and Unadjusted Demographic Profile: 1995 - 2035

Year	Employment (Thousands)	Employment as % of US	GRP (Bil 92$)	Unadjusted Population (Thousands)	Population as a % of U.S.
1995	618.563	0.414	26.974	993.571	0.378
1996	668.132	0.439	29.075	1046.498	0.394
1997	712.067	0.46	31.4	1108.549	0.414
1998	748.013	0.476	33.352	1173.043	0.435
1999	776.605	0.49	34.703	1238.141	0.455
2000	790.564	0.492	35.634	1300.157	0.474
2010	935.973	0.522	44.869	1753.681	0.591
2020	1056.511	0.562	53.732	2090.665	0.653
2035	1246.487	0.624	69.315	2584.039	0.733

Note: These population estimates have not been adjusted to the housing units method.

Near-term employment growth tapers off as hotel and casino expansion slows next year. Near-term employment forecasts call for growth between 1.5 and 3 percent per year. Long-run employment growth is modest, stabilizing at between 1 and 2 percent for the length of the forecast. Clark County continues to grow faster than the nation as a whole, as evidenced by Clark County employment becoming an increasingly important part of the nation's economy throughout the length of the forecast.

Employment growth means growth in the economy as a whole. GRP is a measure of the economic output that includes all goods and services produced in the county economy. The model projects steady growth in GRP through 2035.

Following economic and employment growth, the population in Clark County is expected to expand at a more moderate pace than in recent years. The growth rates predicted by the re-calibrated REMI model fall from 5 to 6 percent per year observed in the recent history to a more moderate 1 to 2 percent per year after 2010.

The population projections reported in Table 6 are still based on the Census' administrative records approach to population estimation. As mentioned earlier, using the administrative records approach is problematic in areas, like Clark County, that are experiencing rapid economic and population growth. The housing-unit method is preferred under these circumstances. Therefore, we adjust REMI population forecast to align it with the current population estimates obtained with the housing-unit approach.

The 1999 population estimate from the REMI model is 1,238,141 – 83,178 lower than that obtained from the housing survey. To adjust the forecast to reflect what we feel is more accurate information, we shift the entire forecast up by the difference between the two 1999 estimates. Essentially, we add 83,178 people to the forecast for *each year* of the forecast, "a constant shift approach." Therefore, in the forecast adjusted to correspond with the housing units population estimate, growth rates are slowed modestly from the REMI forecast. An alternative approach is to adjust the 1999 estimate to match the housing survey estimate for 1999, then use REMI growth rates for the forecast. The concern was that this may overstate long term growth by compounding current error into the future. Therefore, the constant shift approach was taken to avoid this problem. The adjusted and unadjusted population estimates are reported in Table 7.

Table 7. Historical and Forecasted Clark County Adjusted and Unadjusted Population Forecast: 1995 - 2035

	Clark County	REMI
Year	Adjusted Forecast (Thousands)	Un-adjusted Forecast (Thousands)
1997	1170.113	1108.549
1998	1246.193	1173.043
1999	1321.319	1238.141
2000	1383.335	1300.157
2001	1439.676	1356.498
2002	1492.042	1408.864
2003	1541.672	1458.494
2004	1588.948	1505.770
2005	1633.915	1550.737
2006	1676.664	1593.486
2007	1717.754	1634.576
2008	1758.073	1674.895
2009	1797.813	1714.635
2010	1836.859	1753.681
2011	1875.303	1792.125
2012	1912.657	1829.479
2013	1948.520	1865.342
2014	1983.110	1899.932
2015	2016.609	1933.431
2016	2049.222	1966.044
2017	2081.161	1997.983
2018	2112.495	2029.317
2019	2143.363	2060.185
2020	2173.843	2090.665
2021	2204.335	2121.157
2022	2234.949	2151.771
2023	2265.645	2182.467
2024	2296.565	2213.387
2025	2327.761	2244.583
2026	2359.412	2276.234
2027	2391.782	2308.604
2028	2424.865	2341.687
2029	2458.529	2375.351
2030	2492.684	2409.506
2031	2527.356	2444.178
2032	2562.716	2479.538
2033	2598.678	2515.500
2034	2635.016	2551.838
2035	2667.217	2584.039

III. Conclusion

The adjusted forecast indicates that by the year 2035, more than 2.66 million people will be living in Clark County. This is a 102 percent increase over the estimated current population. The largest share of the growth will occur over the next six years, when growth rates are expected to be between 3 and 5 percent. Growth rates fall after 2005, largely due to slowing in employment growth and in-migration. Moderate rates of population growth are expected during this period, with growth ranging between 1 and 3 percent.

This year's model predicts similar estimates of near-term growth to last year's model. However, because of differences in the model re-calibration between the two years, the population estimates generated this year are somewhat lower than last year's. The difference is approximately 50,000 people in 2000, but the difference narrows to almost zero by 2030, when this year's estimates overtake those suggested by the previous model.

The risks to the forecast are three-fold. First, dramatic changes in public policy could result in forecast error. The model implicitly assumes that the social and political character of Las Vegas will be constant, save for a modest growth-related decline in the "quality of life." If, for some reason, public entities undertake a significant program to control negative externalities, or alternatively, allow the social character to deteriorate below that implicit in the model, the forecasts will be compromised.

Another potential danger to the forecast is a shift away from gaming as a form of entertainment. Because the economy of Southern Nevada is largely dependent upon gaming for its economic health, a shift in tastes could have far-reaching implications for the local and state economy. A final, related observation involves the future composition

of the economy in Southern Nevada. Changes in the mix of county industry, so that more manufacturing or other high-valued industries are present, may alter expected population growth rates. To be sure, diversified economies are typically more resistant to economic downturns.

Appendix 1. New and Proposed Hotels/Resorts/Motels: Las Vegas Area

1999 Proposed Hotels and Expansions

Property Name	Number of Rooms	Expected Completion Date
La Quinta	128	Jan-99
Club de Soleil	86	Feb-99
Mandalay Bay	3,309	Mar-99
Four Seasons	424	Mar-99
Rio Suites	9	Mar-99
Venetian Resort	3,036	May-99
Embassy Suites	220	May-99
Mansion at the MGM	30	May-99
Hard Rock Hotel Expansion	340	May-99
Hampton Inn	325	May-99
Regent Grand Spa	287	Jul-99
Regent Grand Palms	253	Jul-99
Courtyard by Marriott	150	Aug-99
PTs Mining Company	71	Aug-99
Paris	2,914	Sep-99
Hilton Grand Vacations Club	232	Nov-99
Hyatt-Monte Lago	496	Dec-99
Polo Towers-Phase III	199	Dec-99
Total 1999	*12,509*	

2000 Proposed Hotels and Expansions

Property Name	Number of Rooms	Expected Completion Date
Embassy Suites	287	Jan-00
Aladdin Phase I	2,600	Mar-00
Suncoast Phase I	240	Mar-00
Grand Bay Hotel	200	Jul-00
Total 2000	*3,327*	

Proposed Hotels and Expansions 2001 and Beyond

Property Name	Number of Rooms	Expected Completion Date
Circus Circus Project Z	4,000	After Mandalay Bay
Circus Circus Project Z1	4,000	After Project Z
Circus Circus Project Timeshare	2,000	After Project Z
Mirage Resorts New Project	3,000	before 2002
Aladdin Music Project	1,000	after Phase I
Venetian Lido Phase II	3,000	after Venetian Phase I
Grand Bay Hotel	810	after Hyatt Project
Lake Las Vegas	1,990	after Hyatt Project
Summerlin South	750	after 2001
Summerlin West	750	after 2002
Stratosphere (Phase II)	1,000	contingent on reorganization
Total 2001 and Beyond	22,300	

Appendix 2. REMI Model Output

Control 1 - Levels

Primary:Super Summary Table - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Total Emp (Thous)	712.067	748.013	776.605	790.564	804.732	821.92	838.808	854.903	870.774	883.779	894.922
Total Emp As % of US	0.46	0.476	0.49	0.492	0.492	0.494	0.497	0.501	0.504	0.507	0.51
Priv Non-Farm Emp (Thous)	644.816	677.671	704.11	715.614	728.744	743.921	758.866	773.052	787.075	799.063	808.49
Priv Non-Farm Emp As % of US	0.495	0.512	0.527	0.529	0.528	0.529	0.531	0.534	0.537	0.539	0.543
GRP (Bil 92$)	31.4	33.352	34.703	35.634	36.562	37.552	38.507	39.466	40.438	41.218	42.058
Pers Inc (Bil Nom $)	30.056	33.038	36.072	38.415	40.602	42.968	45.486	48.165	50.917	53.769	56.782
Pers Inc As % of US	0.438	0.459	0.477	0.486	0.491	0.496	0.502	0.508	0.514	0.519	0.525
Disp Pers Inc (Bil Nom $)	25.522	28.097	30.909	32.968	34.903	36.99	39.207	41.564	43.985	46.496	49.143
PCE-Price Index 92$	117.886	120.9	124.682	128.058	131.241	134.434	137.69	141.027	144.448	147.947	151.601
Real Disp Pers Inc (Bil 92$)	21.65	23.24	24.79	25.744	26.595	27.515	28.475	29.472	30.451	31.428	32.416
Real Disp Pers Inc Per Cap (Thous 92$)	19.53	19.812	20.022	19.801	19.605	19.53	19.523	19.573	19.636	19.723	19.831
Population (Thous)	1108.549	1173.043	1238.141	1300.157	1356.498	1408.864	1458.494	1505.77	1550.737	1593.486	1634.576
Pop As % of US	0.414	0.435	0.455	0.474	0.49	0.505	0.519	0.532	0.543	0.554	0.564

Control 1 - Levels

Primary:Super Summary Table - REMI Standard U.S. Control

Variable	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Total Emp (Thous)	907.873	921.694	935.973	951.242	964.532	977.224	989.508	1001.39	1012.909	1024.344	1035.344
Total Emp As % of US	0.514	0.518	0.522	0.527	0.531	0.535	0.538	0.542	0.546	0.55	0.554
Priv Non-Farm Emp (Thous)	819.751	831.878	844.539	857.299	869.204	880.581	891.592	902.295	912.67	923.027	932.988
Priv Non-Farm Emp As % of US	0.547	0.551	0.555	0.559	0.562	0.566	0.57	0.574	0.578	0.582	0.586
GRP (Bil 92$)	42.956	43.902	44.869	45.881	46.805	47.699	48.586	49.462	50.325	51.2	52.049
Pers Inc (Bil Nom $)	59.913	63.216	66.648	70.271	73.761	77.318	81.032	84.851	88.794	92.936	97.125
Pers Inc As % of US	0.53	0.536	0.541	0.547	0.551	0.554	0.558	0.561	0.565	0.568	0.571
Disp Pers Inc (Bil Nom $)	51.887	54.781	57.788	60.959	64.011	67.119	70.363	73.697	77.136	80.747	84.395
PCE-Price Index 92$	155.398	159.31	163.322	167.449	171.616	175.845	180.166	184.587	189.126	193.794	198.585
Real Disp Pers Inc (Bil 92$)	33.39	34.386	35.383	36.404	37.299	38.17	39.055	39.926	40.786	41.667	42.498
Real Disp Pers Inc Per Cap (Thous 92$)	19.935	20.055	20.176	20.314	20.388	20.463	20.556	20.65	20.745	20.854	20.942
Population (Thous)	1674.895	1714.635	1753.681	1792.125	1829.479	1865.342	1899.932	1933.431	1966.044	1997.983	2029.317
Pop As % of US	0.573	0.582	0.591	0.599	0.607	0.614	0.62	0.627	0.632	0.638	0.643

Control 1 - Levels

Primary:Super Summary Table - REMI Standard U.S. Control

Variable	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Total Emp (Thous)	1046.136	1056.511	1067.602	1078.019	1088.645	1099.563	1110.529	1121.868	1134.026	1146.763	1159.913
Total Emp As % of US	0.558	0.562	0.567	0.571	0.575	0.579	0.583	0.587	0.591	0.596	0.6
Priv Non-Farm Emp (Thous)	942.741	952.131	961.402	970.797	980.358	990.158	1000	1010.149	1020.993	1032.342	1044.028
Priv Non-Farm Emp As % of US	0.591	0.595	0.599	0.603	0.608	0.612	0.616	0.621	0.625	0.629	0.634
GRP (Bil 92$)	52.901	53.732	54.602	55.469	56.347	57.251	58.162	59.098	60.112	61.155	62.229
Pers Inc (Bil Nom $)	101.524	106.003	110.8	115.858	121.121	126.721	132.547	138.777	145.676	152.91	160.594
Pers Inc As % of US	0.574	0.576	0.58	0.583	0.586	0.59	0.593	0.597	0.602	0.607	0.612
Disp Pers Inc (Bil Nom $)	88.224	92.118	96.286	100.683	105.257	110.126	115.192	120.613	126.623	132.927	139.626
PCE-Price Index 92$	203.519	208.59	213.848	219.258	224.828	230.568	236.473	242.567	248.867	255.349	262.011
Real Disp Pers Inc (Bil 92$)	43.349	44.162	45.025	45.92	46.817	47.763	48.712	49.723	50.88	52.057	53.29
Real Disp Pers Inc Per Cap (Thous 92$)	21.041	21.124	21.227	21.34	21.451	21.579	21.702	21.845	22.039	22.23	22.435
Population (Thous)	2060.185	2090.665	2121.157	2151.771	2182.467	2213.387	2244.583	2276.234	2308.604	2341.687	2375.351
Pop As % of US	0.648	0.653	0.658	0.663	0.667	0.672	0.677	0.682	0.687	0.693	0.698

Control 1 - Levels

Primary:Super Summary Table - REMI Standard U.S. Control

Variable	2030	2031	2032	2033	2034	2035
Total Emp (Thous)	1173.358	1187.217	1201.761	1216.792	1231.97	1246.487
Total Emp As % of US	0.604	0.608	0.612	0.616	0.62	0.624
Priv Non-Farm Emp (Thous)	1055.95	1068.223	1081.089	1094.376	1107.775	1120.502
Priv Non-Farm Emp As % of US	0.638	0.642	0.647	0.651	0.655	0.658
GRP (Bil 92$)	63.319	64.444	65.637	66.859	68.102	69.315
Pers Inc (Bil Nom $)	168.668	177.321	186.737	196.588	206.912	217.412
Pers Inc As % of US	0.617	0.623	0.629	0.635	0.64	0.645
Disp Pers Inc (Bil Nom $)	146.67	154.226	162.453	171.063	180.086	189.258
PCE-Price Index 92$	268.85	275.879	283.116	290.538	298.131	305.927
Real Disp Pers Inc (Bil 92$)	54.555	55.904	57.38	58.878	60.405	61.864
Real Disp Pers Inc Per Cap (Thous 92$)	22.641	22.872	23.142	23.406	23.671	23.941
Population (Thous)	2409.506	2444.178	2479.538	2515.5	2551.838	2584.039
Pop As % of US	0.704	0.71	0.716	0.722	0.728	0.733

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Priv Non-Farm Emp (Thous)	644.816	677.671	704.11	715.614	728.744	743.921	758.866	773.052	787.075	799.063	808.49	819.751	831.878
Int Dem Emp (Thous)	119.967	127.399	129.815	131.169	133.167	135.627	137.979	140.149	142.301	144.16	145.905	147.399	149.022
Loc Consump Dem Emp (Thous)	154.614	166.757	173.691	178.416	182.617	187.824	193.323	198.44	203.353	208.005	211.057	214.962	219.016
Govt Dem Emp (Thous)	8.771	9.459	9.512	9.585	9.786	10.045	10.268	10.463	10.634	10.765	11.006	11.138	11.275
Inv Act Emp (Thous)	43.457	46.719	47.305	45.955	44.931	44.58	44.42	44.386	44.305	43.37	43.22	43.265	43.473
Exp to US/ROW Emp (Thous)	298.506	307.076	323.406	329.892	336.95	344.164	350.824	357.217	363.75	369.427	373.79	379.302	385.217
Exp - Multiregions Emp (Thous)	19.501	20.261	20.381	20.597	20.924	21.314	21.689	22.035	22.37	22.68	22.86	23.037	23.231
Exog Emp (Thous)	0	0	0	0	0.37	0.367	0.364	0.362	0.361	0.656	0.653	0.647	0.643
Rel Selling Prices	1.058	1.068	1.077	1.081	1.083	1.084	1.084	1.085	1.085	1.085	1.086	1.086	1.087
Rel Fact Input Costs	1.162	1.174	1.183	1.185	1.184	1.181	1.178	1.175	1.172	1.17	1.167	1.166	1.164
Rel Labor Costs	1.305	1.319	1.328	1.327	1.32	1.312	1.304	1.296	1.288	1.281	1.275	1.271	1.267
Rel Fuel Costs	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Rel Capital Costs	1.048	1.058	1.067	1.072	1.076	1.078	1.079	1.081	1.082	1.083	1.084	1.084	1.085
Rel Int Input Costs	1.023	1.031	1.037	1.04	1.04	1.039	1.038	1.038	1.037	1.035	1.035	1.035	1.035
Rel Prod Manuf	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994
Rel Prof Manuf	0.914	0.909	0.906	0.905	0.906	0.908	0.909	0.911	0.912	0.914	0.915	0.916	0.917
Labor Intensity	0.904	0.903	0.902	0.902	0.901	0.901	0.902	0.902	0.903	0.903	0.904	0.905	0.906
Mult Adjust	1.045	1.073	1.085	1.09	1.094	1.097	1.099	1.101	1.102	1.103	1.103	1.102	1.102
Priv Non-Farm Emp As % of US	0.495	0.512	0.527	0.529	0.528	0.529	0.531	0.534	0.537	0.539	0.543	0.547	0.551
Reg Pur Coeff (SS/Dem)	0.5	0.491	0.484	0.481	0.479	0.476	0.474	0.471	0.468	0.465	0.463	0.461	0.459
Ave Ann Wage Rate (Thous Nom $)	25.925	27.258	28.627	29.517	30.13	30.754	31.496	32.347	33.204	34.203	35.379	36.578	37.813
Indust Mix Index	1.093	1.093	1.094	1.093	1.093	1.092	1.091	1.09	1.09	1.09	1.089	1.088	1.087
Demand (Bil 92$)	50.187	55.547	58.204	59.895	61.608	63.558	65.444	67.466	69.557	71.318	73.057	74.986	77.019
Imports (Bil 92$)	25.074	28.293	30.015	31.059	32.121	33.303	34.417	35.677	37.007	38.183	39.243	40.432	41.681

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Priv Non-Farm Emp (Thous)	844.539	857.299	869.204	880.581	891.592	902.295	912.67	923.027	932.988	942.741	952.131	961.402	970.797
Int Dem Emp (Thous)	150.714	152.368	153.892	155.306	156.648	157.93	159.145	160.349	161.476	162.556	163.561	164.515	165.505
Loc Consump Dem Emp (Thous)	223.171	227.483	231.112	234.542	237.876	241.101	244.188	247.291	250.18	252.979	255.603	258.398	261.106
Govt Dem Emp (Thous)	11.396	11.519	11.611	11.689	11.765	11.818	11.86	11.898	11.909	11.927	11.919	11.921	11.925
Inv Act Emp (Thous)	43.819	44.359	44.659	44.981	45.294	45.617	45.948	46.317	46.688	47.064	47.443	48.002	48.434
Exp to US/ROW Emp (Thous)	391.359	397.581	403.742	409.697	415.491	421.182	426.768	432.309	437.764	443.126	448.384	453.526	458.656
Exp - Multiregions Emp (Thous)	23.442	23.667	23.871	24.05	24.203	24.334	24.447	24.553	24.663	24.783	24.916	25.04	25.172
Exog Emp (Thous)	0.638	0.32	0.318	0.317	0.315	0.313	0.312	0.31	0.308	0.307	0.305	0	0
Rel Selling Prices	1.087	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.089
Rel Fact Input Costs	1.163	1.162	1.16	1.158	1.156	1.154	1.152	1.15	1.148	1.147	1.146	1.145	1.144
Rel Labor Costs	1.263	1.26	1.256	1.252	1.247	1.243	1.239	1.235	1.232	1.229	1.226	1.224	1.222
Rel Fuel Costs	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Rel Capital Costs	1.086	1.087	1.087	1.087	1.087	1.087	1.087	1.088	1.088	1.088	1.088	1.088	1.089
Rel Int Input Costs	1.035	1.036	1.035	1.035	1.034	1.034	1.033	1.033	1.033	1.032	1.032	1.032	1.032
Rel Prod Manuf	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994
Rel Prof Manuf	0.918	0.919	0.919	0.92	0.922	0.923	0.923	0.924	0.925	0.926	0.927	0.927	0.927
Labor Intensity	0.907	0.907	0.908	0.909	0.91	0.911	0.912	0.913	0.914	0.915	0.916	0.917	0.918
Mult Adjust	1.101	1.101	1.1	1.099	1.098	1.097	1.097	1.096	1.095	1.094	1.093	1.093	1.092
Priv Non-Farm Emp As % of US	0.555	0.559	0.562	0.566	0.57	0.574	0.578	0.582	0.586	0.591	0.595	0.599	0.603
Reg Pur Coeff (SS/Dem)	0.457	0.455	0.453	0.451	0.449	0.448	0.446	0.445	0.444	0.443	0.441	0.44	0.439
Ave Ann Wage Rate (Thous Nom $)	39.066	40.367	41.671	43.004	44.418	45.89	47.431	49.063	50.736	52.513	54.346	56.292	58.372
Indust Mix Index	1.086	1.084	1.083	1.082	1.081	1.08	1.079	1.079	1.078	1.078	1.077	1.076	1.075
Demand (Bil 92$)	79.176	81.31	83.353	85.281	87.215	89.107	91.059	92.966	94.845	96.713	98.573	100.48	102.418
Imports (Bil 92$)	43.028	44.323	45.613	46.81	48.012	49.18	50.416	51.588	52.758	53.911	55.076	56.25	57.446

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Priv Non-Farm Emp (Thous)	980.358	990.158	1000	1010.149	1020.993	1032.342	1044.028	1055.95	1068.223	1081.089	1094.376
Int Dem Emp (Thous)	166.511	167.546	168.576	169.654	170.838	172.086	173.372	174.681	176.04	177.481	178.972
Loc Consump Dem Emp (Thous)	263.886	266.781	269.7	272.834	276.365	280.129	284.029	288.058	292.31	296.884	301.63
Govt Dem Emp (Thous)	11.909	11.9	11.878	11.858	11.868	11.85	11.842	11.824	11.814	11.825	11.814
Inv Act Emp (Thous)	48.916	49.451	50.025	50.707	51.433	52.213	53.024	53.887	54.809	55.721	56.649
Exp to US/ROW Emp (Thous)	463.835	469.049	474.267	479.419	484.683	490.113	495.651	501.22	506.781	512.505	518.443
Exp - Multiregions Emp (Thous)	25.302	25.43	25.554	25.677	25.806	25.952	26.109	26.28	26.47	26.672	26.868
Exog Emp (Thous)	0	0	0	0	0	0	0	0	0	0	0
Rel Selling Prices	1.089	1.09	1.091	1.092	1.093	1.094	1.095	1.096	1.098	1.099	1.101
Rel Fact Input Costs	1.144	1.144	1.144	1.144	1.145	1.145	1.146	1.147	1.148	1.149	1.15
Rel Labor Costs	1.221	1.22	1.219	1.218	1.219	1.219	1.22	1.22	1.221	1.222	1.223
Rel Fuel Costs	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Rel Capital Costs	1.089	1.09	1.091	1.091	1.092	1.093	1.095	1.096	1.097	1.098	1.099
Rel Int Input Costs	1.033	1.033	1.034	1.034	1.035	1.036	1.037	1.038	1.039	1.04	1.041
Rel Prod Manuf	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994
Rel Prof Manuf	0.927	0.928	0.928	0.928	0.927	0.927	0.927	0.926	0.926	0.926	0.925
Labor Intensity	0.919	0.92	0.921	0.922	0.923	0.924	0.924	0.925	0.926	0.927	0.927
Mult Adjust	1.091	1.091	1.09	1.09	1.089	1.089	1.088	1.088	1.087	1.087	1.086
Priv Non-Farm Emp As % of US	0.608	0.612	0.616	0.621	0.625	0.629	0.634	0.638	0.642	0.647	0.651
Reg Pur Coeff (SS/Dem)	0.438	0.437	0.436	0.435	0.434	0.433	0.432	0.431	0.43	0.429	0.428
Ave Ann Wage Rate (Thous Nom $)	60.513	62.763	65.084	67.509	70.135	72.814	75.599	78.452	81.434	84.614	87.856
Indust Mix Index	1.074	1.074	1.073	1.073	1.072	1.072	1.071	1.07	1.07	1.069	1.069
Demand (Bil 92$)	104.445	106.512	108.627	110.825	113.221	115.689	118.261	120.896	123.628	126.552	129.425
Imports (Bil 92$)	58.715	59.992	61.306	62.659	64.126	65.633	67.21	68.826	70.493	72.284	73.996

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	2034	2035
Priv Non-Farm Emp (Thous)	1107.775	1120.502
Int Dem Emp (Thous)	180.461	181.915
Loc Consump Dem Emp (Thous)	306.342	310.913
Govt Dem Emp (Thous)	11.815	11.803
Inv Act Emp (Thous)	57.518	58.308
Exp to US/ROW Emp (Thous)	524.591	530.355
Exp - Multiregions Emp (Thous)	27.048	27.208
Exog Emp (Thous)	0	0
Rel Selling Prices	1.102	1.103
Rel Fact Input Costs	1.151	1.152
Rel Labor Costs	1.223	1.224
Rel Fuel Costs	0.9	0.9
Rel Capital Costs	1.101	1.102
Rel Int Input Costs	1.042	1.043
Rel Prod Manuf	0.994	0.994
Rel Prof Manuf	0.925	0.925
Labor Intensity	0.928	0.929
Mult Adjust	1.086	1.085
Priv Non-Farm Emp As % of US	0.655	0.658
Reg Pur Coeff (SS/Dem)	0.427	0.426
Ave Ann Wage Rate (Thous Nom $)	91.218	94.652
Indust Mix Index	1.068	1.067
Demand (Bil 92$)	132.446	135.394
Imports (Bil 92$)	75.85	77.659

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Slf Suppl (Bil 92$)	25.113	27.254	28.189	28.836	29.486	30.254	31.027	31.79	32.55	33.136	33.814	34.553	35.338
Exp to US/ROW (Bil 92$)	21.789	22.414	23.336	23.884	24.488	25.033	25.517	26.016	26.536	26.961	27.464	28.008	28.582
Exp - Multiregions (Bil 92$)	1.509	1.565	1.579	1.613	1.653	1.693	1.732	1.771	1.81	1.846	1.879	1.915	1.953
Exog Prod (Bil 92$)	0	0	0	0	0.028	0.028	0.027	0.027	0.027	0.049	0.049	0.049	0.049
Output (Bil 92$)	48.411	51.232	53.104	54.333	55.655	57.008	58.303	59.604	60.923	61.992	63.206	64.525	65.922
Val-Add (Bil 92$)	28.383	30.199	31.466	32.298	33.181	34.088	34.963	35.843	36.737	37.472	38.218	39.022	39.872
Wag & Sal Disb (Bil Nom $)	16.717	18.472	20.157	21.123	21.957	22.879	23.901	25.006	26.134	27.33	28.604	29.985	31.455

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Slf Suppl (Bil 92$)	36.147	36.987	37.74	38.471	39.202	39.927	40.643	41.378	42.087	42.802	43.497	44.23	44.973
Exp to US/ROW (Bil 92$)	29.172	29.767	30.355	30.924	31.482	32.034	32.579	33.122	33.658	34.188	34.71	35.224	35.745
Exp - Multiregions (Bil 92$)	1.992	2.033	2.072	2.109	2.144	2.178	2.211	2.244	2.277	2.311	2.347	2.383	2.42
Exog Prod (Bil 92$)	0.049	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0	0
Output (Bil 92$)	67.361	68.812	70.192	71.529	72.854	74.164	75.458	76.769	78.047	79.327	80.579	81.837	83.137
Val-Add (Bil 92$)	40.744	41.624	42.459	43.269	44.073	44.867	45.652	46.447	47.221	47.997	48.756	49.519	50.308
Wag & Sal Disb (Bil Nom $)	32.993	34.607	36.22	37.869	39.603	41.407	43.289	45.286	47.336	49.506	51.745	54.12	56.667

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Slf Suppl (Bil 92$)	45.73	46.52	47.321	48.165	49.095	50.056	51.051	52.069	53.135	54.268	55.429
Exp to US/ROW (Bil 92$)	36.271	36.803	37.337	37.867	38.417	38.983	39.56	40.14	40.721	41.326	41.951
Exp - Multiregions (Bil 92$)	2.457	2.494	2.532	2.569	2.608	2.65	2.692	2.737	2.783	2.832	2.881
Exog Prod (Bil 92$)	0	0	0	0	0	0	0	0	0	0	0
Output (Bil 92$)	84.458	85.818	87.189	88.602	90.12	91.689	93.303	94.946	96.639	98.427	100.261
Val-Add (Bil 92$)	51.109	51.933	52.764	53.62	54.542	55.493	56.471	57.466	58.492	59.577	60.689
Wag & Sal Disb (Bil Nom $)	59.325	62.146	65.084	68.194	71.608	75.169	78.927	82.841	86.989	91.476	96.148

Control 1 - Levels

Primary:Summary Table for Private Non-Farm Sectors - REMI Standard U.S. Control

Variable	2034	2035
Slf Suppl (Bil 92$)	56.596	57.734
Exp to US/ROW (Bil 92$)	42.597	43.229
Exp - Multiregions (Bil 92$)	2.929	2.975
Exog Prod (Bil 92$)	0	0
Output (Bil 92$)	102.121	103.938
Val-Add (Bil 92$)	61.817	62.918
Wag & Sal Disb (Bil Nom $)	101.049	106.058

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Manufacturing	20.614	21.125	20.785	20.812	21.232	21.588	21.729	21.791	21.853	21.887	21.86	21.809
Manuf As % of US	0.107	0.112	0.113	0.113	0.113	0.113	0.114	0.115	0.116	0.116	0.116	0.117
Durables	11.482	11.709	11.483	11.498	11.799	12.058	12.156	12.196	12.231	12.255	12.243	12.207
Non-Durables	9.132	9.417	9.302	9.314	9.432	9.529	9.573	9.595	9.622	9.633	9.617	9.601
Non-Manufact	624.202	656.546	683.325	694.801	707.513	722.334	737.138	751.261	765.222	777.176	786.63	797.942
Non-Manuf As % of US	0.562	0.579	0.593	0.594	0.593	0.593	0.595	0.597	0.599	0.601	0.604	0.608
Mining	1.386	1.688	1.643	1.666	1.705	1.706	1.693	1.681	1.668	1.673	1.629	1.587
Construction	72.02	77.356	77.148	76.13	76.123	76.694	77.447	78.123	78.668	79.181	79.49	79.719
Trans/Pub Util	33.671	35.916	36.379	36.713	37.21	37.837	38.379	38.858	39.339	39.756	40.201	40.701
Fin/Ins/Real Est	50.693	56.201	57.11	57.554	58.068	58.831	59.635	60.409	61.201	61.842	61.903	62.112
Retail Trade	115.746	123.064	124.661	126.143	128.509	131.123	133.58	135.637	137.436	138.371	139.116	140.89
Wholesale Trade	21.777	23.33	23.634	23.823	24.241	24.807	25.274	25.69	26.128	26.546	26.888	27.264
Services	321.657	331.74	355.427	365.463	374.312	383.908	393.619	403.272	413.12	422.082	429.545	437.661
Agri/For/Fish Serv	7.251	7.251	7.323	7.309	7.344	7.427	7.511	7.591	7.662	7.725	7.86	8.007
Total Government	66.927	70.018	72.174	74.634	75.675	77.69	79.636	81.549	83.402	84.422	86.14	87.834
Total Govt As % of US	0.306	0.317	0.325	0.332	0.334	0.34	0.345	0.35	0.355	0.356	0.361	0.365
State & Local	49.167	51.596	53.733	56.052	56.998	58.908	60.759	62.565	64.323	65.251	66.809	68.359
Federal Civilian	8.031	8.33	8.252	8.252	8.224	8.199	8.172	8.146	8.119	8.091	8.162	8.227
Federal Mil	9.729	10.092	10.189	10.329	10.453	10.583	10.705	10.838	10.96	11.08	11.169	11.247
Farm	0.324	0.324	0.321	0.317	0.313	0.309	0.305	0.302	0.298	0.294	0.291	0.289
Farm As % of US	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Total Employment	712.067	748.013	776.605	790.564	804.732	821.92	838.808	854.903	870.774	883.779	894.922	907.873
Total Emp As % of US	0.46	0.476	0.49	0.492	0.492	0.494	0.497	0.501	0.504	0.507	0.51	0.514
Population	1108.549	1173.043	1238.141	1300.157	1356.498	1408.864	1458.494	1505.77	1550.737	1593.486	1634.576	1674.895

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Manufacturing	21.786	21.783	21.773	21.765	21.733	21.682	21.616	21.539	21.447	21.354	21.248	21.135
Manuf As % of US	0.117	0.117	0.117	0.117	0.117	0.117	0.117	0.118	0.118	0.118	0.119	0.119
Durables	12.19	12.185	12.173	12.165	12.14	12.101	12.054	11.998	11.933	11.867	11.792	11.71
Non-Durables	9.596	9.598	9.6	9.6	9.594	9.581	9.562	9.541	9.514	9.487	9.456	9.426
Non-Manufact	810.092	822.757	835.526	847.44	858.848	869.91	880.679	891.131	901.579	911.634	921.493	930.996
Non-Manuf As % of US	0.612	0.616	0.62	0.623	0.627	0.631	0.635	0.638	0.642	0.646	0.65	0.654
Mining	1.548	1.511	1.475	1.44	1.404	1.368	1.332	1.296	1.26	1.225	1.191	1.158
Construction	80.16	80.749	81.411	81.951	82.491	82.995	83.461	83.91	84.377	84.815	85.266	85.688
Trans/Pub Util	41.242	41.808	42.375	42.904	43.402	43.872	44.322	44.752	45.174	45.574	45.96	46.328
Fin/Ins/Real Est	62.376	62.663	62.949	63.161	63.325	63.474	63.601	63.708	63.822	63.901	63.981	64.033
Retail Trade	142.769	144.717	146.642	148.244	149.708	151.067	152.329	153.488	154.619	155.622	156.562	157.395
Wholesale Trade	27.656	28.052	28.435	28.79	29.104	29.382	29.637	29.855	30.061	30.242	30.394	30.52
Services	446.174	454.923	463.734	472.284	480.591	488.77	496.857	504.825	512.809	520.639	528.367	535.944
Agri/For/Fish Serv	8.166	8.333	8.504	8.665	8.824	8.982	9.14	9.297	9.457	9.615	9.773	9.929
Total Government	89.531	91.151	93.663	95.052	96.368	97.645	98.826	99.973	101.054	102.095	103.137	104.124
Total Govt As % of US	0.369	0.373	0.381	0.384	0.388	0.391	0.394	0.397	0.4	0.403	0.405	0.408
State & Local	69.914	71.409	73.802	75.104	76.349	77.559	78.687	79.787	80.83	81.844	82.857	83.83
Federal Civilian	8.289	8.342	8.391	8.422	8.448	8.47	8.484	8.496	8.5	8.503	8.505	8.502
Federal Mil	11.327	11.4	11.47	11.526	11.571	11.616	11.655	11.69	11.724	11.748	11.774	11.793
Farm	0.286	0.283	0.279	0.276	0.274	0.271	0.268	0.266	0.263	0.261	0.258	0.256
Farm As % of US	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Total Employment	921.694	935.973	951.242	964.532	977.224	989.508	1001.39	1012.909	1024.344	1035.344	1046.136	1056.511
Total Emp As % of US	0.518	0.522	0.527	0.531	0.535	0.538	0.542	0.546	0.55	0.554	0.558	0.562
Population	1714.635	1753.681	1792.125	1829.479	1865.342	1899.932	1933.431	1966.044	1997.983	2029.317	2060.185	2090.665

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Manufacturing	21.011	20.885	20.764	20.642	20.519	20.399	20.281	20.171	20.065	19.969	19.873	19.781
Manuf As % of US	0.119	0.12	0.12	0.121	0.121	0.121	0.122	0.122	0.122	0.122	0.123	0.123
Durables	11.625	11.532	11.444	11.353	11.263	11.177	11.086	11.001	10.916	10.837	10.76	10.682
Non-Durables	9.386	9.352	9.32	9.289	9.256	9.222	9.194	9.17	9.149	9.131	9.113	9.1
Non-Manufact	940.391	949.913	959.594	969.516	979.481	989.75	1000.713	1012.171	1023.963	1035.981	1048.35	1061.308
Non-Manuf As % of US	0.658	0.662	0.666	0.67	0.674	0.678	0.682	0.686	0.69	0.694	0.698	0.703
Mining	1.124	1.092	1.06	1.03	1.002	0.973	0.946	0.92	0.895	0.871	0.849	0.825
Construction	86.158	86.634	87.141	87.719	88.325	89.041	89.835	90.665	91.567	92.518	93.544	94.596
Trans/Pub Util	46.683	47.046	47.411	47.787	48.164	48.55	48.966	49.406	49.863	50.333	50.814	51.327
Fin/Ins/Real Est	64.088	64.173	64.269	64.393	64.521	64.67	64.898	65.154	65.438	65.732	66.054	66.438
Retail Trade	158.222	159.054	159.909	160.816	161.729	162.758	163.959	165.254	166.618	168.042	169.575	171.227
Wholesale Trade	30.63	30.723	30.817	30.9	30.977	31.059	31.142	31.232	31.313	31.394	31.484	31.568
Services	543.399	550.939	558.569	566.28	573.996	581.748	589.816	598.183	606.7	615.302	624.012	633.066
Agri/For/Fish Serv	10.087	10.25	10.418	10.591	10.767	10.952	11.151	11.357	11.57	11.79	12.019	12.26
Total Government	105.947	106.971	108.039	109.159	110.287	111.479	112.795	114.186	115.652	117.177	118.766	120.446
Total Govt As % of US	0.413	0.416	0.419	0.421	0.424	0.426	0.429	0.432	0.435	0.438	0.44	0.444
State & Local	85.636	86.638	87.682	88.773	89.875	91.041	92.308	93.647	95.056	96.522	98.05	99.654
Federal Civilian	8.501	8.497	8.497	8.499	8.5	8.503	8.51	8.521	8.535	8.552	8.569	8.586
Federal Mil	11.81	11.836	11.86	11.887	11.912	11.935	11.978	12.017	12.061	12.103	12.147	12.206
Farm	0.253	0.25	0.247	0.245	0.242	0.24	0.238	0.235	0.233	0.231	0.228	0.226
Farm As % of US	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
Total Employment	1067.602	1078.019	1088.645	1099.563	1110.529	1121.868	1134.026	1146.763	1159.913	1173.358	1187.217	1201.761
Total Emp As % of US	0.567	0.571	0.575	0.579	0.583	0.587	0.591	0.596	0.6	0.604	0.608	0.612
Population	2121.157	2151.771	2182.467	2213.387	2244.583	2276.234	2308.604	2341.687	2375.351	2409.506	2444.178	2479.538

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	2033	2034	2035
Manufacturing	19.694	19.616	19.54
Manuf As % of US	0.123	0.123	0.124
Durables	10.608	10.539	10.472
Non-Durables	9.087	9.077	9.068
Non-Manufact	1074.682	1088.159	1100.963
Non-Manuf As % of US	0.706	0.71	0.713
Mining	0.804	0.784	0.764
Construction	95.65	96.688	97.691
Trans/Pub Util	51.858	52.396	52.928
Fin/Ins/Real Est	66.84	67.254	67.645
Retail Trade	172.93	174.586	176.16
Wholesale Trade	31.664	31.746	31.829
Services	642.429	651.948	660.94
Agri/For/Fish Serv	12.507	12.756	13.004
Total Government	122.192	123.974	125.765
Total Govt As % of US	0.447	0.45	0.453
State & Local	101.323	103.022	104.738
Federal Civilian	8.605	8.625	8.643
Federal Mil	12.264	12.327	12.384
Farm	0.224	0.222	0.22
Farm As % of US	0.011	0.011	0.011
Total Employment	1216.792	1231.97	1246.487
Total Emp As % of US	0.616	0.62	0.624
Population	2515.5	2551.838	2584.039

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Pop As % of US	0.414	0.435	0.455	0.474	0.49	0.505	0.519	0.532	0.543	0.554	0.564	0.573

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Pop As % of US	0.582	0.591	0.599	0.607	0.614	0.62	0.627	0.632	0.638	0.643	0.648	0.653

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Pop As % of US	0.658	0.663	0.667	0.672	0.677	0.682	0.687	0.693	0.698	0.704	0.71	0.716

Control 1 - Levels

Primary:Employment Table (Thous) - REMI Standard U.S. Control

Variable	2033	2034	2035
Pop As % of US	0.722	0.728	0.733

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Wag & Sal Disbur	18.879	20.859	22.738	23.882	24.824	25.894	27.078	28.357	29.663	31.018	32.505	34.106
Propr & Other Lab Inc	3.999	4.3	4.544	4.8	5.041	5.315	5.617	5.942	6.276	6.622	6.994	7.387
Tot Lab & Propr Inc	22.878	25.158	27.282	28.682	29.865	31.209	32.695	34.299	35.939	37.641	39.499	41.493
Tot Lab & Propr Inc As % of US	0.475	0.496	0.515	0.517	0.514	0.512	0.513	0.514	0.514	0.514	0.516	0.519
Soc Ins Contrib	1.367	1.5	1.625	1.711	1.783	1.864	1.953	2.05	2.148	2.25	2.362	2.482
Net Resid Adj	-0.537	-0.604	-0.666	-0.7	-0.727	-0.759	-0.795	-0.834	-0.873	-0.914	-0.958	-1.006
Div/Int/Rent	4.91	5.371	5.942	6.429	6.924	7.433	7.953	8.495	9.05	9.623	10.208	10.796
Transf Paym	4.172	4.612	5.138	5.715	6.323	6.948	7.586	8.255	8.949	9.669	10.395	11.112
Personal Income	30.056	33.038	36.072	38.415	40.602	42.968	45.486	48.165	50.917	53.769	56.782	59.913
Pers Inc As % of US	0.438	0.459	0.477	0.486	0.491	0.496	0.502	0.508	0.514	0.519	0.525	0.53
Taxes	4.534	4.94	5.163	5.447	5.699	5.978	6.279	6.602	6.931	7.273	7.639	8.026
Dispos Pers Inc	25.522	28.097	30.909	32.968	34.903	36.99	39.207	41.564	43.985	46.496	49.143	51.887
PCE-Price Index 92$	117.886	120.9	124.682	128.058	131.241	134.434	137.69	141.027	144.448	147.947	151.601	155.398
Real Disp Pers Inc (Bil 92$)	21.65	23.24	24.79	25.744	26.595	27.515	28.475	29.472	30.451	31.428	32.416	33.39
Real Disp Pers Inc As % of US	0.416	0.432	0.447	0.454	0.46	0.466	0.473	0.479	0.485	0.491	0.497	0.502
Real Disp Pers Inc Per Cap (Thous 92$)	19.53	19.812	20.022	19.801	19.605	19.53	19.523	19.573	19.636	19.723	19.831	19.935
Manuf Labor & Prop Inc	0.769	0.827	0.847	0.874	0.912	0.948	0.977	1.005	1.034	1.066	1.1	1.133
Dur Lab & Prop Inc	0.553	0.591	0.605	0.624	0.653	0.681	0.702	0.723	0.743	0.766	0.791	0.813
Non-Dur Lab & Prop Inc	0.216	0.235	0.243	0.25	0.259	0.267	0.275	0.283	0.291	0.3	0.31	0.32
Non-Manuf Lab & Prop Inc	19.548	21.52	23.407	24.569	25.584	26.713	27.976	29.341	30.738	32.217	33.783	35.479
Mining Lab & Prop Inc	0.032	0.041	0.042	0.044	0.047	0.048	0.049	0.05	0.051	0.053	0.053	0.054
Const Lab & Prop Inc	3.02	3.441	3.607	3.691	3.792	3.924	4.079	4.245	4.404	4.578	4.763	4.948
Trans/Pub Util Lab & Prop Inc	1.326	1.485	1.567	1.629	1.686	1.75	1.819	1.891	1.965	2.045	2.138	2.235
Fin/Ins/Real Est Lab & Prop Inc	1.83	2.073	2.179	2.259	2.323	2.399	2.488	2.585	2.684	2.789	2.891	3.002

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Wag & Sal Disbur	35.805	37.576	39.479	41.331	43.221	45.21	47.274	49.429	51.711	54.051	56.531	59.088
Propr & Other Lab Inc	7.801	8.23	8.687	9.139	9.605	10.098	10.61	11.143	11.706	12.282	12.89	13.515
Tot Lab & Propr Inc	43.606	45.805	48.166	50.469	52.826	55.307	57.884	60.572	63.416	66.333	69.421	72.602
Tot Lab & Propr Inc As % of US	0.521	0.524	0.528	0.531	0.533	0.535	0.538	0.541	0.544	0.547	0.55	0.553
Soc Ins Contrib	2.61	2.743	2.886	3.025	3.167	3.317	3.472	3.634	3.806	3.982	4.168	4.36
Net Resid Adj	-1.057	-1.11	-1.167	-1.223	-1.28	-1.34	-1.403	-1.468	-1.538	-1.61	-1.686	-1.764
Div/Int/Rent	11.411	12.048	12.706	13.34	13.982	14.645	15.321	16.009	16.725	17.438	18.178	18.922
Transf Paym	11.865	12.647	13.451	14.2	14.957	15.736	16.521	17.315	18.139	18.945	19.778	20.603
Personal Income	63.216	66.648	70.271	73.761	77.318	81.032	84.851	88.794	92.936	97.125	101.524	106.003
Pers Inc As % of US	0.536	0.541	0.547	0.551	0.554	0.558	0.561	0.565	0.568	0.571	0.574	0.576
Taxes	8.435	8.86	9.312	9.75	10.199	10.668	11.154	11.658	12.189	12.73	13.301	13.885
Dispos Pers Inc	54.781	57.788	60.959	64.011	67.119	70.363	73.697	77.136	80.747	84.395	88.224	92.118
PCE-Price Index 92$	159.31	163.322	167.449	171.616	175.845	180.166	184.587	189.126	193.794	198.585	203.519	208.59
Real Disp Pers Inc (Bil 92$)	34.386	35.383	36.404	37.299	38.17	39.055	39.926	40.786	41.667	42.498	43.349	44.162
Real Disp Pers Inc As % of US	0.508	0.513	0.519	0.523	0.527	0.53	0.534	0.538	0.541	0.544	0.547	0.55
Real Disp Pers Inc Per Cap (Thous 92$)	20.055	20.176	20.314	20.388	20.463	20.556	20.65	20.745	20.854	20.942	21.041	21.124
Manuf Labor & Prop Inc	1.169	1.206	1.243	1.28	1.317	1.355	1.393	1.432	1.472	1.512	1.554	1.596
Dur Lab & Prop Inc	0.838	0.863	0.889	0.915	0.94	0.965	0.991	1.017	1.044	1.071	1.099	1.126
Non-Dur Lab & Prop Inc	0.331	0.342	0.354	0.366	0.378	0.39	0.402	0.415	0.428	0.441	0.456	0.47
Non-Manuf Lab & Prop Inc	37.28	39.163	41.137	43.116	45.143	47.278	49.5	51.82	54.28	56.803	59.475	62.23
Mining Lab & Prop Inc	0.054	0.055	0.055	0.055	0.056	0.056	0.056	0.056	0.056	0.057	0.057	0.057
Const Lab & Prop Inc	5.152	5.369	5.599	5.823	6.054	6.296	6.546	6.807	7.084	7.368	7.669	7.979
Trans/Pub Util Lab & Prop Inc	2.337	2.444	2.555	2.665	2.777	2.895	3.016	3.141	3.273	3.407	3.549	3.694
Fin/Ins/Real Est Lab & Prop Inc	3.119	3.24	3.365	3.488	3.612	3.742	3.876	4.016	4.163	4.311	4.469	4.629

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Wag & Sal Disbur	61.861	64.775	67.815	71.044	74.407	77.971	81.884	85.969	90.284	94.781	99.551	104.712
Propr & Other Lab Inc	14.183	14.883	15.611	16.379	17.176	18.016	18.93	19.88	20.881	21.924	23.027	24.216
Tot Lab & Propr Inc	76.045	79.658	83.426	87.423	91.584	95.986	100.814	105.849	111.165	116.705	122.578	128.928
Tot Lab & Propr Inc As % of US	0.557	0.561	0.565	0.569	0.573	0.577	0.582	0.586	0.591	0.596	0.6	0.605
Soc Ins Contrib	4.569	4.788	5.017	5.259	5.512	5.781	6.075	6.382	6.707	7.045	7.404	7.793
Net Resid Adj	-1.85	-1.939	-2.032	-2.131	-2.234	-2.344	-2.464	-2.59	-2.722	-2.859	-3.005	-3.163
Div/Int/Rent	19.703	20.532	21.39	22.305	23.256	24.283	25.431	26.642	27.937	29.31	30.798	32.426
Transf Paym	21.47	22.395	23.354	24.383	25.455	26.631	27.97	29.391	30.921	32.558	34.355	36.338
Personal Income	110.8	115.858	121.121	126.721	132.547	138.777	145.676	152.91	160.594	168.668	177.321	186.737
Pers Inc As % of US	0.58	0.583	0.586	0.59	0.593	0.597	0.602	0.607	0.612	0.617	0.623	0.629
Taxes	14.514	15.175	15.864	16.595	17.356	18.164	19.054	19.984	20.968	21.998	23.095	24.284
Dispos Pers Inc	96.286	100.683	105.257	110.126	115.192	120.613	126.623	132.927	139.626	146.67	154.226	162.453
PCE-Price Index 92$	213.848	219.258	224.828	230.568	236.473	242.567	248.867	255.349	262.011	268.85	275.879	283.116
Real Disp Pers Inc (Bil 92$)	45.025	45.92	46.817	47.763	48.712	49.723	50.88	52.057	53.29	54.555	55.904	57.38
Real Disp Pers Inc As % of US	0.553	0.556	0.559	0.562	0.565	0.569	0.573	0.577	0.581	0.586	0.591	0.596
Real Disp Pers Inc Per Cap (Thous 92$)	21.227	21.34	21.451	21.579	21.702	21.845	22.039	22.23	22.435	22.641	22.872	23.142
Manuf Labor & Prop Inc	1.64	1.686	1.733	1.782	1.832	1.884	1.94	1.997	2.056	2.117	2.18	2.247
Dur Lab & Prop Inc	1.155	1.185	1.216	1.247	1.28	1.313	1.349	1.386	1.424	1.462	1.503	1.545
Non-Dur Lab & Prop Inc	0.485	0.501	0.517	0.534	0.552	0.57	0.59	0.611	0.632	0.655	0.678	0.702
Non-Manuf Lab & Prop Inc	65.147	68.273	71.532	74.989	78.587	82.393	86.563	90.912	95.5	100.279	105.343	110.816
Mining Lab & Prop Inc	0.057	0.057	0.058	0.058	0.058	0.058	0.059	0.059	0.06	0.06	0.06	0.061
Const Lab & Prop Inc	8.312	8.668	9.039	9.437	9.854	10.304	10.8	11.316	11.865	12.441	13.058	13.721
Trans/Pub Util Lab & Prop Inc	3.847	4.011	4.18	4.36	4.545	4.741	4.955	5.177	5.411	5.653	5.909	6.186
Fin/Ins/Real Est Lab & Prop Inc	4.798	4.98	5.168	5.368	5.574	5.79	6.031	6.28	6.541	6.81	7.096	7.406

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	2033	2034	2035
Wag & Sal Disbur	110.088	115.731	121.511
Propr & Other Lab Inc	25.453	26.754	28.079
Tot Lab & Propr Inc	135.542	142.485	149.59
Tot Lab & Propr Inc As % of US	0.61	0.614	0.618
Soc Ins Contrib	8.198	8.623	9.058
Net Resid Adj	-3.327	-3.499	-3.674
Div/Int/Rent	34.139	35.932	37.738
Transf Paym	38.431	40.617	42.817
Personal Income	196.588	206.912	217.412
Pers Inc As % of US	0.635	0.64	0.645
Taxes	25.525	26.827	28.154
Dispos Pers Inc	171.063	180.086	189.258
PCE-Price Index 92$	290.538	298.131	305.927
Real Disp Pers Inc (Bil 92$)	58.878	60.405	61.864
Real Disp Pers Inc As % of US	0.601	0.606	0.61
Real Disp Pers Inc Per Cap (Thous 92$)	23.406	23.671	23.941
Manuf Labor & Prop Inc	2.316	2.387	2.459
Dur Lab & Prop Inc	1.588	1.633	1.678
Non-Dur Lab & Prop Inc	0.728	0.754	0.781
Non-Manuf Lab & Prop Inc	116.516	122.497	128.607
Mining Lab & Prop Inc	0.061	0.062	0.062
Const Lab & Prop Inc	14.406	15.119	15.852
Trans/Pub Util Lab & Prop Inc	6.473	6.772	7.078
Fin/Ins/Real Est Lab & Prop Inc	7.726	8.06	8.399

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Ret Trade Lab & Prop Inc	2.269	2.518	2.649	2.756	2.862	2.974	3.095	3.218	3.338	3.45	3.578	3.738
Wholes Trade Lab & Prop Inc	0.841	0.942	0.994	1.032	1.071	1.117	1.163	1.213	1.264	1.32	1.381	1.445
Servic Lab & Prop Inc	10.089	10.874	12.214	12.998	13.642	14.335	15.11	15.96	16.846	17.789	18.776	19.843
Agri/For/Fish Serv Lab & Prop Inc	0.14	0.146	0.154	0.158	0.162	0.167	0.173	0.18	0.186	0.193	0.203	0.214
Total Govt Lab & Prop Inc	2.555	2.807	3.023	3.234	3.363	3.543	3.737	3.947	4.161	4.353	4.609	4.874
State & Local Lab & Prop Inc	1.895	2.09	2.277	2.457	2.563	2.716	2.882	3.06	3.242	3.398	3.608	3.827
Fed Civil Lab & Prop Inc	0.405	0.442	0.458	0.475	0.487	0.499	0.513	0.529	0.545	0.562	0.59	0.617
Fed Mil Lab & Prop Inc	0.256	0.275	0.288	0.302	0.314	0.327	0.342	0.358	0.374	0.392	0.411	0.43
Farm Lab & Prop Inc	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Ret Trade Lab & Prop Inc	3.906	4.081	4.263	4.438	4.615	4.799	4.988	5.183	5.388	5.593	5.809	6.028
Wholes Trade Lab & Prop Inc	1.513	1.582	1.654	1.726	1.797	1.871	1.947	2.023	2.104	2.185	2.269	2.354
Servic Lab & Prop Inc	20.974	22.155	23.396	24.658	25.957	27.33	28.768	30.275	31.876	33.53	35.283	37.1
Agri/For/Fish Serv Lab & Prop Inc	0.225	0.237	0.249	0.262	0.275	0.289	0.304	0.319	0.335	0.352	0.37	0.389
Total Govt Lab & Prop Inc	5.15	5.431	5.78	6.067	6.359	6.667	6.983	7.313	7.657	8.009	8.384	8.768
State & Local Lab & Prop Inc	4.055	4.288	4.588	4.827	5.072	5.329	5.593	5.869	6.158	6.454	6.769	7.093
Fed Civil Lab & Prop Inc	0.646	0.674	0.703	0.731	0.759	0.788	0.818	0.848	0.88	0.912	0.946	0.981
Fed Mil Lab & Prop Inc	0.449	0.469	0.489	0.509	0.529	0.55	0.572	0.595	0.619	0.643	0.668	0.694
Farm Lab & Prop Inc	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Ret Trade Lab & Prop Inc	6.259	6.507	6.762	7.033	7.313	7.61	7.941	8.282	8.642	9.015	9.412	9.842
Wholes Trade Lab & Prop Inc	2.443	2.536	2.633	2.733	2.836	2.944	3.061	3.181	3.305	3.432	3.565	3.707
Servic Lab & Prop Inc	39.022	41.084	43.239	45.523	47.905	50.416	53.158	56.027	59.054	62.209	65.547	69.157
Agri/For/Fish Serv Lab & Prop Inc	0.408	0.43	0.452	0.477	0.502	0.529	0.558	0.59	0.623	0.658	0.695	0.736
Total Govt Lab & Prop Inc	9.249	9.69	10.152	10.643	11.155	11.7	12.301	12.93	13.598	14.298	15.044	15.852
State & Local Lab & Prop Inc	7.511	7.884	8.276	8.694	9.13	9.596	10.11	10.65	11.225	11.829	12.474	13.174
Fed Civil Lab & Prop Inc	1.018	1.056	1.097	1.139	1.183	1.229	1.279	1.331	1.385	1.441	1.5	1.563
Fed Mil Lab & Prop Inc	0.721	0.75	0.779	0.81	0.842	0.875	0.912	0.949	0.988	1.027	1.069	1.115
Farm Lab & Prop Inc	0.009	0.009	0.009	0.009	0.01	0.01	0.01	0.011	0.011	0.011	0.011	0.012

Control 1 - Levels

Primary:Personal Income Table (Bil Nom $) - REMI Standard U.S. Control

Variable	2033	2034	2035
Ret Trade Lab & Prop Inc	10.285	10.744	11.207
Wholes Trade Lab & Prop Inc	3.853	4.003	4.155
Servic Lab & Prop Inc	72.935	76.915	80.985
Agri/For/Fish Serv Lab & Prop Inc	0.778	0.823	0.869
Total Govt Lab & Prop Inc	16.697	17.588	18.512
State & Local Lab & Prop Inc	13.908	14.682	15.487
Fed Civil Lab & Prop Inc	1.627	1.695	1.763
Fed Mil Lab & Prop Inc	1.162	1.211	1.261
Farm Lab & Prop Inc	0.012	0.012	0.013

Control 1 - Levels

Primary:GRP By Final Demand Table (Bil 92$) - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total GRP	31.4	33.352	34.703	35.634	36.562	37.552	38.507	39.466	40.438	41.218	42.058	42.956	43.902	44.869	45.881	46.805
Total Consump	19.448	21.546	22.787	23.808	24.819	25.977	27.166	28.341	29.574	30.624	31.567	32.53	33.524	34.552	35.569	36.501
Vehicles and Parts	0.833	0.935	0.994	1.018	1.037	1.074	1.105	1.132	1.171	1.203	1.221	1.24	1.26	1.296	1.317	1.349
Furn & Hsehld Eq	1.134	1.378	1.552	1.931	2.331	2.756	3.203	3.659	4.184	4.591	4.929	5.265	5.607	5.95	6.288	6.6
Other Durables	0.499	0.55	0.587	0.597	0.607	0.62	0.634	0.648	0.66	0.676	0.692	0.708	0.725	0.743	0.761	0.776
Food & Beverages	2.815	2.969	3.103	3.186	3.247	3.323	3.403	3.481	3.556	3.63	3.686	3.747	3.813	3.882	3.956	4.016
Clothing & Shoes	0.994	1.111	1.144	1.193	1.232	1.277	1.326	1.375	1.422	1.473	1.513	1.551	1.591	1.638	1.675	1.715
Gasoline & Oil	0.471	0.511	0.543	0.561	0.579	0.594	0.613	0.634	0.655	0.68	0.693	0.719	0.746	0.774	0.803	0.831
Fuel Oil & Coal	0.014	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Oth Non-Durbls	1.238	1.452	1.547	1.614	1.685	1.75	1.811	1.867	1.917	1.968	2.027	2.081	2.135	2.189	2.24	2.29
Housing	3.646	4.135	4.369	4.527	4.679	4.845	5.006	5.158	5.305	5.427	5.551	5.675	5.801	5.927	6.052	6.169
Hsehld Operat	1.02	1.164	1.237	1.279	1.323	1.38	1.439	1.499	1.558	1.613	1.662	1.713	1.766	1.82	1.876	1.924
Transportation	0.803	0.859	0.9	0.917	0.936	0.963	0.991	1.02	1.048	1.072	1.095	1.121	1.147	1.175	1.204	1.228
Medical Care	2.771	2.886	3.029	3.122	3.216	3.329	3.44	3.549	3.656	3.745	3.848	3.95	4.056	4.16	4.273	4.374
Other Services	3.21	3.581	3.766	3.848	3.931	4.052	4.179	4.304	4.427	4.531	4.636	4.746	4.863	4.983	5.109	5.215
Total Fixed Invest	8.992	10.348	11.224	11.326	11.426	11.62	11.751	12.043	12.353	12.64	12.866	13.207	13.591	14.045	14.499	14.961
Residential	2.226	2.409	2.394	2.392	2.382	2.393	2.408	2.42	2.431	2.432	2.429	2.436	2.45	2.471	2.504	2.51
Non-Residential	1.643	1.821	1.892	1.871	1.835	1.825	1.833	1.839	1.842	1.843	1.846	1.871	1.902	1.94	1.986	2.029
Produc Dur Equip	5.122	6.118	6.938	7.063	7.209	7.403	7.51	7.784	8.08	8.365	8.59	8.9	9.238	9.634	10.009	10.422
CBI net IVA+MISC	0.111	0.081	0.068	0.07	0.072	0.074	0.076	0.079	0.081	0.048	0.048	0.049	0.049	0.049	0.049	0.049
GRPVA-GRPFD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Government	4.496	4.879	5.024	5.258	5.395	5.598	5.793	5.981	6.163	6.29	6.485	6.679	6.874	7.072	7.321	7.505
Federal Mil	1.321	1.354	1.332	1.316	1.295	1.276	1.256	1.233	1.208	1.182	1.208	1.232	1.256	1.281	1.304	1.326
Federal Civilian	0.442	0.45	0.439	0.44	0.438	0.436	0.434	0.432	0.429	0.426	0.422	0.417	0.413	0.41	0.407	0.403

Control 1 - Levels

Primary:GRP By Final Demand Table (Bil 92$) - REMI Standard U.S. Control

Variable	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Total GRP	47.699	48.586	49.462	50.325	51.2	52.049	52.901	53.732	54.602	55.469	56.347	57.251	58.162	59.098	60.112	61.155
Total Consump	37.379	38.273	39.128	39.992	40.841	41.65	42.456	43.247	44.055	44.882	45.749	46.625	47.52	48.449	49.516	50.59
Vehicles and Parts	1.364	1.381	1.398	1.432	1.451	1.469	1.489	1.507	1.529	1.551	1.575	1.601	1.628	1.657	1.692	1.729
Furn & Hsehld Eq	6.896	7.186	7.464	7.741	8.008	8.263	8.509	8.744	8.983	9.216	9.45	9.689	9.922	10.167	10.432	10.701
Other Durables	0.791	0.806	0.821	0.836	0.85	0.865	0.879	0.893	0.907	0.922	0.938	0.954	0.971	0.988	1.009	1.03
Food & Beverages	4.074	4.133	4.192	4.25	4.312	4.37	4.43	4.487	4.549	4.614	4.681	4.753	4.828	4.91	5.005	5.105
Clothing & Shoes	1.751	1.789	1.823	1.858	1.89	1.922	1.949	1.994	2.019	2.048	2.091	2.121	2.167	2.195	2.25	2.282
Gasoline & Oil	0.859	0.889	0.921	0.954	0.99	1.025	1.062	1.099	1.139	1.18	1.224	1.271	1.32	1.373	1.432	1.494
Fuel Oil & Coal	0.015	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.019
Oth Non-Durbls	2.336	2.396	2.44	2.483	2.525	2.566	2.608	2.648	2.689	2.734	2.796	2.844	2.892	2.943	3	3.06
Housing	6.278	6.388	6.495	6.599	6.705	6.807	6.911	7.011	7.114	7.226	7.339	7.459	7.581	7.708	7.853	8.002
Hsehld Operat	1.972	2.019	2.065	2.111	2.157	2.2	2.243	2.284	2.327	2.371	2.414	2.461	2.507	2.557	2.613	2.67
Transportation	1.251	1.275	1.299	1.322	1.346	1.369	1.391	1.413	1.436	1.46	1.484	1.509	1.535	1.563	1.595	1.628
Medical Care	4.473	4.572	4.668	4.762	4.858	4.949	5.042	5.13	5.225	5.32	5.414	5.512	5.608	5.707	5.819	5.932
Other Services	5.319	5.424	5.527	5.628	5.732	5.829	5.928	6.021	6.123	6.223	6.326	6.435	6.544	6.663	6.798	6.939
Total Fixed Invest	15.392	15.818	16.249	16.729	17.184	17.654	18.122	18.602	19.117	19.615	20.145	20.69	21.254	21.848	22.449	23.089
Residential	2.515	2.521	2.528	2.534	2.545	2.553	2.562	2.57	2.594	2.611	2.632	2.661	2.693	2.738	2.793	2.856
Non-Residential	2.073	2.117	2.162	2.209	2.258	2.31	2.362	2.417	2.48	2.537	2.599	2.662	2.729	2.799	2.869	2.944
Produc Dur Equip	10.803	11.18	11.559	11.986	12.381	12.792	13.198	13.615	14.043	14.466	14.914	15.367	15.832	16.311	16.787	17.289
CBI net IVA+MISC	0.049	0.049	0.049	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.051	0.051	0.051	0.051	0.051	0.051
GRPVA-GRPFD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Government	7.672	7.837	7.997	8.16	8.314	8.463	8.613	8.756	8.958	9.111	9.268	9.428	9.588	9.752	9.934	10.121
Federal Mil	1.347	1.368	1.389	1.41	1.428	1.449	1.47	1.488	1.506	1.526	1.548	1.569	1.589	1.61	1.631	1.655
Federal Civilian	0.4	0.397	0.394	0.392	0.39	0.388	0.386	0.385	0.384	0.384	0.384	0.384	0.384	0.385	0.387	0.389

Control 1 - Levels

Primary:GRP By Final Demand Table (Bil 92$) - REMI Standard U.S. Control

Variable	2029	2030	2031	2032	2033	2034	2035
Total GRP	62.229	63.319	64.444	65.637	66.859	68.102	69.315
Total Consump	51.734	52.894	54.125	55.481	56.789	58.173	59.525
Vehicles and Parts	1.767	1.807	1.85	1.898	1.923	1.971	2.018
Furn & Hsehld Eq	10.976	11.255	11.539	11.856	12.171	12.482	12.776
Other Durables	1.052	1.075	1.101	1.127	1.154	1.182	1.21
Food & Beverages	5.211	5.321	5.44	5.57	5.703	5.838	5.969
Clothing & Shoes	2.34	2.369	2.431	2.506	2.535	2.601	2.673
Gasoline & Oil	1.559	1.627	1.7	1.778	1.861	1.948	2.038
Fuel Oil & Coal	0.019	0.02	0.021	0.022	0.022	0.023	0.024
Oth Non-Durbls	3.121	3.203	3.269	3.342	3.417	3.493	3.566
Housing	8.159	8.319	8.488	8.672	8.861	9.057	9.247
Hsehld Operat	2.731	2.793	2.859	2.93	3.003	3.076	3.147
Transportation	1.663	1.699	1.738	1.78	1.823	1.866	1.908
Medical Care	6.05	6.167	6.29	6.424	6.56	6.702	6.839
Other Services	7.085	7.237	7.4	7.576	7.755	7.935	8.11
Total Fixed Invest	23.742	24.421	25.108	25.81	26.488	27.215	27.905
Residential	2.921	2.993	3.073	3.158	3.245	3.323	3.392
Non-Residential	3.021	3.102	3.185	3.268	3.356	3.445	3.535
Produc Dur Equip	17.8	18.326	18.849	19.385	19.887	20.447	20.978
CBI net IVA+MISC	0.051	0.051	0.051	0.051	0.051	0.052	0.052
GRPVA-GRPFD	0	0	0	0	0	0	0
Total Government	10.315	10.511	10.715	10.934	11.152	11.388	11.616
Federal Mil	1.679	1.704	1.729	1.753	1.781	1.809	1.837
Federal Civilian	0.391	0.393	0.396	0.399	0.403	0.407	0.411

Control 1 - Levels

Primary:GRP By Final Demand Table (Bil 92$) - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
State & Local	2.734	3.075	3.253	3.502	3.662	3.885	4.103	4.316	4.526	4.682	4.855	5.03	5.205	5.381	5.61	5.776
Total Exports + Exogenous	23.861	25.277	26.113	26.743	27.449	28.082	28.653	29.236	29.835	30.353	30.889	31.479	32.101	32.738	33.366	34.008
Exogenous	0	0	0	0	0.028	0.028	0.027	0.027	0.027	0.049	0.049	0.049	0.049	0.049	0.025	0.025
Endogenous Exports	23.861	25.277	26.113	26.743	27.421	28.054	28.625	29.209	29.808	30.304	30.84	31.429	32.052	32.688	33.341	33.983
Total Imports	25.507	28.779	30.512	31.57	32.599	33.799	34.932	36.214	37.568	38.738	39.798	40.987	42.236	43.587	44.924	46.218
Tot GRP by Val-Add	31.4	33.352	34.703	35.634	36.562	37.552	38.507	39.466	40.438	41.218	42.058	42.956	43.902	44.869	45.881	46.805
Tot Priv Non-Farm Val-Add	28.383	30.199	31.466	32.298	33.181	34.088	34.963	35.843	36.737	37.472	38.218	39.022	39.872	40.744	41.624	42.459
Tot Govt Compens	3.004	3.14	3.224	3.323	3.368	3.45	3.53	3.609	3.687	3.731	3.825	3.919	4.015	4.109	4.241	4.33
Tot Farm Val-Add	0.012	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.016	0.016	0.016

Control 1 - Levels

Primary:GRP By Final Demand Table (Bil 92$) - REMI Standard U.S. Control

Variable	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
State & Local	5.926	6.072	6.214	6.359	6.496	6.627	6.757	6.883	7.068	7.202	7.337	7.475	7.615	7.756	7.915	8.077
Total Exports + Exogenous	34.624	35.233	35.835	36.433	37.029	37.625	38.213	38.803	39.367	39.96	40.561	41.172	41.786	42.4	43.042	43.702
Exogenous	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0	0	0	0	0	0	0	0
Endogenous Exports	34.599	35.207	35.81	36.407	37.004	37.599	38.188	38.778	39.367	39.96	40.561	41.172	41.786	42.4	43.042	43.702
Total Imports	47.417	48.623	49.796	51.038	52.217	53.393	54.553	55.725	56.944	58.149	59.427	60.714	62.038	63.401	64.879	66.398
Tot GRP by Val-Add	47.699	48.586	49.462	50.325	51.2	52.049	52.901	53.732	54.602	55.469	56.347	57.251	58.162	59.098	60.112	61.155
Tot Priv Non-Farm Val-Add	43.269	44.073	44.867	45.652	46.447	47.221	47.997	48.756	49.519	50.308	51.109	51.933	52.764	53.62	54.542	55.493
Tot Govt Compens	4.413	4.497	4.578	4.656	4.735	4.81	4.885	4.958	5.065	5.142	5.219	5.299	5.378	5.458	5.549	5.641
Tot Farm Val-Add	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.02	0.02	0.02	0.02

Control 1 - Levels

Primary:GRP By Final Demand Table (Bil 92$) - REMI Standard U.S. Control

Variable	2029	2030	2031	2032	2033	2034	2035
State & Local	8.245	8.414	8.59	8.782	8.968	9.172	9.368
Total Exports + Exogenous	44.372	45.055	45.738	46.455	47.197	47.958	48.733
Exogenous	0	0	0	0	0	0	0
Endogenous Exports	44.372	45.055	45.738	46.455	47.197	47.958	48.733
Total Imports	67.986	69.614	71.292	73.095	74.818	76.685	78.516
Tot GRP by Val-Add	62.229	63.319	64.444	65.637	66.859	68.102	69.315
Tot Priv Non-Farm Val-Add	56.471	57.466	58.492	59.577	60.689	61.817	62.918
Tot Govt Compens	5.737	5.832	5.931	6.039	6.148	6.263	6.374
Tot Farm Val-Add	0.021	0.021	0.021	0.022	0.022	0.022	0.023

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Last Year POP (w/o Mil,Dep,Spec)	1052.149	1113.751	1177.594	1242.566	1304.438	1360.654	1412.805	1462.234	1509.289	1554.054	1596.605
Total Deaths	8.63	9.069	9.517	9.973	10.426	10.868	11.304	11.736	12.163	12.595	13.021
Male Deaths	4.891	5.125	5.365	5.607	5.845	6.075	6.297	6.515	6.729	6.941	7.149
Female Deaths	3.74	3.943	4.153	4.366	4.581	4.794	5.007	5.22	5.434	5.653	5.872
Total Births	17.903	18.864	19.85	20.821	21.733	22.51	23.192	23.812	24.376	24.881	25.342
Male Births	9.131	9.621	10.123	10.619	11.084	11.48	11.828	12.144	12.432	12.689	12.925
Female Births	8.772	9.243	9.726	10.202	10.649	11.03	11.364	11.668	11.944	12.192	12.418
This Year Population B4 MIGS	1061.422	1123.546	1187.926	1253.414	1315.745	1372.295	1424.693	1474.309	1521.501	1566.342	1608.927
Male Pop B4 MIGS	533.967	565.109	597.407	630.266	661.475	689.675	715.715	740.313	763.656	785.787	806.757
Fem Pop B4 MIGS	527.455	558.437	590.52	623.148	654.27	682.621	708.977	733.996	757.845	780.555	802.17
Pop und 65 B4 MIGS	940.933	996.914	1055.187	1114.171	1169.9	1220.114	1265.858	1308.683	1348.707	1385.937	1421.495
Pop 65 & Over B4 MIGS	120.488	126.632	132.74	139.242	145.845	152.182	158.835	165.626	172.794	180.405	187.432
Total Migrants	51.877	53.578	54.164	50.585	44.531	40.176	37.238	34.703	32.302	30.038	28.41
Under 65	48.159	49.843	50.418	46.817	40.742	36.375	33.41	30.845	28.407	26.087	24.41
Econ Migrants	44.978	46.646	47.203	43.582	37.483	33.089	30.096	27.5	25.029	22.674	21.084
Int'l Migrants	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415
Chng in Mil & Deps	-0.233	-0.218	-0.2	-0.179	-0.156	-0.129	-0.1	-0.069	-0.037	-0.002	-0.089
Male Migrants	24.87	25.746	26.046	24.175	21.018	18.748	17.209	15.876	14.61	13.406	12.531
Female Migrants	23.289	24.097	24.372	22.642	19.724	17.626	16.202	14.969	13.797	12.682	11.879
65 & Over	3.718	3.735	3.745	3.768	3.788	3.802	3.828	3.858	3.895	3.951	4.001
Ret Male Migs	1.552	1.56	1.566	1.577	1.588	1.595	1.609	1.626	1.646	1.675	1.701
Ret Fem Migs	2.166	2.175	2.18	2.191	2.201	2.206	2.218	2.232	2.249	2.276	2.3
Total Mig Dths	0.142	0.144	0.145	0.14	0.132	0.126	0.122	0.119	0.116	0.113	0.112
Male Mig Dths	0.079	0.08	0.081	0.078	0.072	0.068	0.066	0.063	0.061	0.059	0.058

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Last Year POP (w/o Mil,Dep,Spec)	1637.548	1677.738	1717.346	1756.271	1794.6	1831.862	1867.651	1902.167	1935.6	1968.157	2000.038
Total Deaths	13.443	13.86	14.272	14.678	15.078	15.473	15.863	16.249	16.633	17.018	17.405
Male Deaths	7.352	7.552	7.748	7.94	8.127	8.311	8.492	8.672	8.85	9.029	9.21
Female Deaths	6.09	6.308	6.524	6.739	6.951	7.162	7.37	7.577	7.783	7.989	8.195
Total Births	25.769	26.204	26.666	27.191	27.809	28.495	29.232	29.995	30.768	31.544	32.291
Male Births	13.142	13.364	13.6	13.867	14.182	14.533	14.908	15.298	15.692	16.087	16.469
Female Births	12.627	12.84	13.067	13.323	13.626	13.963	14.324	14.698	15.076	15.456	15.823
This Year Population B4 MIGS	1649.874	1690.082	1729.74	1768.784	1807.331	1844.884	1881.02	1915.914	1949.735	1982.682	2014.924
Male Pop B4 MIGS	826.885	846.639	866.121	885.296	904.227	922.652	940.35	957.412	973.925	989.992	1005.699
Fem Pop B4 MIGS	822.989	843.442	863.619	883.488	903.104	922.232	940.67	958.502	975.81	992.69	1009.225
Pop und 65 B4 MIGS	1454.061	1486.443	1518.195	1549.648	1578.741	1606.838	1633.65	1658.717	1682.199	1705.573	1727.388
Pop 65 & Over B4 MIGS	195.814	203.639	211.545	219.135	228.589	238.046	247.369	257.196	267.536	277.109	287.536
Total Migrants	27.662	27.071	26.346	25.641	24.371	22.629	21.03	19.588	18.341	17.29	16.357
Under 65	23.566	22.888	22.077	21.289	19.854	17.948	16.186	14.57	13.133	11.907	10.772
Econ Migrants	20.229	19.553	18.736	17.942	16.493	14.57	12.806	11.181	9.737	8.516	7.366
Int'l Migrants	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415
Chng in Mil & Deps	-0.078	-0.08	-0.074	-0.068	-0.054	-0.037	-0.036	-0.026	-0.019	-0.024	-0.008
Male Migrants	12.092	11.74	11.318	10.909	10.164	9.174	8.258	7.418	6.672	6.034	5.445
Female Migrants	11.474	11.148	10.758	10.38	9.69	8.774	7.928	7.152	6.461	5.873	5.328
65 & Over	4.096	4.182	4.27	4.352	4.517	4.682	4.845	5.018	5.208	5.383	5.585
Ret Male Migs	1.748	1.791	1.835	1.877	1.958	2.038	2.117	2.202	2.294	2.378	2.476
Ret Fem Migs	2.348	2.391	2.434	2.475	2.56	2.644	2.728	2.817	2.914	3.004	3.109
Total Mig Dths	0.111	0.111	0.111	0.111	0.11	0.109	0.109	0.109	0.109	0.109	0.11
Male Mig Dths	0.058	0.057	0.057	0.057	0.056	0.055	0.055	0.054	0.054	0.054	0.054

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Last Year POP (w/o Mil,Dep,Spec)	2031.333	2062.158	2092.608	2123.071	2153.642	2184.3	2215.173	2246.329	2277.941	2310.241	2343.259
Total Deaths	17.796	18.192	18.595	19.006	19.424	19.85	20.283	20.724	21.175	21.635	22.104
Male Deaths	9.394	9.582	9.775	9.974	10.177	10.384	10.595	10.811	11.031	11.255	11.483
Female Deaths	8.402	8.61	8.82	9.032	9.247	9.466	9.688	9.914	10.145	10.38	10.621
Total Births	32.99	33.638	34.239	34.796	35.324	35.819	36.279	36.688	37.062	37.423	37.779
Male Births	16.825	17.156	17.462	17.746	18.015	18.268	18.502	18.711	18.902	19.086	19.267
Female Births	16.165	16.483	16.777	17.05	17.309	17.551	17.777	17.977	18.16	18.337	18.512
This Year Population B4 MIGS	2046.527	2077.604	2108.253	2138.861	2169.542	2200.268	2231.168	2262.292	2293.828	2326.029	2358.934
Male Pop B4 MIGS	1021.079	1036.191	1051.084	1065.959	1080.873	1095.813	1110.846	1125.996	1141.364	1157.081	1173.169
Fem Pop B4 MIGS	1025.448	1041.413	1057.169	1072.902	1088.669	1104.455	1120.323	1136.296	1152.464	1168.948	1185.765
Pop und 65 B4 MIGS	1748.653	1769.115	1788.522	1808.736	1828.364	1847.886	1866.865	1884.492	1903.387	1922.362	1942.245
Pop 65 & Over B4 MIGS	297.874	308.489	319.73	330.125	341.177	352.382	364.303	377.8	390.44	403.667	416.689
Total Migrants	15.591	14.977	14.797	14.765	14.746	14.897	15.154	15.644	16.402	17.214	17.898
Under 65	9.805	8.973	8.576	8.34	8.12	8.069	8.11	8.374	8.973	9.621	10.152
Econ Migrants	6.4	5.561	5.162	4.942	4.716	4.669	4.708	4.975	5.603	6.252	6.788
Int'l Migrants	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415	3.415
Chng in Mil & Deps	-0.01	-0.002	-0.001	-0.017	-0.011	-0.016	-0.012	-0.016	-0.045	-0.046	-0.051
Male Migrants	4.942	4.51	4.303	4.18	4.066	4.039	4.061	4.198	4.509	4.845	5.121
Female Migrants	4.863	4.463	4.272	4.16	4.054	4.029	4.049	4.176	4.465	4.775	5.031
65 & Over	5.786	6.004	6.222	6.425	6.627	6.828	7.044	7.27	7.429	7.594	7.746
Ret Male Migs	2.574	2.679	2.786	2.884	2.983	3.08	3.184	3.293	3.369	3.448	3.52
Ret Fem Migs	3.213	3.324	3.436	3.54	3.644	3.748	3.86	3.978	4.06	4.146	4.226
Total Mig Dths	0.112	0.113	0.115	0.118	0.12	0.123	0.126	0.129	0.132	0.136	0.139
Male Mig Dths	0.055	0.056	0.057	0.058	0.059	0.06	0.062	0.064	0.065	0.067	0.069

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	2030	2031	2032	2033	2034	2035
Last Year POP (w/o Mil,Dep,Spec)	2376.85	2410.936	2445.536	2480.797	2516.662	2552.897
Total Deaths	22.581	23.062	23.543	24.026	24.504	24.978
Male Deaths	11.714	11.944	12.173	12.402	12.628	12.85
Female Deaths	10.867	11.118	11.37	11.624	11.877	12.128
Total Births	38.132	38.49	38.861	39.25	39.664	40.102
Male Births	19.447	19.63	19.819	20.018	20.229	20.452
Female Births	18.685	18.86	19.042	19.233	19.435	19.65
This Year Population B4 MIGS	2392.401	2426.365	2460.853	2496.021	2531.823	2568.022
Male Pop B4 MIGS	1189.556	1206.21	1223.149	1240.453	1258.102	1275.976
Fem Pop B4 MIGS	1202.845	1220.154	1237.704	1255.568	1273.721	1292.047
Pop und 65 B4 MIGS	1962.862	1984.124	2006.986	2030.868	2055.576	2080.68
Pop 65 & Over B4 MIGS	429.539	442.241	453.867	465.154	476.246	487.342
Total Migrants	18.513	19.147	19.912	20.605	21.036	16.991
Under 65	10.636	11.17	11.868	12.51	12.882	8.77
Econ Migrants	7.27	7.807	8.532	9.179	9.554	5.435
Int'l Migrants	3.415	3.415	3.415	3.415	3.415	3.415
Chng in Mil & Deps	-0.049	-0.052	-0.079	-0.084	-0.087	-0.08
Male Migrants	5.373	5.651	6.012	6.346	6.539	4.402
Female Migrants	5.263	5.519	5.855	6.164	6.342	4.368
65 & Over	7.877	7.977	8.045	8.095	8.154	8.221
Ret Male Migs	3.582	3.627	3.657	3.681	3.709	3.742
Ret Fem Migs	4.296	4.35	4.388	4.415	4.445	4.479
Total Mig Dths	0.142	0.145	0.148	0.151	0.153	0.151
Male Mig Dths	0.07	0.071	0.073	0.074	0.075	0.073

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Female Mig Dths	0.063	0.063	0.064	0.062	0.06	0.058	0.057	0.056	0.055	0.054	0.054
Total Mig Brths	0.592	0.612	0.619	0.578	0.508	0.458	0.424	0.394	0.365	0.338	0.321
Male Mig Brths	0.302	0.312	0.316	0.295	0.259	0.233	0.216	0.201	0.186	0.172	0.164
Female Mig Brths	0.29	0.3	0.303	0.283	0.249	0.224	0.208	0.193	0.179	0.166	0.157
Census Undercnt	0	0	0	0	0	0	0	0	0	0	0
Under 65	0	0	0	0	0	0	0	0	0	0	0
65 & Over	0	0	0	0	0	0	0	0	0	0	0
POP (w/o Mil,Dep,Spec) B4 Mult	1113.751	1177.594	1242.566	1304.438	1360.654	1412.805	1462.234	1509.289	1554.055	1596.606	1637.548
Mult Adjust	1	1	1	1	1	1	1	1	1	1	1
POP (w/o Mil,Dep,Spec) With Mult	1113.751	1177.594	1242.566	1304.438	1360.654	1412.805	1462.234	1509.289	1554.055	1596.606	1637.548
Total Mil & Deps	16.068	16.668	16.828	17.059	17.263	17.478	17.679	17.899	18.101	18.299	18.446
Total Spec Pop	-21.27	-21.218	-21.253	-21.341	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419
Total Population	1108.549	1173.043	1238.141	1300.157	1356.498	1408.864	1458.494	1505.77	1550.737	1593.486	1634.576

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Female Mig Dths	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.055	0.055	0.056
Total Mig Brths	0.311	0.303	0.294	0.285	0.268	0.246	0.225	0.206	0.189	0.174	0.161
Male Mig Brths	0.159	0.155	0.15	0.145	0.137	0.125	0.115	0.105	0.096	0.089	0.082
Female Mig Brths	0.152	0.149	0.144	0.14	0.131	0.12	0.11	0.101	0.092	0.085	0.079
Census Undercnt	0	0	0	0	0	0	0	0	0	0	0
Under 65	0	0	0	0	0	0	0	0	0	0	0
65 & Over	0	0	0	0	0	0	0	0	0	0	0
POP (w/o Mil,Dep,Spec) B4 Mult	1677.738	1717.346	1756.271	1794.6	1831.862	1867.651	1902.167	1935.6	1968.157	2000.038	2031.333
Mult Adjust	1	1	1	1	1	1	1	1	1	1	1
POP (w/o Mil,Dep,Spec) With Mult	1677.738	1717.346	1756.271	1794.6	1831.862	1867.651	1902.168	1935.6	1968.157	2000.038	2031.333
Total Mil & Deps	18.575	18.707	18.828	18.943	19.036	19.11	19.183	19.249	19.306	19.363	19.402
Total Spec Pop	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419
Total Population	1674.895	1714.635	1753.681	1792.125	1829.479	1865.342	1899.933	1933.431	1966.045	1997.983	2029.317

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Female Mig Dths	0.057	0.058	0.059	0.06	0.061	0.062	0.064	0.066	0.067	0.069	0.07
Total Mig Brths	0.149	0.139	0.135	0.132	0.13	0.129	0.13	0.133	0.141	0.149	0.156
Male Mig Brths	0.076	0.071	0.069	0.068	0.066	0.066	0.066	0.068	0.072	0.076	0.08
Female Mig Brths	0.073	0.068	0.066	0.065	0.064	0.063	0.064	0.065	0.069	0.073	0.076
Census Undercnt	0	0	0	0	0	0	0	0	0	0	0
Under 65	0	0	0	0	0	0	0	0	0	0	0
65 & Over	0	0	0	0	0	0	0	0	0	0	0
POP (w/o Mil,Dep,Spec) B4 Mult	2062.158	2092.608	2123.071	2153.642	2184.299	2215.173	2246.329	2277.941	2310.24	2343.258	2376.85
Mult Adjust	1	1	1	1	1	1	1	1	1	1	1
POP (w/o Mil,Dep,Spec) With Mult	2062.158	2092.608	2123.071	2153.642	2184.299	2215.173	2246.329	2277.941	2310.24	2343.259	2376.85
Total Mil & Deps	19.446	19.476	19.504	19.548	19.587	19.632	19.673	19.711	19.782	19.847	19.919
Total Spec Pop	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419
Total Population	2060.185	2090.665	2121.157	2151.771	2182.467	2213.386	2244.583	2276.234	2308.604	2341.687	2375.351

Control 1 - Levels

Total:Population Model Summary - REMI Standard U.S. Control

Variable	2030	2031	2032	2033	2034	2035
Female Mig Dths	0.072	0.074	0.075	0.076	0.078	0.077
Total Mig Brths	0.162	0.169	0.178	0.186	0.191	0.141
Male Mig Brths	0.083	0.086	0.091	0.095	0.097	0.072
Female Mig Brths	0.079	0.083	0.087	0.091	0.093	0.069
Census Undercnt	0	0	0	0	0	0
Under 65	0	0	0	0	0	0
65 & Over	0	0	0	0	0	0
POP (w/o Mil,Dep,Spec) B4 Mult	2410.936	2445.536	2480.797	2516.663	2552.897	2585.004
Mult Adjust	1	1	1	1	1	1
POP (w/o Mil,Dep,Spec) With Mult	2410.936	2445.536	2480.797	2516.663	2552.898	2585.004
Total Mil & Deps	19.988	20.06	20.159	20.255	20.359	20.453
Total Spec Pop	-21.419	-21.419	-21.419	-21.419	-21.419	-21.419
Total Population	2409.506	2444.178	2479.538	2515.5	2551.838	2584.039

Control 1 - Levels

Control 1 - Policy Variable Changes as Entered

Variable	Detail	Unit	Number	1997	1998	1999	2000	2001	2002
Non-Pecuniary (Amenity) Aspects (relative to wage)	Labor Force and Dependents	Percent	D11	0	0	0	0.033	0.067	0.1
State and Local Government Spending (amount)	Transit Utilities	1997 US $ (M)	T344	0	0	0	0	105.2	105.2
Government Spending (amount)	State and Local	1997 US $ (M)	179	0	0	0	0	-73.6	-73.6

Variable	Detail	Unit	Number	2003	2004	2005	2006	2007
Non-Pecuniary (Amenity) Aspects (relative to wage)	Labor Force and Dependents	Percent	D11	0.133	0.167	0.2	0.233	0.267
State and Local Government Spending (amount)	Transit Utilities	1997 US $ (M)	T344	105.2	105.2	105.2	192.3	192.3
Government Spending (amount)	State and Local	1997 US $ (M)	179	-73.6	-73.6	-73.6	-134.6	-134.6

Variable	Detail	Unit	Number	2008	2009	2010	2011	2012
Non-Pecuniary (Amenity) Aspects (relative to wage)	Labor Force and Dependents	Percent	D11	0.3	0.333	0.367	0.4	0.433
State and Local Government Spending (amount)	Transit Utilities	1997 US $ (M)	T344	192.3	192.3	192.3	96.2	96.2
Government Spending (amount)	State and Local	1997 US $ (M)	179	-134.6	-134.6	-134.6	-64.8	-64.8

Variable	Detail	Unit	Number	2013	2014	2015	2016	2017	2018
Non-Pecuniary (Amenity) Aspects (relative to wage)	Labor Force and Dependents	Percent	D11	0.467	0.5	0.533	0.567	0.6	0.633
State and Local Government Spending (amount)	Transit Utilities	1997 US $ (M)	T344	96.2	96.2	96.2	96.2	96.2	96.2
Government Spending (amount)	State and Local	1997 US $ (M)	179	-64.8	-64.8	-64.8	-64.8	-64.8	-64.8

Variable	Detail	Unit	Number	2019	2020	2021	2022	2023	2024	2025
Non-Pecuniary (Amenity) Aspects (relative to wage)	Labor Force and Dependents	Percent	D11	0.667	0.7	0.733	0.767	0.8	0.833	0.867
State and Local Government Spending (amount)	Transit Utilities	1997 US $ (M)	T344	96.2	96.2	0	0	0	0	0
Government Spending (amount)	State and Local	1997 US $ (M)	179	-64.8	-64.8	0	0	0	0	0

Variable	Detail	Unit	Number	2026	2027	2028	2029	2030	2031	2032
Non-Pecuniary (Amenity) Aspects (relative to wage)	Labor Force and Dependents	Percent	D11	0.9	0.933	0.967	1	1.033	1.067	1.1
State and Local Government Spending (amount)	Transit Utilities	1997 US $ (M)	T344	0	0	0	0	0	0	0
Government Spending (amount)	State and Local	1997 US $ (M)	179	0	0	0	0	0	0	0

Control 1 - Levels

Control 1 - Policy Variable Changes as Entered

Variable	Detail	Unit	Number	2033	2034	2035
Non-Pecuniary (Amenity) Aspects (relative to wage)	Labor Force and Dependents	Percent	D11	1.133	1.167	0
State and Local Government Spending (amount)	Transit Utilities	1997 US $ (M)	T344	0	0	0
Government Spending (amount)	State and Local	1997 US $ (M)	179	0	0	0

Control 1 - Levels

Run Options

From: 1997 To: 2035

US Control: REMI Standard U.S. Control
Regional Control: REMI Standard Reg Control
Employment Update Changes
Policy Variable Changes