



Elizabethtown Area SD
Live - Learn - Thrive

ELIZABETHTOWN AREA SCHOOL DISTRICT ENROLLMENT FORECAST REPORT 2021

MARCH 9, 2021

Agenda

1. DecisionInsite – Who We Are
2. Demographics Data & Trends
3. Historical Enrollment Analysis
4. Proposed Residential Development
5. Enrollment Forecast

WHO WE ARE

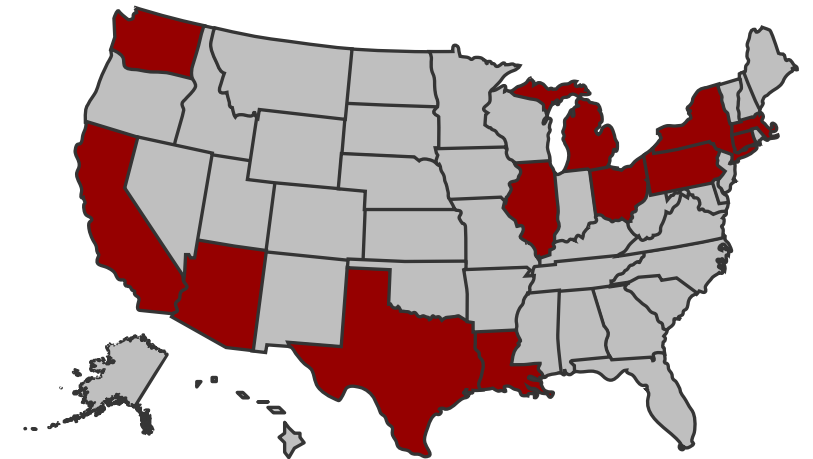


**ELIZABETHTOWN AREA
SCHOOL DISTRICT**

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Enrollment Impact Specialists

We Are Enrollment Impact Specialists

- Founded in 2004
- Currently working with 170+ districts in 12 states
- Services include:
 - Enrollment forecasts
 - Boundary consulting
 - New housing studies
 - Trustee area studies
 - MySchoolLocator / BusStopLocator
 - Now a part of the PowerSchool EdTech family



Zach Worthen

Solutions Engineer



- Provided boundary and enrollment analysis and curricular services to school districts and financial and policy guidance to NGOs since 2012
 - United Nations Development Programme
 - New York City Department of Education
 - Portland Public Schools
- Current responsibilities for Decision InSite, a PowerSchool Company includes Boundary & Enrollment Analysis and Client Support

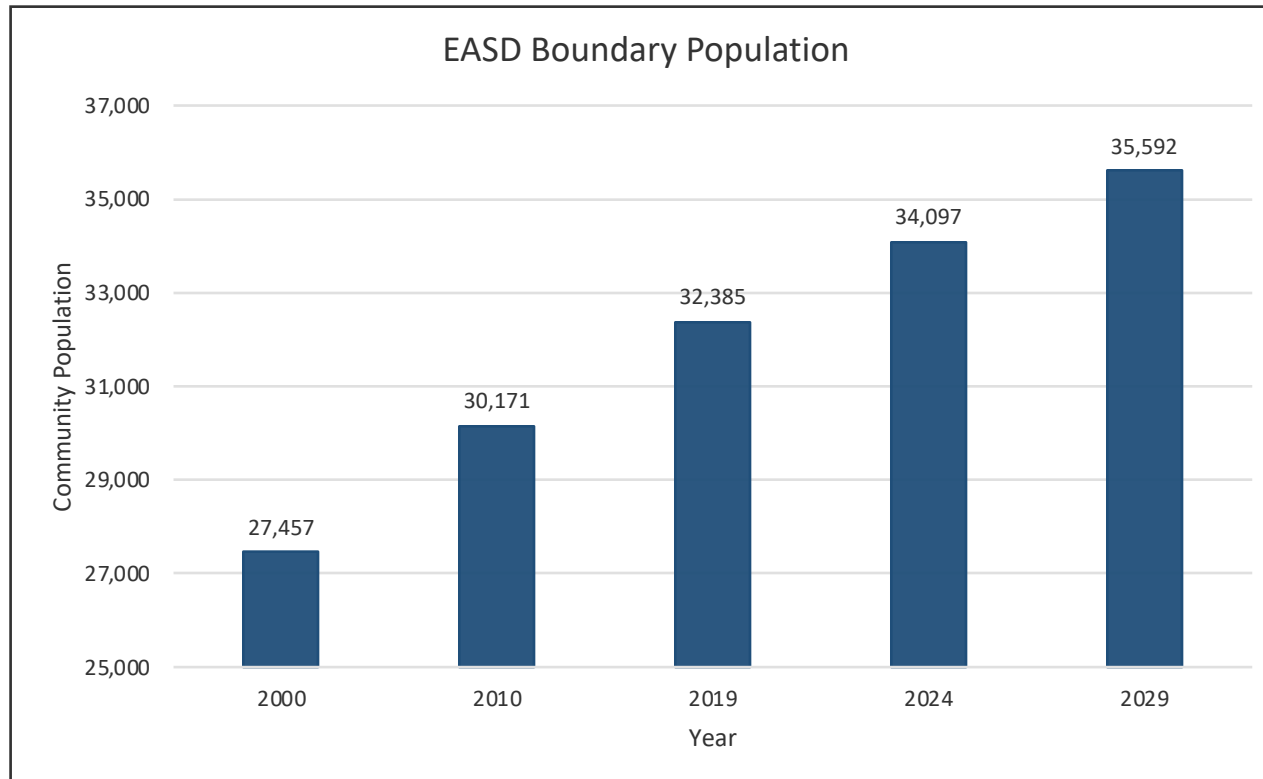
DEMOGRAPHIC DATA & TRENDS



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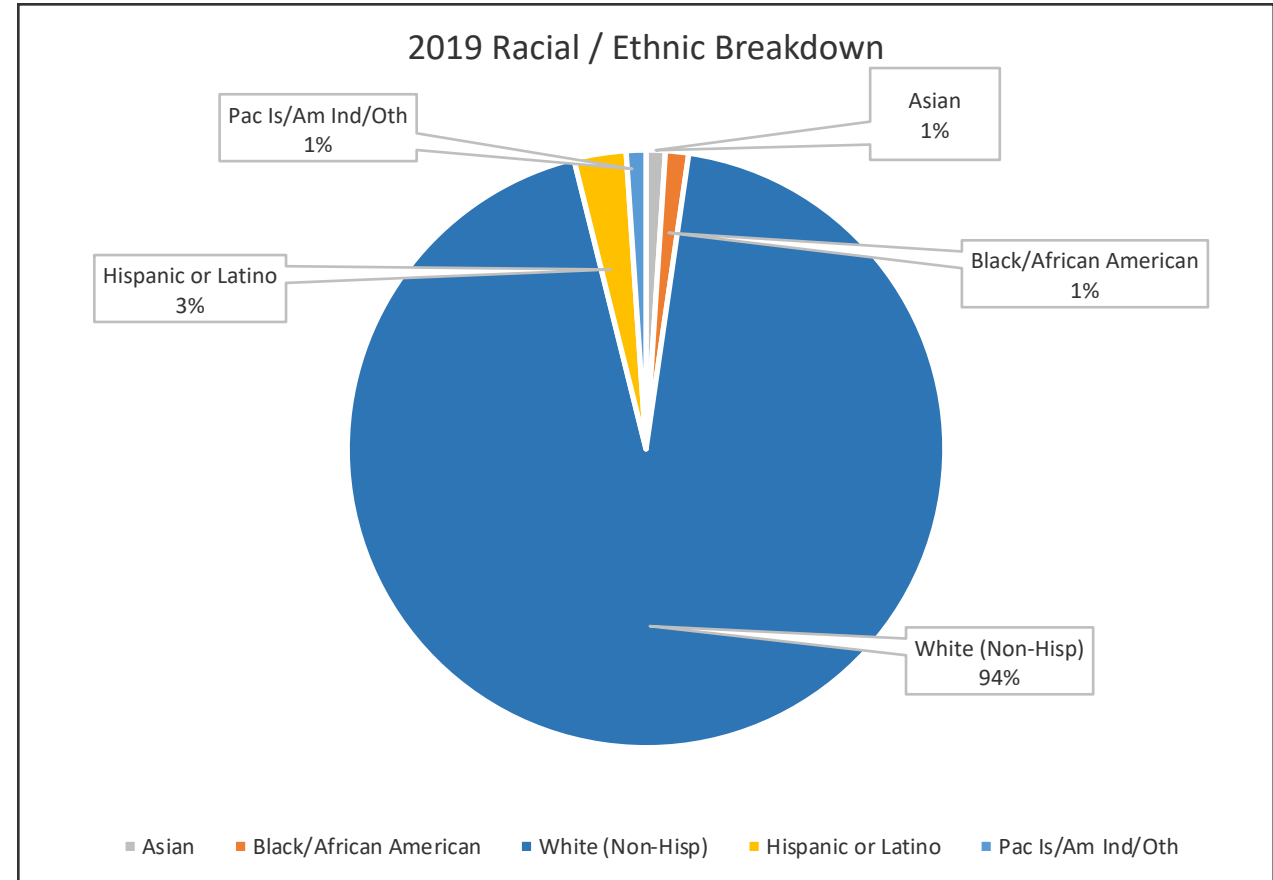
EASD BOUNDARY POPULATION TRENDS



- The resident community in EASD's boundary has displayed fairly consistent historical growth over the last 2 decades but is slowing, with growth rates dropping from +10% in the 2000s and early 2010s to a forecasted growth rate of +4.8% in the 2020s
- While the community has grown, this has masked a decline in the size of EASD
- This slowdown of the growth rate in the overall community will result in a contraction of EASDs student population over the upcoming decade

EASD BOUNDARY RACIAL/ETHNIC TRENDS

- EASDs boundary has a steady racial/ethnic breakdown over the last decade plus. The 2019 percentages are displayed here
- The community is overwhelmingly white, with a small minority of Latino students
- Asian, Black and American Indian and families make up the balance of the community



HISTORICAL ENROLLMENT ANALYSIS



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EASD Recent Historical Changes

4 Year History Change	
Kindergarten	92.4%
Gr 1-2	93.8%
Gr 3-6	85.8%
Gr 7-8	99.2%
Gr 9-12	97.5%
Total	92.8%

- This 4-year historical changes graph shows the contraction of grade band cohorts within the district.
- Note that the general declines show the contraction of EASD.
- The picture painted using the 2020 numbers is particularly sparse, as it incorporates students who are not enrolled during the COVID-19 pandemic

Annual Change Impact

	Percent Change of Previous year		
	2018	2019	2020
Kindergarten	99.6%	99.6%	93.2%
Gr 12 to 1 (Cohort Replacement)	80.2%	91.8%	80.9%
Total K-12	98.4%	99.4%	95.3%

12 to 1 Cohort Change

Elizabethtown Area School District Moderate Projection 12 to 1 Diagram

Grade	Actual Enrollment				Next Year	Projected Enrollment			
	2017	2018	2019	2020	2021	2022	2023	2024	2025
K (half-day)	238	237	236	220	238	247	260	268	267
1	250	264	257	233	254	262	274	281	281
2	266	253	275	251	266	265	277	282	281
3	295	267	256	262	267	270	274	280	279
4	323	312	283	251	294	280	287	285	284
5	319	320	316	276	270	295	285	288	281
6	324	335	321	293	286	276	304	291	289
7	316	323	328	308	314	280	275	297	279
8	324	305	321	327	312	314	284	275	294
9	320	336	314	333	338	328	332	295	281
10	328	317	321	288	316	324	320	316	277
11	284	304	314	310	281	316	328	317	309
12	329	280	288	298	297	273	307	318	306
Subtotals:	3916	3853	3830	3650	3733	3730	3807	3793	3708
Pct Chg:	-0.71%	-1.61%	-0.60%	-4.70%	2.30%	-0.10%	2.10%	-0.40%	-2.20%
SDC:	60	32	43	41	40	40	41	43	42
Totals:	3976	3885	3873	3691	3773	3770	3848	3836	3750

Summary of Historical Enrollment Trends

Overall District:

- Elizabethtown Area SD has been facing small but meaningful contraction to its enrollment over the historical study years, and looks likely to continue that trend in the forecast years
- Particularly notable in the 12 to 1 replacement modeling, first grade cohorts are smaller than the outgoing 12th grade cohorts, so the district will see contraction faster in its lower grades as the cohorts age through
 - We are using the 1st grade cohorts here, as EASDs half-day kindergarten may be a less reliable predictor of the growth cohort than 1st
- While the affect of COVID was severe, the district would be facing a contracting enrollment regardless
- While the population is growing in the community, declining birth rates, aging populations and other factors contribute to a district that is contracting

PROPOSED RESIDENTIAL DEVELOPMENT



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Residential Development Research

- How Does Residential Development Research Work?
 1. Our residential development team reviewed the status of new housing in the district since the last study.
 2. We then contact each Borough and Township leader to compile a list of active and future projects
 3. In turn, we drill down to the developers associated with each project whenever possible for the most recent considerations regarding dwelling unit types and occupancy timelines
 4. This information is then compiled and presented to the district for feedback prior to beginning enrollment projections
 5. Note on Moderate vs Conservative
 1. The Moderate DU Scenario is directly based on information provided by the planning departments and developers regarding anticipated construction schedules and unit occupancies. The Conservative DU Scenario is derived from the Moderate's by assuming occupancies will occur over a longer period.

Borough & Township Leaders that were interviewed:

Elizabethtown Borough:

Rebecca Denlinger

Mount Joy Township:

Justin Evans

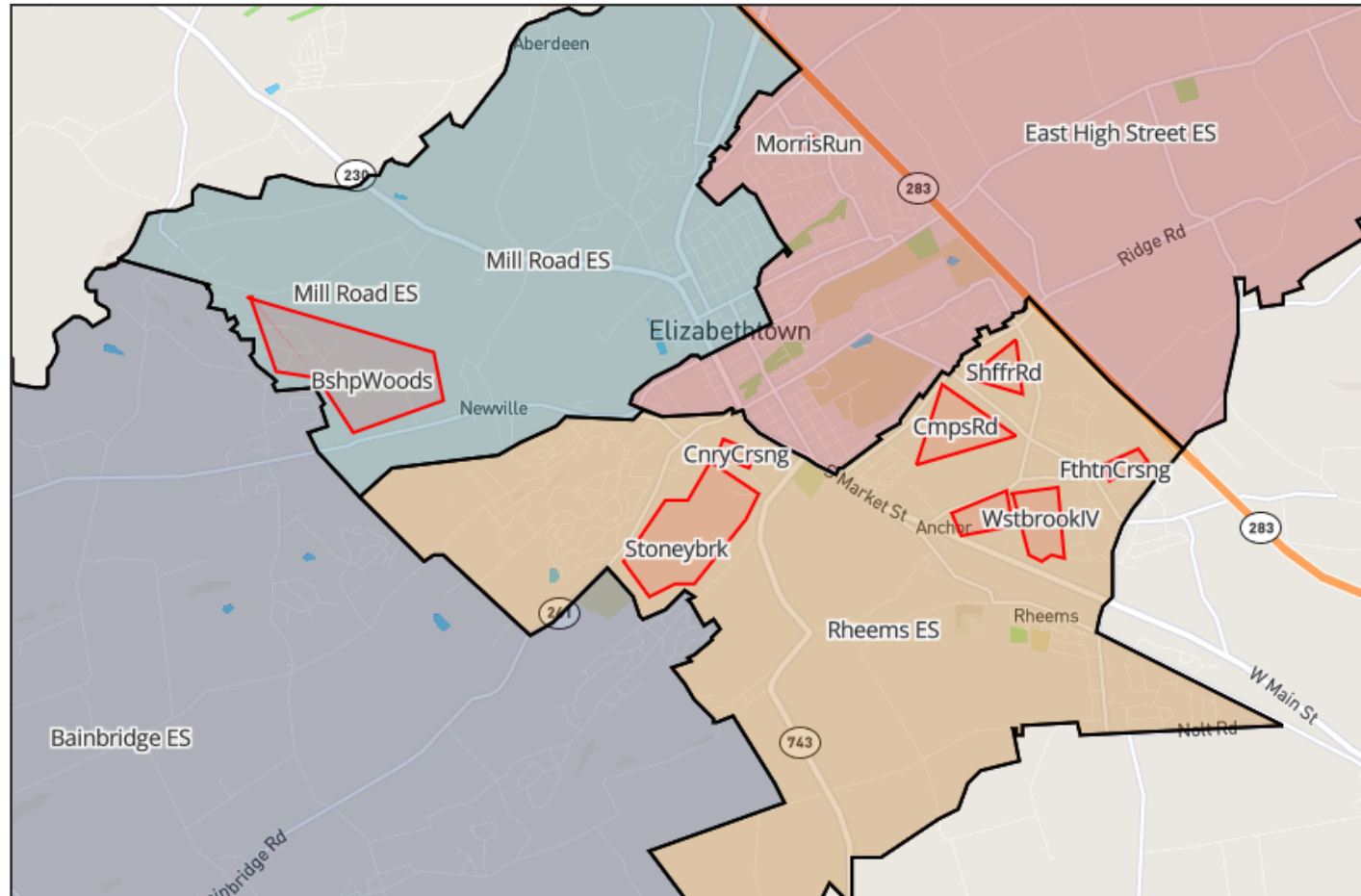
West Donegal Township:

John Yoder

Conoy Borough:

Stephen Mohr

Proposed Dwelling Unit Projects



Proposed Dwelling Units – Moderate

Proposed Dwelling Units within the Elizabethtown Area School District (Moderate DU Scenario)												
Project Name	Unit Type	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total
Bishop Woods	SFD	7	7	7	7	4	0	0	0	0	0	32
Campus Rd	SFD	0	0	0	0	0	65	65	66	0	0	196
Campus Rd	MF	0	0	0	0	0	95	95	96	0	0	286
Conroy Crossing	SFA	20	20	0	0	0	0	0	0	0	0	40
Featherton Crossing	SFA	7	7	0	0	0	0	0	0	0	0	14
Morris Run	SFA	0	18	0	0	0	0	0	0	0	0	18
Morris Run	MF	0	18	0	0	0	0	0	0	0	0	18
Raffensperger	SFD	0	44	44	0	0	0	0	0	0	0	88
Sheaffer Rd Development	SFA	0	0	150	147	0	0	0	0	0	0	297
Sheaffer Rd Development	MF	0	0	80	0	0	0	0	0	0	0	80
Stoneybrook	SFD	25	25	25	25	25	25	25	25	24	0	224
Westbrook IV	SFA	0	50	50	28	0	0	0	0	0	0	128
Westbrook IV	SFD	0	50	43	0	0	0	0	0	0	0	93
Totals:		59	239	399	207	29	185	185	187	24	0	1514

Proposed Dwelling Units – Conservative

Proposed Dwelling Units within the Elizabethtown Area School District (Conservative DU Scenario)												
Project Name	Unit Type	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total
Bishop Woods	SFD	5	5	5	4	4	4	5	0	0	0	32
Campus Rd	SFD	0	0	0	0	0	39	33	33	33	33	171
Campus Rd	MF	0	0	0	0	0	57	48	48	48	48	249
Conroy Crossing	SFA	13	13	13	1	0	0	0	0	0	0	40
Featherton Crossing	SFA	5	5	4	0	0	0	0	0	0	0	14
Morris Run	SFA	0	12	6	0	0	0	0	0	0	0	18
Morris Run	MF	0	12	6	0	0	0	0	0	0	0	18
Raffensperger	SFD	0	29	29	26	4	0	0	0	0	0	88
Sheaffer Rd Development	SFA	0	0	98	90	90	19	0	0	0	0	297
Sheaffer Rd Development	MF	0	0	52	28	0	0	0	0	0	0	80
Stoneybrook	SFD	16	16	16	15	15	15	13	13	13	13	145
Westbrook IV	SFA	0	33	33	31	31	0	0	0	0	0	128
Westbrook IV	SFD	0	33	33	27	0	0	0	0	0	0	93
Totals:		39	158	295	222	144	134	99	94	94	94	1373

Students Generated by New Housing

Students Generated by Residential Development (Moderate DU Scenario)										
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Aggregate		135	302	396	420	502	591	683	710	719
Annual	27	109	172	108	50	111	118	125	68	57

Students Generated by Residential Development (Conservative DU Scenario)										
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Aggregate		89	211	311	376	437	488	536	584	631
Annual	18	72	126	109	84	86	78	78	81	84

ENROLLMENT FORECAST



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Factors Influencing Future Enrollment

- Primary factors that influence calculations
 - Kindergarten
 - Aging of grade cohorts through system
 - Impact of new residential development
 - Inter-district transfers
- Other factors that can influence
 - Private / charter school enrollment
 - Housing market
 - Anomalous events

Study Differences

- Two projection studies are completed each year
 - Conservative suitable for budgeting
 - Moderate suitable for facilities planning
- Methodology Differences
 - For Kindergarten and for each grade level cohort change, the algorithm determines for each Studyblock, two mathematically supportable trends based on the 4-year history
 - The lesser of the two trends is applied to the conservative study; the greater to the moderate
 - Similar viable differentiations, applied similarly, are made for:
 - Incoming out of district transfers
 - Students generated by proposed residential development, if any

10-Year Projection – Moderate Model

Grade	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
K	238	237	236	220	239	247	260	268	267	271	276	280	279	277
1	250	264	257	233	255	262	275	280	281	286	290	294	292	290
2	266	253	275	251	266	265	277	282	281	287	292	297	295	292
3	295	267	256	262	267	270	274	280	279	284	290	295	293	291
4	323	312	283	251	294	280	287	285	284	289	293	299	299	296
5	319	320	316	276	270	295	285	288	281	285	289	294	295	294
6	324	335	321	293	286	276	304	291	289	285	289	293	294	295
7	316	323	328	308	314	280	275	297	279	282	278	283	283	283
8	324	305	321	327	312	314	284	275	294	280	283	279	280	280
9	320	336	314	333	338	328	332	295	281	304	291	293	283	284
10	328	317	321	288	316	324	320	316	277	269	292	280	278	268
11	284	304	314	310	281	316	328	317	309	276	270	292	275	272
12	329	280	288	298	297	273	307	318	306	299	267	263	281	266
Subtotals:	3916	3853	3830	3650	3735	3730	3808	3792	3708	3697	3700	3742	3727	3688
Pct Chg:	0%	-1.60%	-0.60%	-4.70%	2.30%	-0.10%	2.10%	-0.40%	-2.20%	-0.30%	0.10%	1.10%	-0.40%	-1%
SDC:	60	32	43	41	40	40	42	42	41	42	43	43	43	43
Totals:	3976	3885	3873	3691	3775	3770	3850	3834	3749	3739	3743	3785	3770	3731

10-Year Projection – Conservative Model

Grade	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
K	238	237	236	220	229	232	241	249	250	250	250	249	248	247
1	250	264	257	233	251	247	255	261	266	266	265	263	262	261
2	266	253	275	251	262	258	258	263	266	270	269	268	266	265
3	295	267	256	262	264	263	263	262	264	267	270	268	267	265
4	323	312	283	251	292	274	277	274	270	271	273	276	274	272
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7	316	323	328	308	312	272	265	288	272	272	266	261	262	263
8	324	305	321	327	307	310	274	265	288	271	270	265	260	261
9	320	336	314	333	336	319	323	284	273	295	278	276	270	266
10	328	317	321	288	312	319	308	308	269	260	280	265	263	259
11	284	304	314	310	279	307	318	305	303	266	256	275	260	260
12	329	280	288	298	296	269	296	306	293	291	255	247	264	251
Subtotals:	3916	3853	3830	3650	3688	3629	3648	3623	3566	3523	3472	3454	3441	3416
Pct Chg:	0%	-1.60%	-0.60%	-4.70%	1%	-1.60%	0.50%	-0.70%	-1.60%	-1.20%	-1.40%	-0.50%	-0.40%	-0.70%
SDC:	60	32	43	41	39	39	39	40	40	40	39	39	40	39
Totals:	3976	3885	3873	3691	3727	3668	3687	3663	3606	3563	3511	3493	3481	3455

ANY QUESTIONS?



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