



BROOMFIELD *Colorado*

Athletic Field Use & Demand Analysis Study

Final Report

October 13, 2014



BALLARD * KING
& ASSOCIATES LTD
Recreation Facility Planning and Operation Consultants

Table of Contents

Section	I	Introduction	1
Section	II	Demographic and Sports Participation Summary.....	2
Section	III	Existing Athletic Fields Assessment	30
Section	IV	User Group Input.....	38
Section	V	Current and Future Field Demands.....	51
Section	VI	Appendix.....	68

INTRODUCTION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Section I – Introduction

Ballard*King & Associates has been contracted by the City and County of Broomfield to complete an Athletic Field Use and Demand Study. This study includes the following tasks:

Demographic and Sports Participation Summary – This includes an analysis of the current and future demographic characteristics of the City and County as well as a review of the rates of participation in field sports activities. This information provides a foundation for present and future field demand.

Existing Athletic Fields Assessment – This section includes an assessment of the current athletic field’s inventory in the City and County. There is also a review of the Parks and Recreation Department’s current field allocation process. This data is valuable in the process of determining the use and function of existing fields and the process for allocating fields to existing organizations.

User Group Input – An important aspect of the study is understanding as much as possible about the current user groups, their size, structure, and field usage numbers, as well as issues and concerns regarding the use and allocation of athletic fields in the City and County. From this information, important recommendations regarding current use of fields as well as future needs and demands can be developed.

Current and Future Field Demands – This section focuses on identifying the key issues that exist with field use and allocation policies as well as recommendations for possible changes in the future. Specific recommendations are then included regarding future field needs as well as basic capital and operational estimates for future facilities.

The intent of the study is to give the City and County of Broomfield a clear assessment of the current number and use of athletic fields, including the process of how they are assigned; as well as determining how future needs and demands should best be met.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Section II – Demographic and Sports Participation Summary

One of the first steps in completing an athletic field use and demand analysis for the City and County of Broomfield is to have a clear understanding of the demographic characteristics of the City and County as well as the future demographic trends.

The following is a summary of the basic demographic characteristics of the City and County of Broomfield along with field sports participation statistics as produced by the National Sporting Goods Association.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



City and County of Broomfield Demographic Characteristics Comparison Chart:

	City and County of Broomfield
Population:	
2010 Census	55,889
2013 Estimate	60,153
2018 Estimate	67,044
Households:	
2010 Census	21,414
2013 Estimate	23,185
2018 Estimate	26,116
Families:	
2010 Census	14,831
2013 Estimate	16,006
2018 Estimate	17,958
Average Household Size:	
2010 Census	2.60
2013 Estimate	2.58
2018 Estimate	2.56
Ethnicity:	
Hispanic	11.9%
White	84.7%
Black	2.1%
American Indian	0.7%
Asian	5.8%
Pacific Islander	0.1%
Other	3.5%
Multiple	3.0%
Median Age:	
2010 Census	36.3
2013 Estimate	36.9
2018 Estimate	37.5
Median Income:	
2013 Estimate	\$77,675
2018 Estimate	\$89,126
Household Budget Expenditures¹:	
Housing	136
Entertainment & Recreation	139

¹ This information is placed on an index with a reference point being the National average of 100.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*

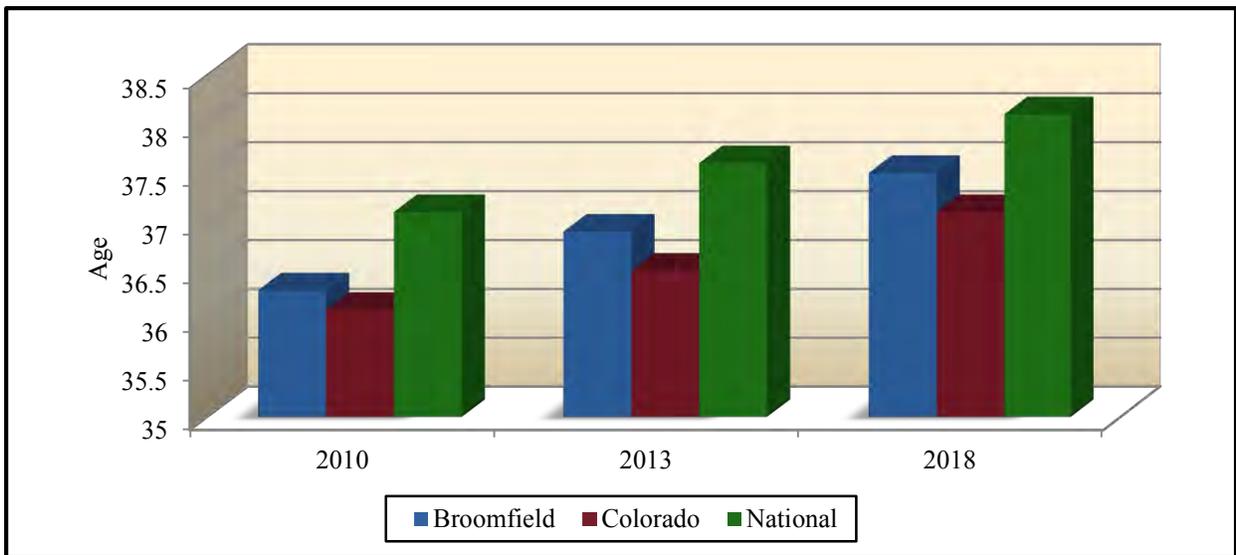


Age and Income: The median age and household income levels are compared with the national number as both of these factors are primary determiners of participation in recreation activities. The lower the median age, the higher the participation rates are for most activities. The level of participation also increases as the median income level goes up.

Table A – Median Age:

	2010 Census	2013 Projection	2018 Projection
City and County of Broomfield	36.3	36.9	37.5
State of Colorado	36.1	36.5	37.1
Nationally	37.1	37.6	38.1

Chart A – Median Age:



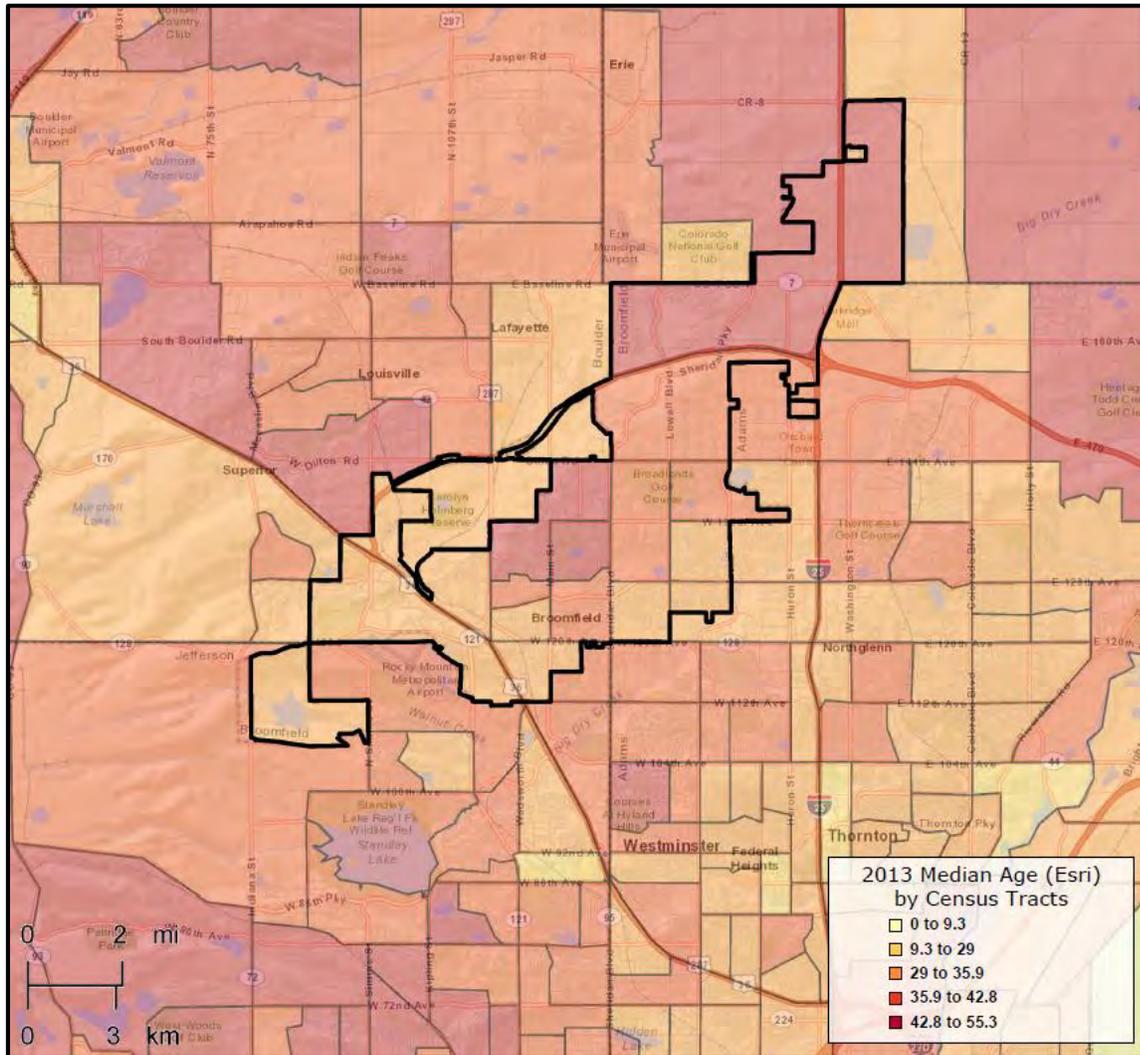
The median age for the City and County of Broomfield and the State of Colorado are both lower than the National number with the City and County’s median age being slightly higher than the State number. The lower median age points to the presence of families with children along with young professionals. Both of these group would be significant users of outdoor field space in the case of programs, leagues and tournaments.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Map A – Median Age by Census Tract:



DEMOGRAPHIC & SPORTS PARTICIPATION

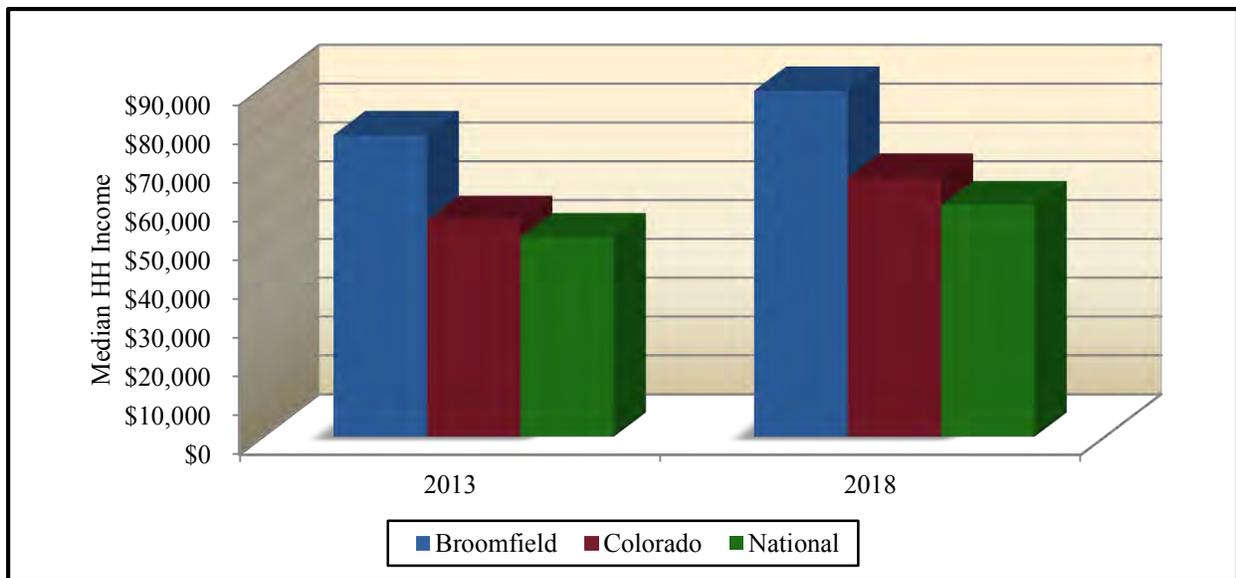
*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Table B – Median Household Income:

	2013 Estimate	2018 Projection
City and County of Broomfield	\$77,675	\$89,126
State of Colorado	\$55,785	\$66,706
Nationally	\$51,314	\$59,580

Chart B – Median Household Income:



Based upon 2013 projections the following narrative can be provided the service areas:

In the City and County of Broomfield the percentage of households with median income over \$50,000 per year is 69.1% compared to 50.1% on a national level. Furthermore, the percentage of the households in the service area with median income less than \$25,000 per year is 12.6% compared to a level of 24.7% nationally.

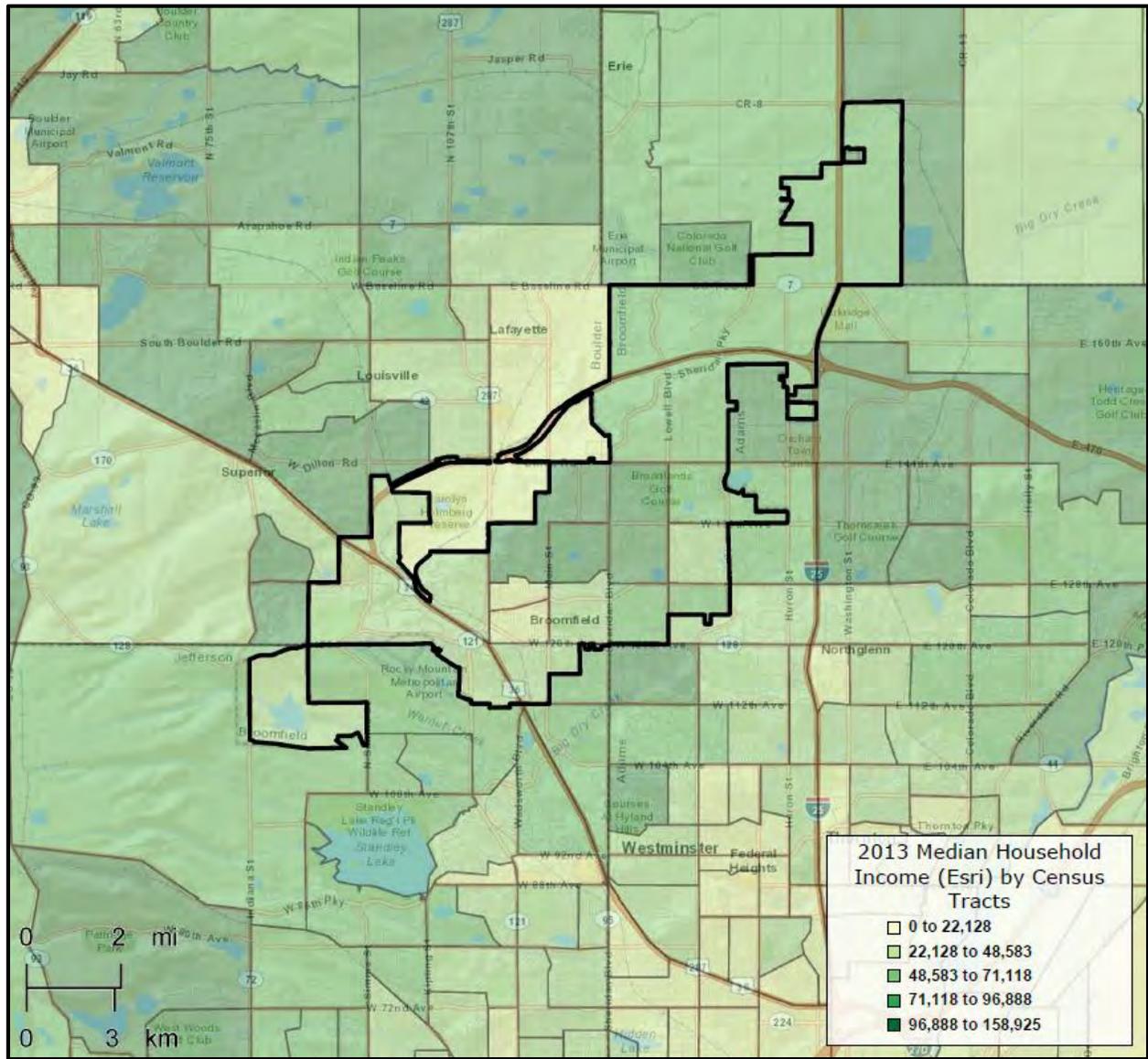
The median household income in both the City and County of Broomfield and the State of Colorado is higher than the National number with the City and County number being significantly higher than the State number. This higher median household income points to the ability to pay for and support sports facilities and recreation programs.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Map B – Median Household Income by Census Tract:



DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Household Budget Expenditures: In addition to looking at Median Age and Median Income, it is important to examine Household Budget Expenditures. In particular studying housing information; shelter, utilities, fuel and public services along with entertainment & recreation can provide a snap shot into the cost of living and spending patterns in the community. The table below looks at that information and compares it with the State.

Table C – Household Budget Expenditures²:

City and County of Broomfield	SPI	Average Amount Spent	Percent
Housing	136	\$29,006.96	31.4%
<i>Shelter</i>	138	\$22,475.46	24.3%
<i>Utilities, Fuel, Public Service</i>	129	\$6,531.10	7.1%
Entertainment & Recreation	139	\$4,525.83	4.9%

State of Colorado	SPI	Average Amount Spent	Percent
Housing	109	\$23,250.47	31.3%
<i>Shelter</i>	110	\$17,873.67	24.1%
<i>Utilities, Fuel, Public Service</i>	106	\$5,376.80	7.2%
Entertainment & Recreation	111	\$3,614.82	4.9%

- SPI:** Spending Potential Index as compared to the National number of 100.
- Average Amount Spent:** The average amount spent per household.
- Percent:** Percent of the total 100% of household expenditures.

Note: Shelter along with Utilities, Fuel, Public Service are a portion of the Housing percentage.

² Consumer Spending data are derived from the 2004 and 2005 Consumer Expenditure Surveys, Bureau of Labor Statistics. ESRI forecasts for 2012 and 2018.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Chart C – Household Budget Expenditures Spending Potential Index:

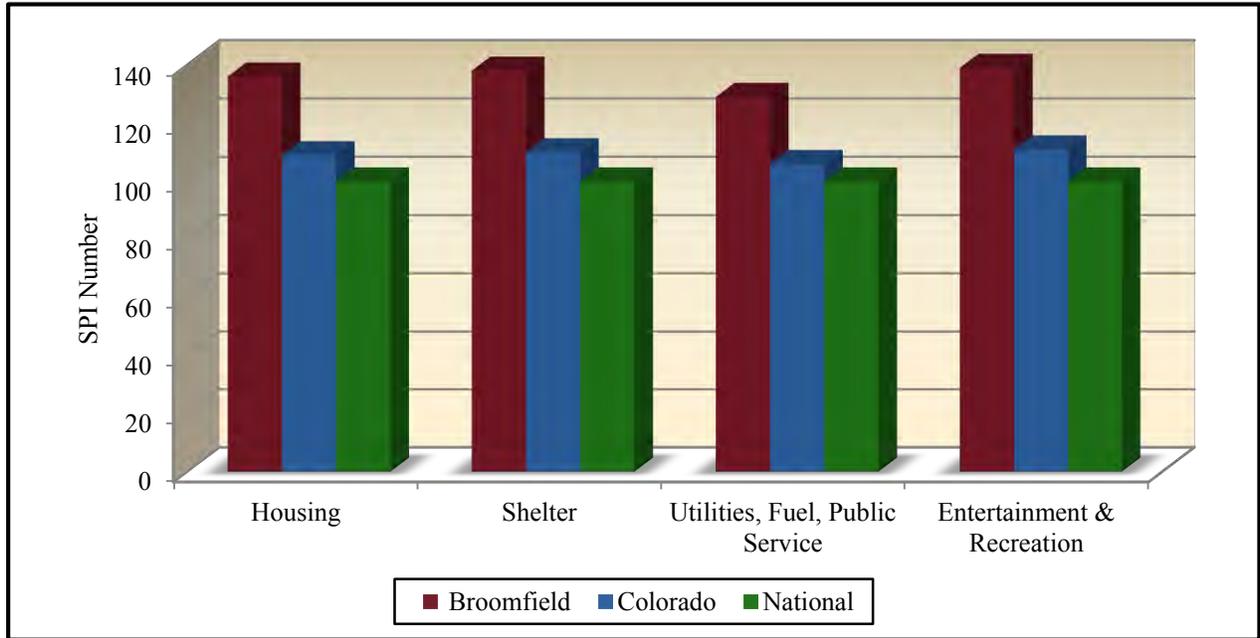


Chart C, illustrates the Household Budget Expenditures Spending Potential Index in the City and County. The spending potential index follows a similar pattern to median household income with both the City and County of Broomfield and State of Colorado being higher than the National number and the City and County being higher than the State. This points to a higher cost of living in the City and County of Broomfield when compared with the State and National level, but it is important to note that the median household income will support such a level.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Recreation Expenditures Spending Potential Index: Finally, through the demographic provider that B*K utilizes for the market analysis portion of the report, we are able to examine the overall propensity for households to spend dollars on recreation activities. The following comparisons are possible.

Table D – Recreation Expenditures Spending Potential Index³:

City and County of Broomfield	SPI	Average Spent
Fees for Participant Sports	150	\$176.89
Fees for Recreational Lessons	153	\$189.36
Social, Recreation, Club Membership	151	\$252.37
Exercise Equipment/Game Tables	137	\$92.38
Other Sports Equipment	125	\$10.66

State of Colorado	SPI	Average Spent
Fees for Participant Sports	112	\$132.86
Fees for Recreational Lessons	110	\$136.51
Social, Recreation, Club Membership	111	\$184.90
Exercise Equipment/Game Tables	107	\$72.23
Other Sports Equipment	107	\$9.12

Average Amount Spent: The average amount spent for the service or item in a year.

SPI: Spending potential index as compared to the national number of 100.

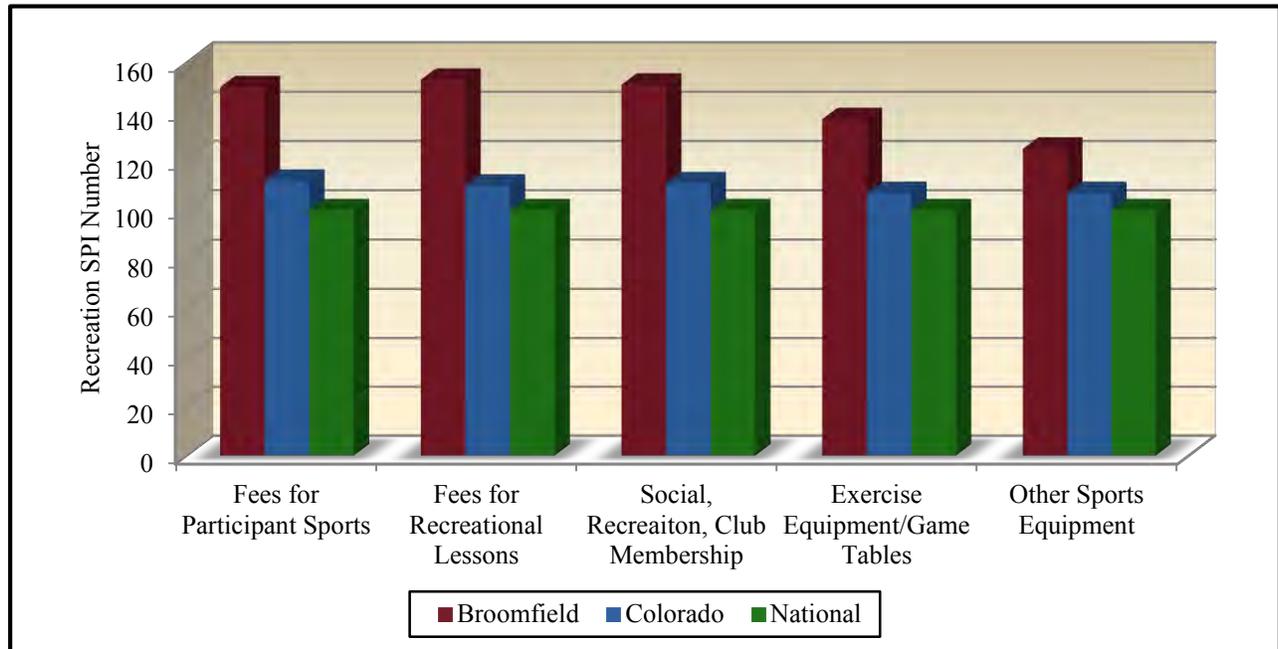
³ Consumer Spending data are derived from the 2006 and 2007 Consumer Expenditure Surveys, Bureau of Labor Statistics.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Chart D – Recreation Spending Potential Index:



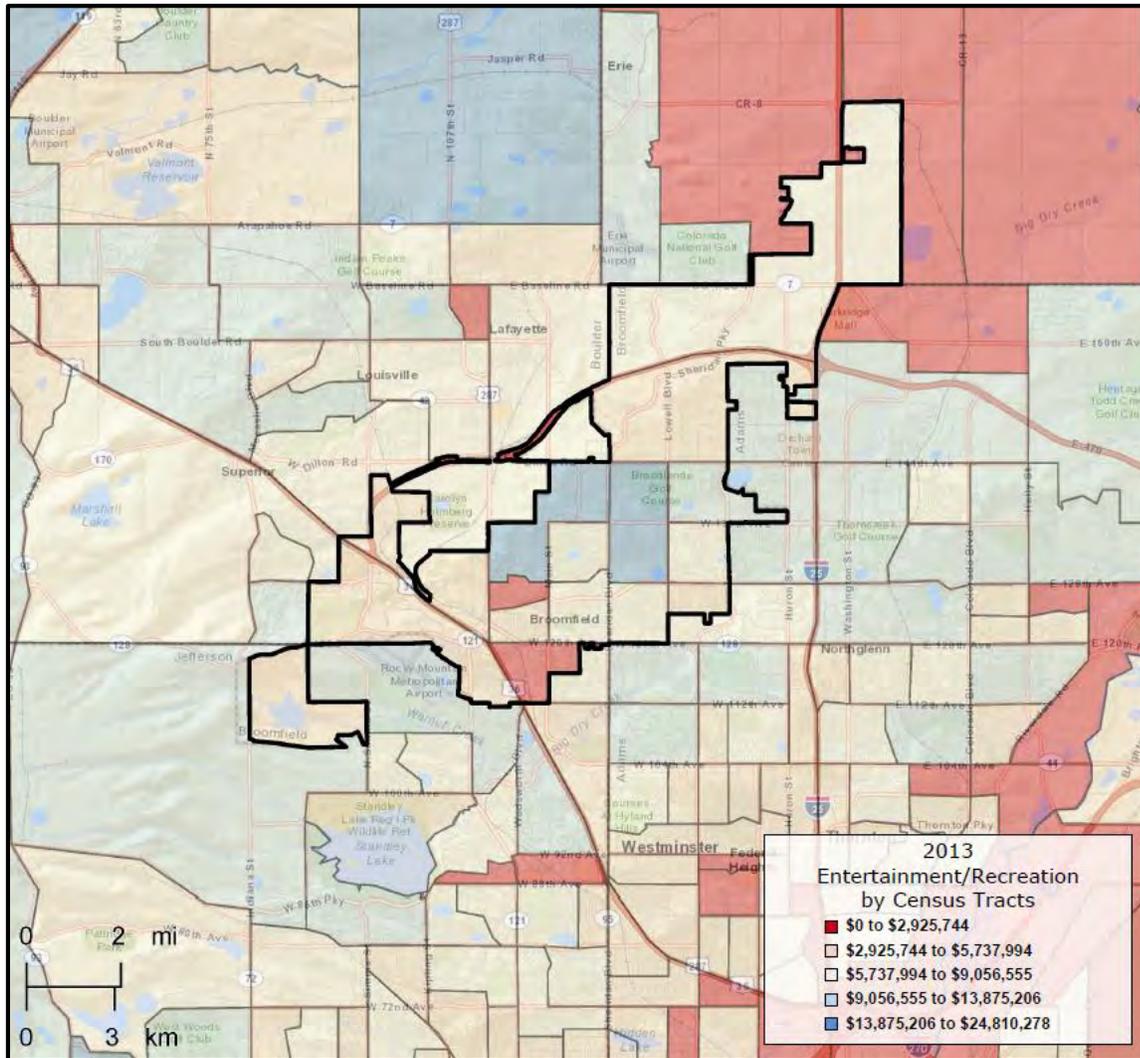
The Spending Potential Index for Recreation is very comparable to the numbers in the Household Budget Index as they follow the same pattern.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Map C – Entertainment & Recreation Spending Potential Index by Census Tract:

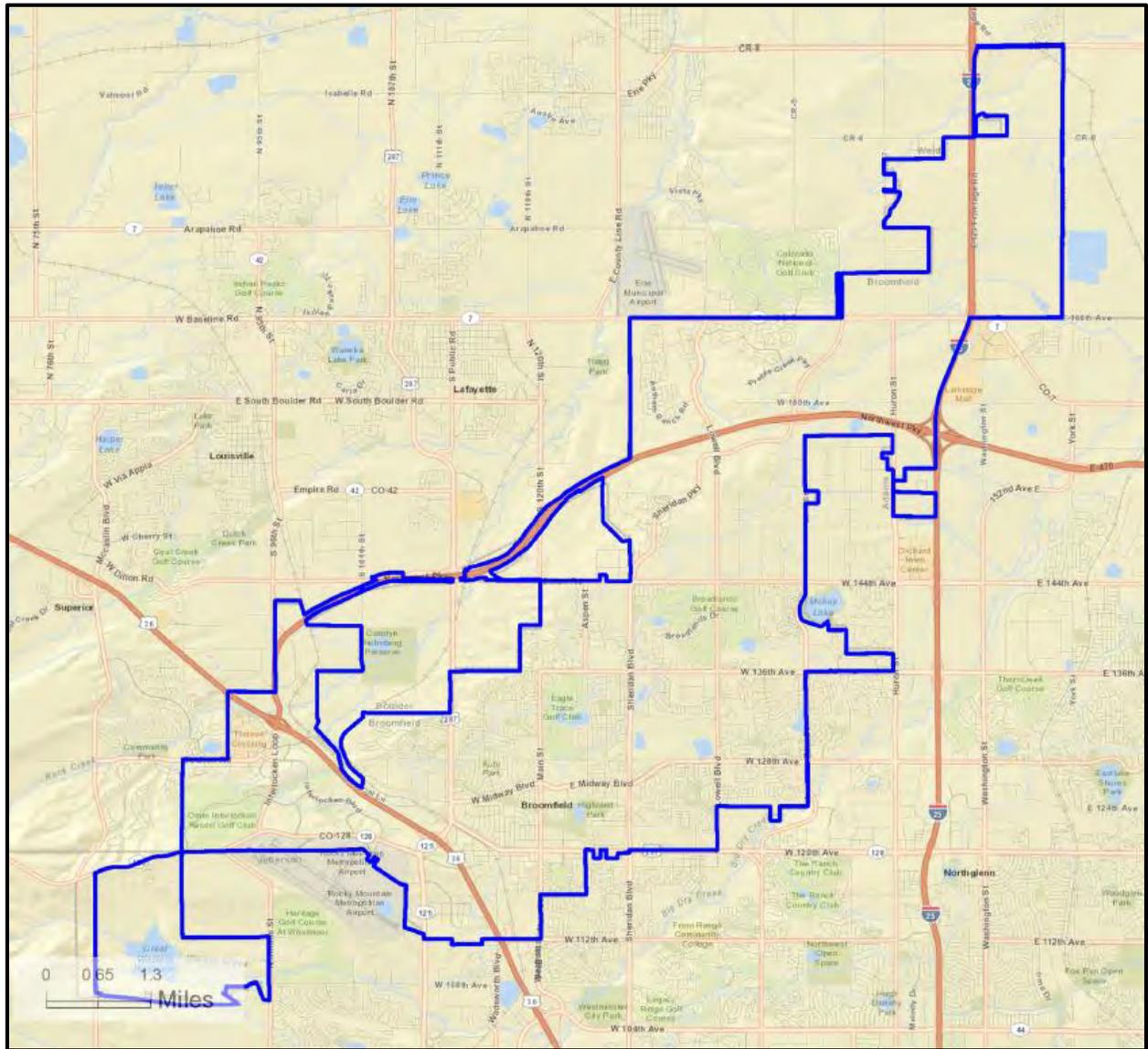


DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Map D – City and County of Broomfield Map:



DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Population Distribution by Age: Utilizing census information for the City and County of Broomfield, the following comparisons are possible.

Table E – 2013 City and County of Broomfield Age Distribution

(ESRI estimates)

Ages	Population	% of Total	Nat. Population	Difference
-5	4,107	6.8%	6.5%	+0.3%
5-17	11,262	18.5%	17.2%	+1.3%
18-24	4,566	7.5%	9.8%	-2.3%
25-44	17,746	29.6%	26.5%	+3.1%
45-54	8,954	14.9%	14.1%	+0.8%
55-64	7,08	11.8%	12.3%	+0.5%
65-74	3,805	6.4%	7.5%	+1.1%
75+	2,627	4.4%	6.1%	-1.5%

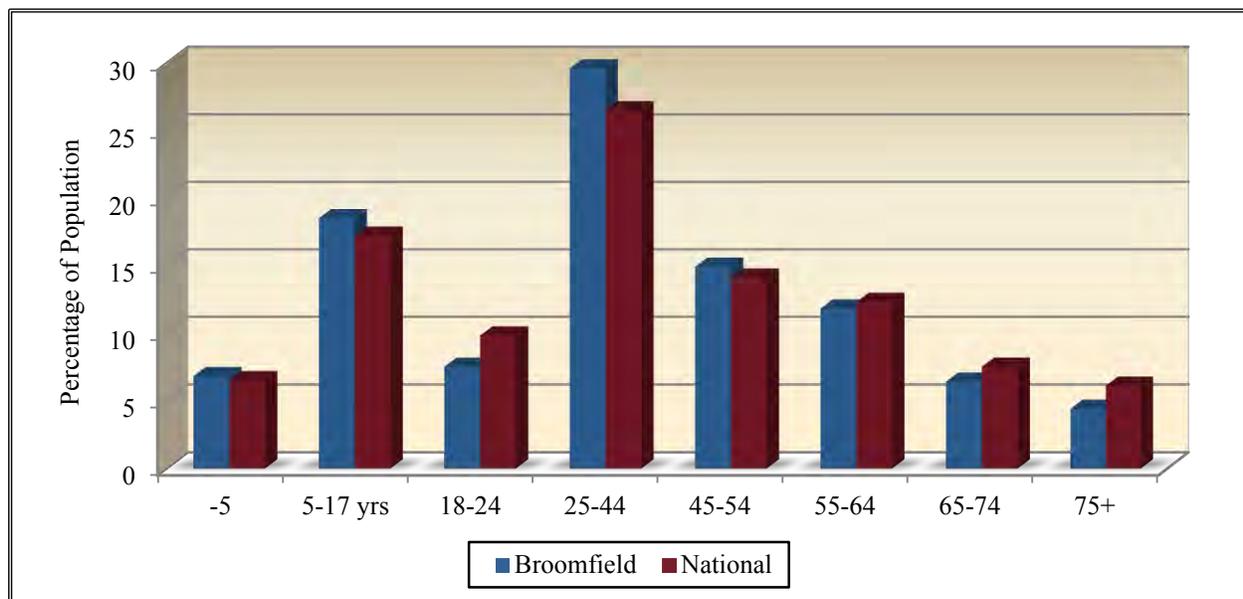
Population: 2013 census estimates in the different age groups in the City and County of Broomfield.

% of Total: Percentage of the City and County of Broomfield/population in the age group.

National Population: Percentage of the national population in the age group.

Difference: Percentage difference between the City and County of Broomfield population and the national population.

Chart E – 2013 City and County of Broomfield Age Group Distribution



DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



The demographic makeup of the City and County of Broomfield, when compared to the characteristics of the national population, indicates that there are some differences with an equal or larger population in the -5, 5-17, 25-44, 45-54, 55-64 and 65-74 age groups and a smaller population in the 18-24 and 75+ age groups. The largest positive variance is in the 25-44 age group with +3.1%, while the greatest negative variance is in the 18-24 age group with -2.3%.

Population Growth: City and County staff have developed the following overall population growth numbers for the community.

Table F – City and County of Broomfield Future Population Estimates

Year	Estimated Population
2015	61,654
2020	68,004
2025	75,008
2030	82,734
2035	91,256
2037	94,905

Chart F – City and County of Broomfield Population Growth Estimates

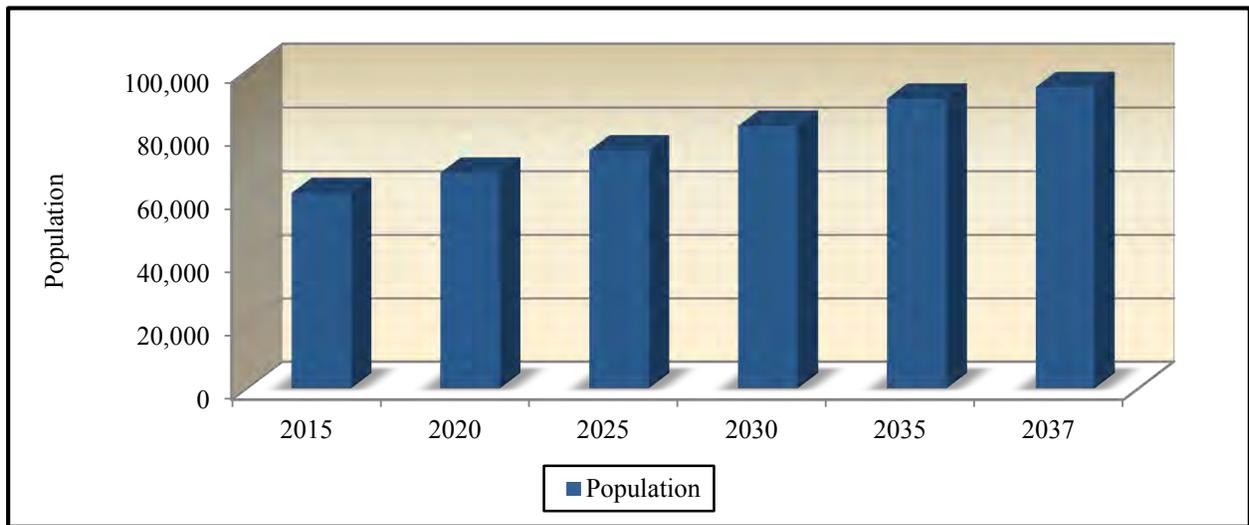


Table-F indicates that from the City and County’s current population of approximately 60,000, will grow by approximately 58% in the next 23 years.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Population Distribution Comparison by Age: Utilizing census information for the City and County of Broomfield, the following comparisons are possible.

Table G – 2013 City and County of Broomfield Population Estimates by Age
(U.S. Census Information and ESRI)

Ages	2010 Census	2013 Projection	2018 Projection	Percent Change	Percent Change Nat'l
-5	3,944	4,107	4,618	+17.1%	+4.7%
5-17	10,708	11,262	12,505	+16.8%	+1.8%
18-24	4,313	4,566	4,530	+5.0%	-2.4%
25-44	16,761	17,746	19,706	+17.6%	+10.4%
45-54	8,639	8,954	9,234	+6.9%	-6.2%
55-64	6,016	7,086	8,264	+37.4%	+13.7%
65-74	3,108	3,805	5,121	+64.8%	+32.9%
75+	2,400	2,627	3,066	+25.3%	+9.5%

Chart G – City and County of Broomfield Population Growth by Age

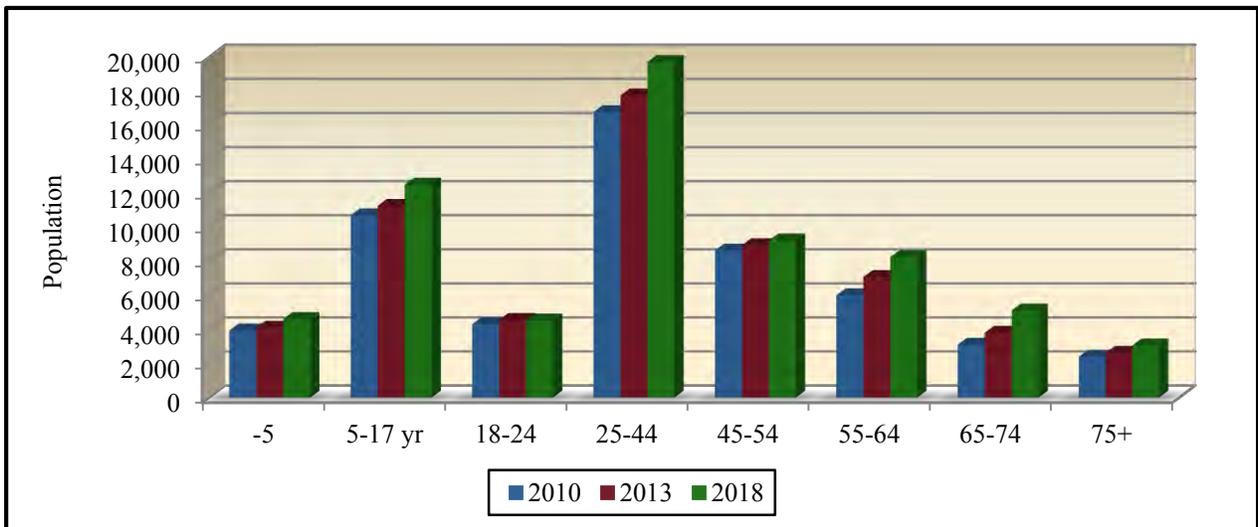


Table-G, illustrates the growth or decline in age group numbers from the 2010 census until the year 2018. It is projected that all of the age categories will see an increase in population. It must be remembered that the population of the United States as a whole is aging and it is not unusual to find negative growth numbers in the younger age groups and significant net gains in the 45 plus age groupings in communities which are relatively stable in their population numbers.

DEMOGRAPHIC & SPORTS PARTICIPATION



City & County of Broomfield, CO Field Use and Demand Analysis Study

Ethnicity and Race: Below is listed the distribution of the population by ethnicity and race for the City and County of Broomfield for 2013 population projections. Those numbers were developed from 2010 Census Data.

Table H – City and County of Broomfield Ethnic Population and Median Age

(Source – U.S. Census Bureau and ESRI)

Ethnicity	Total Population	Median Age	% of Population	% of CO Population
Hispanic	7,167	26.6	11.9%	21.6%

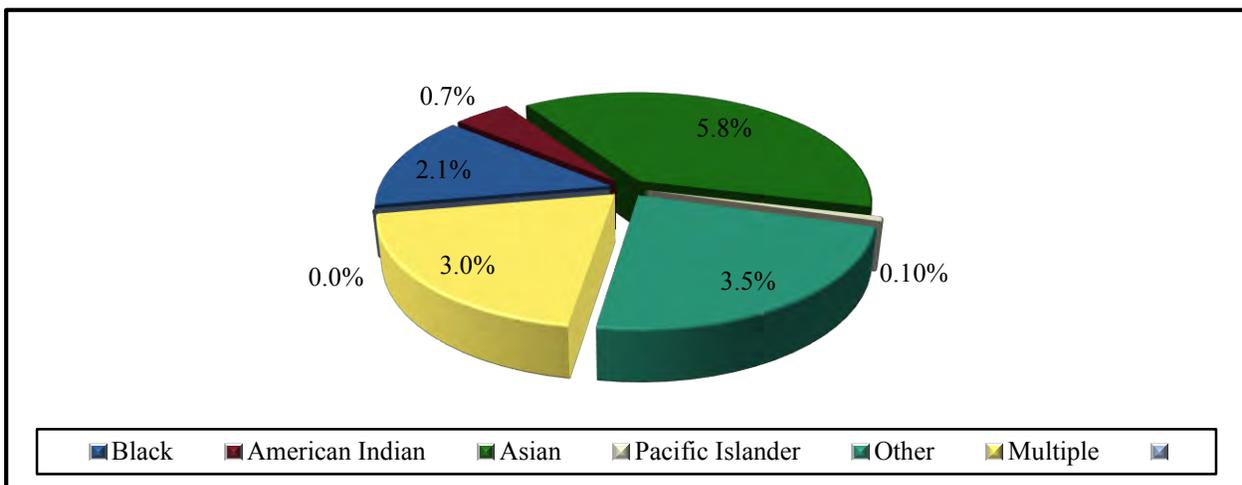
Table I – City and County of Broomfield Population by Race and Median Age

(Source – U.S. Census Bureau and ESRI)

Race	Total Population	Median Age	% of Population	% of CO Population
White	50,977	38.5	84.7%	80.5%
Black	1,257	33.9	2.1%	4.2%
American Indian	436	32.6	0.7%	1.1%
Asian	3,466	33.7	5.8%	2.8%
Pacific Islander	69	35.5	0.1%	0.1%
Other	2,118	27.2	3.5%	7.6%
Multiple	1,830	15.1	3.0%	3.6%

2013 City and County of Broomfield Total Population: 60,153 Residents

Chart H – City and County of Broomfield Non-White Population by Race



DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Tapestry Segments: In addition to exploring the age group distribution, population growth along with ethnicity and race of the service area, B*K can further study the service area by examining the various tapestry segments. The following table outlines the top 5 tapestry segments within the City and County of Broomfield and provides definitions for each of the tapestries.

Table J– City and County of Broomfield Tapestry Segment Comparison

(ESRI estimates)

	City and County of Broomfield		U.S. Households	
	Percent	Cumulative Percent	Percent	Cumulative Percent
Boomburbs (04)	22.9%	22.9%	2.4%	2.4%
In Style (13)	16.4%	39.3%	2.3%	4.7%
Sophisticated Squired (06)	8.3%	47.6%	2.5%	7.2%
Metro Renters (27)	8.1%	55.7%	1.6%	8.8%
Suburban Splendor (02)	8.0%	63.7%	1.7%	10.5%

Boomburbs (04) – These neighborhoods are home to busy, affluent young families. This segment of tapestry is home to one of the highest concentrations of young families with children. The median age is 33.8 years; 1/5 of residents are between 35-44 years of age. There is little ethnic diversity in the population.

In Style (13) – These residents live in the suburbs but prefer the city lifestyle. Professional couples predominate and household distribution by type are similar to those of the U.S. Married couple families represent 54% of households. Households without children comprise more than 2/3 of all households. There is little diversity in these neighborhoods.

Sophisticated Squires (06) – These residents enjoy cultured country life on the urban fringe. These city escapees accept longer commutes to live near fewer neighbors. Mostly married couple families; more than 40% of the households are married couples with children that range from toddlers to young siblings. This segment is not ethnically diverse; most residents are white.

Metro Renters (27) – Young, educated singles, these residents are just beginning their professional careers in some of the largest U.S. cities. Residents will sometimes share housing with a roommate to help defray the cost of their high rent. Approximately 30% are in the 20s and 14% are in their early 30s; diversity is similar to the U.S.

Suburban Splendor (02) – These residents are families who live in growing suburban neighborhoods. Married couple families with and without children comprise 8 in 10 households. Nearly ½ of the population is 35-64 years and there is little diversity in these neighborhoods.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Demographic Summary

The following summarizes the demographic characteristics of the City and County.

- The City and County of Broomfield population at approximately 60,000 is significant and the planned growth to nearly 95,000 (according to City and County population projections for 2037) in the next 24 years will place an added demand for new athletic fields.
- The population of the City and County is younger with a significant number of children. The growth rate for children age 5-17 is expected to increase by nearly 17% in the next five years. This factor also indicates the continued demand for athletic fields in the future.
- The median household income is significantly higher than both the State and National number. This higher income level is also consistent with a higher cost of living and the fact that more dollars are being spent on entertainment and recreation. With higher disposable income levels, rates of participation in sports activities increases as well.
- The diversity in the City and County is relatively low, however there is a growing Hispanic population.
- Tapestry segment for the City and County emphasizes the presence of young professionals and families with young children as indicated by the age distribution.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Sports Participation Numbers:

In addition to analyzing the demographic realities of the City and County of Broomfield, it is possible to project possible participation in recreation and sport activities.

Participation Numbers: On an annual basis the National Sporting Goods Association (NSGA) conducts an in-depth study and survey of how Americans spend their leisure time. This information provides the data necessary to overlay rate of participation onto the City and County of Broomfield to determine market potential.

B*K takes the national average and combines that with participation percentages of the City and County of Broomfield based upon age distribution, median income and region. Those four percentages are then averaged together to create a unique participation percentage for the City and County. This participation percentage when applied to the population of the City and County then provides an idea of the market potential for various activities.

Field Sports Related Participation: These sports are typical activities that would take place in an active park with a focus on fields (rectangle & diamond).

Table K – Recreation Activity Participation Rates for the City and County of Broomfield

Activity	Age	Income	Region	Nation	Average
Baseball	4.5%	5.0%	3.1%	4.2%	4.2%
Football (tackle)	2.8%	3.5%	1.4%	2.8%	2.6%
Lacrosse	0.1%	0.8%	0.2%	1.0%	0.5%
Soccer	5.1%	4.4%	4.9%	4.8%	4.8%
Softball	3.8%	3.5%	3.3%	3.7%	3.6%

	Age	Income	Region	Nation	Average
Did Not Participate ⁴	18.9%	13.7%	18.4%	21.9%	18.2%

- Age:** Participation based on individuals ages 7 & Up of the City and County of Broomfield.
- Income:** Participation based on the 2013 estimated median household income in the City and County of Broomfield.
- Region:** Participation based on regional statistics (Mountain).
- National:** Participation based on national statistics.
- Average:** Average of the four columns.

⁴ Refers to individuals that did not participate in any of the 47 activities outlined in the 2012 NSGA survey.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Anticipated Participation Numbers by Sport: Utilizing the average percentage from Table-K above plus the 2010 census information and census estimates for 2013 and 2018 (over age 7) the following comparisons can be made.

Table L – Participation Rates City and County of Broomfield

Activity	Average	2010 Part.	2013 Part.	2018 Part.	Difference
Baseball	4.2%	2,106	2,276	2,537	+430
Football (tackle)	2.6%	1,319	1,425	1,588	+269
Lacrosse	0.5%	268	290	323	+55
Soccer	4.8%	2,408	2,602	2,900	+492
Softball	3.6%	1,798	1,943	2,166	+367

	Average	2010 Part.	2013 Part.	2018 Part.	Difference
Did Not Participate	18.2	9,148	9,887	11,018	+1,869

Note: The estimated participation numbers indicated above are for various sports that could take place on athletic fields, and do not translate into use figures for programs taking place in the City and County of Broomfield. It should also be noted that the “Did Not Participate” statistics refers to all 47 activities outlined in the NSGA 2012 Survey Instrument.

Participation Rates by Youth Age Groups: The following is the rate of participation in field sports by youth age groups. This is a national statistic.

Table M – Participation Rates by Age

Activity	Age-7-11	Age-12-17
Baseball	13.9%	10.5%
Football (tackle)	7.3%	12.5%
Lacrosse	1.6%	4.7%
Soccer	19.8%	11.5%
Softball	7.8%	7.3%

The rate of participation in each field sport is much higher in the youth age groups than it is in the population as a whole.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Anticipated Youth Participation Numbers by Sport: Utilizing the percentage from Table-M above plus the 2010 census information and census estimates for 2013 and 2018 the following comparisons can be made.

Table N – Participation Rates by Youth Age 7-11 in the City and County of Broomfield

Activity	Part. %	2010 Part.	2013 Part.	2018 Part.	Difference
Baseball	13.9%	595	635	688	+93
Football (tackle)	7.3%	313	334	361	+48
Lacrosse	1.6%	69	73	79	+10
Soccer	19.8%	848	905	980	+132
Softball	7.8%	334	357	386	+52

Table O – Participation Rates by Youth Age 12-17 in the City and County of Broomfield

Activity	Part. %	2010 Part.	2013 Part.	2018 Part.	Difference
Baseball	10.5%	492	514	572	+80
Football (tackle)	12.5%	585	612	681	+96
Lacrosse	4.7%	220	230	256	+36
Soccer	11.5%	538	563	627	+89
Softball	7.3%	342	357	398	+56

It is anticipated that there will be increases in the rate of participation by youth in each of the field sports.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Participation by Ethnicity and Race: Participation in sports activities is also tracked by ethnicity and race. The table below compares the overall rate of participation nationally with the rate for Hispanics and African Americans. Utilizing information provided by the National Sporting Goods Association's 2012 survey, the following comparisons are possible.

Table P – Comparison of National, African American and Hispanic Participation Rates

	City/County of Broomfield	National Participation	African American Participation	Hispanic Participation
Baseball	4.2%	4.2%	3.7%	4.9%
Football (tackle)	2.6%	2.8%	5.8%	5.4%
Lacrosse	0.5%	1.0%	1.2%	1.7%
Soccer	4.8%	4.8%	3.1%	8.5%
Softball	3.6%	3.7%	2.0%	4.1%

Primary Service Part: The unique participation percentage developed for the City and County of Broomfield.

National Rate: The national percentage of individuals who participate in the given activity.

African American Rate: The percentage of African Americans who participate in the given activity.

Hispanic Rate: The percentage of Hispanics who participate in the given activity.

Based on the fact that there is a significant Hispanic population in the City and County of Broomfield, these participation rates become more relevant to the impact on overall participation percentages. It should be noted that no participation rates are available for Asian or other minority populations.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Summary of Sports Participation: The following chart summarizes participation in both indoor and outdoor activities utilizing information from the 2012 National Sporting Goods Association survey.

Table Q – Sports Participation Summary

Sport	Nat'l Rank ⁵	Nat'l Participation (in millions)	City/County of Broomfield
Exercise Walking	1	102.1	36.7%
Exercising w/ Equipment	2	57.7	21.8%
Swimming	3	48.6	17.6%
Aerobic Exercising	5	44.8	17.4%
Running/Jogging	7	40	14.6%
Workout @ Club	10	39.3	13.8%
Weightlifting	11	35.2	11.9%
Basketball	13	31.1	9.5%
Yoga	14	22.9	7.6%
Soccer	20	13.7	4.8%
Tennis	21	13.6	4.8%
Baseball	23	12.1	4.2%
Softball	26	10.5	3.6%
Volleyball	28	10.3	3.5%
Football (tackle)	29	7.9	2.6%
Cheerleading	42	3.3	1.2%
Lacrosse	46	2.7	0.5%

- Nat'l Rank:** Popularity of sport based on national survey.
- Nat'l Participation:** Percent of population that participate in this sport on national survey.
- Primary Service %:** Ranking of activities based upon average from Table-K.
- Primary Service Rank:** The rank of the activity within City and County of Broomfield.

⁵ This rank is based upon the 47 activities reported on by NSGA in their 2012 survey instrument.

DEMOGRAPHIC & SPORTS PARTICIPATION

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Rugby and Ultimate Frisbee Participation: Even though the NSGA does not chart participation in rugby and ultimate Frisbee, the Sporting Goods Manufacturers Association (SGMA) in its 2011 study of sports in the United States did include some basic participation characteristics.

Rugby –

- There were 1,130,000 rugby participants in the United States.
- .4% of the population (age 6 and older) participated in rugby in 2010.
- 66% of all rugby participants are between 25 to 54 years old.
- 43% of all rugby participants have a household income of at least \$75,000 per year.
- 38% of all rugby players also play tackle football, 40% play outdoor soccer, and 38% play indoor soccer.
- The Mountain region of the United States had 113,000 rugby participants.
- In the Mountain region .6% of the population (age 6 and older) participated in rugby, which is higher than the national number.

Ultimate Frisbee –

- Membership in USA Ultimate has grown from 19,234 in 2004 to 34,894 in 2011.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Comparison of State Statistics with National Statistics: Utilizing information from the National Sporting Goods Association, the following charts illustrate the participation numbers in selected sports in the State of Colorado.

State of Colorado participation numbers in selected indoor and outdoor sports - As reported by the National Sporting Goods Association in 2012.

Table R – Colorado Participation Rates

Sport	Colorado Participation (in thousands) ⁶	Age Group	Largest Number
Exercise Walking	1,882	55-64	45-54
Exercising w/ Equipment	1,386	25-34	25-34
Swimming	599	7-11	35-44
Aerobic Exercising	1,252	25-34	25-34
Running/Jogging	885	18-24	25-34
Workout @ Club	751	18-24	45-54
Weightlifting	824	18-24	25-34
Basketball	298	12-17	12-17
Yoga	495	25-34	25-34
Soccer	181	7-11	7-11
Tennis	260	7-11	25-34
Baseball	97	7-11	7-11
Softball	65	7-11	25-34
Volleyball	108	12-17	12-17
Football (tackle)	61	12-17	12-17
Gymnastics	0	7-11	7-11
Cheerleading	0	7-11	7-11
Lacrosse	0	12-17	12-17

CO Participation: The number of people (in thousands) in Colorado who participated more than once in the activity in 2012 and are at least 7 years of age.

Age Group: The age group in which the sport is most popular or in other words, where the highest percentage of the age group participates in the activity. (Example: The highest percent of an age group that participates in exercise walking is 55-64.) **This is a national statistic.**

Largest Number: The age group with the highest number of participants. Example: The greatest number of exercise walkers is in the 45-54 age group. (Note: This statistic is driven more by the sheer number of people in the age group than by the popularity of the sport in the age span.) **This is a national statistic.**

⁶ Activities that shows a “0” for participation indicates that data for that activity was not submitted.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Colorado sport percentage of participation compared with the population percentage of the United States:

Colorado's population represents 1.6% of the population of the United States (based on 2013 Estimates).

Table S – Colorado Participation Correlation

Sport	Participation Percentages
Aerobic Exercising	2.8%
Weightlifting	2.6%
Exercising w/ Equipment	2.4%
Running/Jogging	2.2%
Yoga	2.2%
Workout @ Club	2.1%
Tennis	1.9%
Exercise Walking	1.8%
Soccer	1.3%
Swimming	1.2%
Basketball	1.2%
Volleyball	1.0%
Baseball	0.8%
Football (tackle)	0.8%
Softball	0.6%
Cheerleading	0.0%
Lacrosse	0.0%

Note: Sports participation percentages refer to the total percent of the national population that participates in a sport that comes from the State of Colorado's population. The fact that each of the field sports have a rate of participation below the percentage of the population indicates a lower level of participation in these sports activities compared to the national level.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Recreation Activity and Facility Trends: Below are listed sports and the percentage of growth or decline that each has experienced nationally over the last 10 years (2003-2012).

Table T – National Activity Trend (in millions)

Sport/Activity	2012 Participation	2003 Participation	Percent Change
Yoga ⁷	22.9	6.3	+263.5%
Lacrosse⁸	2.7	1.2	+125.0%
Running/Jogging	40.0	22.9	+74.7%
Aerobic Exercising	44.8	28.0	+60.0%
Gymnastics	5.7	3.9	+46.2%
Tennis	13.6	9.6	+41.7%
Exercise Walking	102.1	79.5	+28.4%
Soccer	13.7	11.1	+23.5%
Weight Lifting	31.1	25.9	+20.1%
Workout @ Club	35.2	29.5	+19.3%
Exercising w/ Equipment	57.7	48.6	+18.7%
Swimming	48.6	47.0	+3.4%
Volleyball	10.3	10.4	-1.0%
Basketball	25.6	27.9	-8.2%
Football (tackle)	7.9	8.7	-9.2%
Softball	10.5	11.8	-11.0%
Baseball	12.1	14.6	-17.1%
Cheerleading	3.3	4.1	-19.5%

2012 Participation: The number of participants per year in the activity (in millions) in the United States.

2003 Participation: The number of participants per year in the activity (in millions) in the United States.

Percent Change: The percent change in the level of participation from 2003 to 2012.

⁷ Participation trend since 2007.

⁸ Participation trend since 2007.

DEMOGRAPHIC & SPORTS PARTICIPATION

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Rugby and Ultimate Frisbee Participation – The SGMA shows the following national participation trends.

Table U – Rugby and Ultimate Frisbee Participation Trends

Sport	2007	2008	2009	2010	Percent Change
Rugby	617,000	690,000	750,000	1,130,000	+83.1%
Ultimate	1,318,000	1,359,000	1,273,000	1,396,000	+5.9%

Field Sports Participation Summary

The following summarizes the sports participation information.

- The most popular field sports (of those included in this report) are soccer and baseball.
- It is anticipated that from 2010 to 2018 there will be growth in the rate of participation in all field sports. However, this is primarily due to the growth in population.
- The 7-11 age group represents the highest rate of participation in baseball, soccer and softball but age 12-17 has the highest rate of participation in football and lacrosse.
- While Colorado’s rate of participation in most sports activities is generally lower, the rates for the specific Broomfield area are higher than the participation rate at the national level.
- Nationally, the sports that have seen the greatest growth in participation in the last ten years are rugby (from 2007), and lacrosse (since 2007). The sports that have shown a decline are football, softball and baseball.

EXISTING ATHLETIC FIELDS ASSESSMENT

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Section III – Existing Athletic Fields Assessment

The City and County of Broomfield is the primary provider of most athletic fields for not only Parks and Recreation programs but also for the five youth sports associations that are recognized by the City and County. In addition the City and County also provides some playing fields for school district teams as well as some limited outside group uses.

The following is an assessment of the existing athletic fields that the City and County owns, maintains or schedules for field sports activities including practices, games and tournaments.

Current Athletic Fields Inventory: The City and County does not currently classify its fields into categories but rather schedules and assigns use based on the appropriateness of the field for games, practices or both.

The inventory of fields includes:

Baseball/Softball Fields (Diamond Fields)

- There are a total of 37 diamond fields in the City and County’s inventory, 12 of which are school district fields.
- There is a vast difference in the level of development of these fields from lighted, game quality fields, to simple skinned infields with a back stop.
- There are two large complexes with lighted fields
 - Community Park – 4 fields
 - Broomfield Industrial Park – 4 fields
- Two lighted fields are also planned at Anthem Park in the future.
- There are only 4 full sized baseball fields in the City and County.
- The vast majority of the fields are in the southern portion of the City and County.
- According to Parks and Recreation Staff, 78% of the use of diamond fields is for City and County programs while 20% is for recognized youth field sports organizations. The other 2% of use is for school teams and outside groups.

EXISTING ATHLETIC FIELDS ASSESSMENT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Diamond Field Listing (Baseball/Softball)

Park/Location	Number of Fields
<i>City and County Fields</i>	
Brandywine	1
Broadlands West	1
Bronco	1
Broomfield Industrial Park (includes Thomas, Clapper, Lange and Rockies)	4
Columbine East & West	2
Community Park	4
Country Estates	1
Country Vista	1
Greenway Park	1
Interlocken West Park	2
Lac Amora Park	1
MacKay Landing	1
Midway Park	1
Northmoor Park	1
Quail Creek Park	2
Zang Spur Park	1
Sub Total	25
<i>School District Fields</i>	
Aspen Creek	1
Broomfield Heights Middle School	1
Broomfield High School	2
Centennial Elementary School	2
Coyote Ridge Elementary School	1
Emerald Elementary School	1
Holy Family High School	1
Kohl Elementary School	1
Legacy High School	2
Sub Total	12
Grand Total	37

EXISTING ATHLETIC FIELDS ASSESSMENT

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Soccer/Football Fields (Rectangular Fields)

- There are 45 developed fields in the City and County’s inventory, 14 of which are school fields. In addition there are another 24 open areas that are utilized as practice sites for soccer or football.
- There is a vast difference in the level of development of these fields from game quality fields to basic open grass areas that have soccer goals.
- There is one large multi field complex at Broomfield Commons.
 - There are two “pods” available and each can accommodate up to 4 football fields or 4 full-sized soccer fields.
 - There is one artificial turf field that can be used for football, soccer or lacrosse.
 - The exact number of fields at this location depends on how the overall space is utilized (primarily for soccer).
 - There are preliminary plans to develop a third “pod” that would add another 4 football fields or 4 full-sized soccer fields. These could be artificial turf fields as well.
 - A soccer/football field with artificial turf and lights (the City and County paid for the artificial turf and lights) is being developed as part of Jefferson Academy and will be available for some City and County use in the next year.
- There are no lighted soccer/football fields that the City and County owns.
- The outfields of the baseball/softball fields at Community Park are also utilized for late fall practices so teams can take advantage of the lights.
- The vast majority of the fields are in the southern portion of the City and County.

EXISTING ATHLETIC FIELDS ASSESSMENT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Rectangular Fields (Soccer/Football)

Park/Location	Number of Fields	Open Areas
<i>City and County Fields</i>		
Anthem 21		1
Anthem-Sienna Park	2	
Brandywine East, West & South (Bowl)	2	1
Broadlands West	3	1
Centennial	1	
Columbine East & West		1
Columbine South		1
Commons (Red Pod, Blue Pod & Champ.)	9	
Community Park	Use of outfields	1
Country Estates	1	1
Country Vista	1	
Crofton Park		1
Del Corso Park		1
Discovery Park		1
Greenway Park	1	1
Highland Park	5	1
Interlocken East Park		1
Lac Amora		1
Legacy Park	2	
Mackay Landing	1	1
Midway Park		2+
Northmoor Park	1	1
Quail Creek Park	1	1
Wildgrass Park	1	
Willow Park		3
Zang Spur		1
Sub Total	31	23
<i>School District Fields</i>		
Aspen Creek	1	
Broomfield Heights Middle School	2	
Broomfield High School	2	
Centennial Elementary School	1	
Coyote Ridge Elementary School	1	
Kohl Elementary School	3	
Legacy High School	3	
Westlake	1	1
Sub Total	14	1
Grand Total	45	24

EXISTING ATHLETIC FIELDS ASSESSMENT

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



Field Conditions: It is not just the number of fields that are available for field sports that is important but also the condition of the fields themselves. While the Parks and Recreation staff does an outstanding job maintaining the athletic fields that are under their control, not all of the fields in the City and County are in ideal condition. The following list that was developed by Parks and Recreation staff identifies the fields that have some deficiency that either requires renovation or an increase in the level of maintenance.

Diamond Baseball/Softball Fields	Acreage	Deficiencies	School Field	CIP Request in place
Aspen Creek	1.2	temporary building in field of play, bad lip	Yes, Boulder Valley	
BHMS	2.3	poor turf quality, bad lip	Yes, Boulder Valley	
BHMS South	3	2 backstops in place, no other improvements	Yes, Boulder Valley	
Brandywine	1.2	no player benches/dugouts	No	
Centennial North	1.2	backstop in poor shape, no player benches/dugouts	Yes, Adams 12	
Centennial South	1.2	backstop in poor shape, no player benches/dugouts	Yes, Adams 12	
Coyote Ridge	0.05	small field, irregular backstop, no player benches/dugouts	Yes, Adams 12	
Emerald East	1	poor turf quality, backstop in poor shape, no player benches/dugouts	No	Yes, 2016
Emerald West	1.3	poor turf quality, bad lip, backstop in poor shape, no player benches/dugouts	No	Yes, 2016
Kohl	1	small field, bad lip, no player benches/dugouts	Yes, Boulder Valley	
Westlake Middle School	3	3 small backstops in place, no other improvements	Yes, Adams 12	

EXISTING ATHLETIC FIELDS ASSESSMENT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Rectangular Football/Soccer Fields	Acreage	Deficiencies	School Field	CIP Request in Place
Brandywine East	1.8	valve boxes in critical areas of field of play (reuse system)	No	
Brandywine West	2.9	valve boxes in critical areas of field of play (reuse system)	No	

It should be noted that the vast majority of fields that have deficiencies (especially for the diamond fields) are school district facilities.

Field Allocation Process: The Parks and Recreation Department uses two different methods for assigning fields. For baseball/softball fields the process is rather complex but very thorough, while the method for soccer/football is more basic and traditional. Both field allocation processes have been developed to follow the City and County Council’s resolution for Rules for League Use of Ball Fields and the prescribed priorities of use. The Department’s field allocation process is fair and equitable for all organizations and is one of the most comprehensive processes for baseball/softball that has been seen. Basic tenants of this process include:

- The City and County designates youth sports organizations by recreation and competitive and they must be approved by the City and County to receive a permit.
- Each organization that is going to be provided fields must submit a roster of all players with resident, non-resident status noted. This is required within one month of the first game.
- Priorities for field allocation:
 - City and County activities
 - School district activities (in accordance with any IGA’s)
 - Leagues: Recreation (with a City and County permit)
 - Leagues: Competitive or travel (with a City and County permit)
 - Leagues: Tournaments, camps and clinics (leagues with a City and County permit)
 - Others: Private rentals (leagues with a City and County permit)
- Field use priorities for leagues with City and County permits are established in accordance with the percentage of resident players that are in the organization. Organizations with higher percentage of residents receive more field time.

EXISTING ATHLETIC FIELDS ASSESSMENT

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



-
- For baseball/softball fields the allocation process is broken down into four time periods (utilizing the 2014 calendar).
 - Period 1 – March 1-March 9
 - Period 2 – March 10-April 26
 - Period 3 – April 27-May 18
 - Period 4 – May 19-End of Season

It should be noted that the allocation issue is the most acute during Period 4, with minimal issues during the other time periods or during the limited fall season.

- For baseball/softball fields they are then assigned based on the following criteria:
 - Residency
 - Games
 - Age group (field size)
 - Practices
 - Lights/no lights

This criteria is then utilized to assign fields to individual groups on a per field, per game basis. Organizations may be assigned to different fields on different nights in an effort to be fair and equitable to all groups.

- For soccer/football fields the process of assigning fields is much easier. There are specified fields for different sports by season (spring or fall) and differences by season (balancing football and soccer in the fall and just soccer in the spring). As a result, fields and field complexes are assigned on a block scheduling basis to the different organizations who then develop their own schedules.

Existing Athletic Fields Assessment Issues: There are a number of key issues associated with both the inventory of fields and the field allocation process. This includes:

Field Inventory

- The more developed fields are the primary locations for most games and practices. True game fields are limited in number with the vast majority of fields in the inventory being basic fields with few improvements that can be utilized for some games but mostly serve practices.
- The developed fields are spread around the City and County in one or two field configurations with only two large field complexes for diamond sports and one for rectangular sports being available.

EXISTING ATHLETIC FIELDS ASSESSMENT

*City & County of Broomfield, CO
Field Use and Demand Analysis Study*



-
- The vast majority of the fields are in the southern portion of the community.
 - The more basic fields and open space areas are primarily being utilized for practices. Many of these fields are either not in good enough condition for game use, lack the proper amenities (restrooms, backstops, etc.), or are not appropriate for this type of use (some open areas). This pushes up the overall inventory of fields beyond what is truly useable.
 - Despite the fact that there are a large number of rectangular fields in the inventory, the fact that there are no lighted fields limits the value and use of the existing fields.
 - Approximately 30% or more of the fields in the inventory are school fields. This limits their use to some extent and the level of maintenance that can be expected.
 - There are approximately 30% of the diamond fields that need improvements. This is a high number. The need for improvements to rectangular fields is much less.

Field Allocation Process

- The real focus of the field allocation process is making sure that there is a fair and equitable process for scheduling diamond fields. This is where there are the greatest issues with field use.
- The pressure for scheduling diamond fields is in Period 4 from mid-May to the end of the summer season. The other 3 time periods and the fall season are not under the same demand.
- Diamond fields are scheduled giving all the different programs (including Parks and Recreation) the opportunity to play on the better fields at Community Park and Broomfield Industrial Park. As a result organizations and teams do not have “home” fields and are often moved from one field to another for games and practices.
- The diamond field allocation process requires a great deal of staff time to complete.
- The demand for rectangular fields use is much less than for diamond fields and results in much more flexibility in scheduling for the various user groups. Football and soccer organizations have “home” fields and are able to schedule their own practice and game times.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study

Section IV – User Group Input

One of the keys to completing the field use and demand analysis is to understand the different needs and characteristics of users of the athletic fields in Broomfield. To accomplish this, a survey was first sent to each organization to document basic information about their program. After this, a meeting was held with each of the groups to learn more about their concerns and issues with the use and assigning of playing fields. The organizations that were contacted included:

- Broomfield Youth Football Association
- Broomfield Blitz Football Club
- Broomfield Soccer Club
- Broomfield Baseball League
- Thunder Baseball League

The following are brief summaries from the meetings and the survey results (the actual surveys for each user group are included in the Appendix).

Broomfield Youth Football

They are the recreation oriented youth football league in the City and County and they only play games internally within the organization. The organization has been in Broomfield for 52 years. Teams are formed by draft to make them more even.

Season: Mid-August to Mid October, run a small tournament in November.

Age Groups: Flag-6-7, Minis-8-9, Minors-10-11, Majors-12-13

Primary Fields: Commons, BHS, multiple parks for practices

Youth Associations	Resident	Non-Resident	Total number of Players	Res %	# of Teams
BYFA-Football 2013	305	176	481	63%	34
BYFA-Football 2012	325	167	492	66%	34
BYFA-Football 2011	309	167	476	65%	32
BYFA-Football 2010	326	164	490	67%	24
BYFA-Football 2009	380	211	591	64%	40

% Residents: Over the last 5 years the organization as averaged 65% residents.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study

Future: The program has held reasonably steady for the last few years. No real growth is expected except in the flag league.

Issues:

- Would like more fields for games, practices are not an issue. The new Yellow pod at the Commons will help.
- It is difficult to do make-ups on Sundays.
- The Blitz are supposed to be the competitive program but they are now doing recreational leagues and flag football.
- Some of the City and County's large events use athletic fields which takes time away from sports.

Broomfield Blitz Football Club

This is the more competitive oriented youth football league in the community and they are part of the Jefferson County Midget Football Association and play games throughout the north metro area as a result. The organization is 10 years old. Teams are formed by the coaches. They just started a flag football program last year.

Season: Mid-August to Mid November.

Age Groups: Flag-Kindergarten and 1st Grade, Tackle-2nd through 8th Grade.

Primary Fields: Commons, Community Park, multiple parks for practices

Youth Associations	Resident	Non-Resident	Total number of Players	Res %	# of Teams
BLTIZ-Football 2013	155	112	267	58%	15
BLTIZ-Football 2012	146	90	236	62%	11
BLTIZ-Football 2011	158	65	223	71%	13
BLTIZ-Football 2010	188	106	294	64%	16
BLTIZ-Football 2009	100	29	129	78%	7

% Residents: Over the last 5 years the organization as averaged 67% residents. However, there has been a steady decline in the last two years.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Future: The program has grown in the last year and they expect to add 4-5 teams in the future but will cap the total number of teams at 20 (due to a lack of coaches, not fields). Most of the growth is anticipated to be in the older age groups.

Issues:

- Would like 2 more fields for games, practices are not an issue.
- They would like to have more access to lighted fields for practice later in the season.
- There is concern that as the number of teams grow they will not receive more fields for games or practices. The current system of allocating fields is fair.
- Is it possible to utilize some of the HOA fields that are located in the City and County?
- It would be great to have a sports complex in the community.

Broomfield Soccer Club

The Broomfield Soccer Club is the only City and County recognized youth soccer program. They have both a recreational and competitive program and play two seasons a year. In addition the Club runs a number of camps in the summer.

Season: August to Early November and March to Mid May. There is also a big tournament in August.

Age Groups: Rec.-U4-U14, Comp.-U11-U18; just started a high school program

Primary Fields: Commons, Highland Park, Broadlands, Legacy West and multiple parks for practices.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Youth Associations	Resident	Non-Resident	Total number of Players	Res %	# of Teams
BSC-Soccer-Spring					
Recreation 2013	1252	510	1,762	71%	138
Competitive 2013	261	166	427	61%	28
Total Spring 2013	1513	676	2,189	69%	166
Recreation 2012	1126	552	1,678	67%	159
Competitive 2012	199	139	338	59%	22
Total Spring 2012	1325	691	2,016	66%	181
Recreation 2011	1233	431	1,664	74%	157
Competitive 2011	137	140	277	49%	19
Total Spring 2011	1370	571	1,941	71%	176
Recreation 2010	1228	423	1,651	74%	154
Competitive 2010	151	249	400	38%	26
Total Spring 2010	1379	672	2,051	67%	180
Recreation 2009	1051	383	1,434	73%	144
Competitive 2009	127	199	326	39%	21
Total Spring 2009	1178	582	1,760	67%	165
BSC-Soccer-Fall					
Recreation 2013	1231	527	1,758	70%	151
Competitive 2013	365	253	618	59%	40
Total Fall 2013	1596	780	2,376	67%	191
BSC-Soccer-Fall					
Recreation 2012	1351	499	1,850	73%	176
Competitive 2012	309	199	508	61%	34
Total Fall 2012	1660	698	2,358	70%	210
BSC-Soccer-Fall					
Recreation 2011	1263	456	1,719	73%	164
Competitive 2011	252	232	484	52%	31
Total Fall 2011	1515	688	2,203	69%	195
BSC-Soccer-Fall					
Recreation 2010	1316	440	1,756	75%	166
Competitive 2010	191	256	447	43%	28
Total Fall 2010	1507	696	2,203	68%	194
BSC-Soccer-Fall					
Recreation 2009	1240	412	1,652	75%	156
Competitive 2009	156	251	407	38%	26
Total Fall 2009	1396	663	2,059	68%	182

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study

% Residents: Over the last 5 years the organization as averaged 73% residents in its recreation program and 50% in its competitive program. However, there has been a steady increase in the percentage of residents in the competitive program in the last two to three years.

Future: Even though the program has not shown much overall growth in the last year or so, there is anticipated to be a significant increase in the competitive program in the U11-U18 age groups over the next 4 to 5 years.

Issues:

- Fall is the most difficult season as they have to share fields with football.
- The greatest need is for more practice fields. Each team should have ½ of a field for practice but sometimes there are 3 or more teams assigned per field and practice times are cut to 30 minutes. Game fields are often being used for practices which results in overuse.
- Currently it is difficult to practice the U6 and younger age groups due to a lack of fields.
- Since there are no lighted fields, this makes practices more difficult late in the fall or early spring. There is some use of the outfields of the lighted baseball/softball fields as a result.
- With the growth in the older age groups there are not enough full-sized fields in the City and County.
- It is difficult to schedule make-up games since the fields are used by adult leagues on Sundays.
- Since the fields are closed in the winter and summer (except for the artificial turf field at the Commons) it is difficult for travel teams to practice for tournaments during these seasons.
- There are a limited number of fields at any one location making it difficult to host large tournaments. They have reduced the number of teams for their August tournament as a result.
- Adding new fields at the Yellow Pod at the Commons will be a help, especially if they are artificial turf. The new pod should be able to be used for practices if there is artificial turf. This would help with the practice problem.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study

Broomfield Baseball League

This is one of the two youth baseball organizations in the City and County. They focus more on the competitive leagues and players. Some years ago they gave the recreation program back to Parks and Recreation to run. They operate a significant indoor facility for practices and training.

Season: Late August through October and March to Early July. There is also a big tournament in June.

Age Groups: 8-18

Primary Fields: Broomfield Industrial Park, Community Park, Interlocken West Park, Broadlands, Quail Creek and other parks for practices.

Youth Associations	Resident	Non-Resident	Total number of Players	Res %	# of Teams
BBL Baseball 2013	103	206	309	33%	24
BBL Baseball 2012	112	172	284	39%	27
BBL Baseball 2011	125	233	358	35%	33
BBL Baseball 2010	178	201	379	47%	35
BBL Baseball 2009	201	217	418	48%	36
BBL-Baseball-Fall 2013	29	70	99	29%	10
BBL-Baseball-Fall 2012					0
BBL-Baseball-Fall 2011					0
BBL-Baseball-Fall 2010	65	113	178	37%	17
BBL-Baseball-Fall 2009					0

% Residents: Over the last 5 years the organization as averaged 38% residents in its program. However, there has been a steady decrease in the percentage of residents in the program in the last three years.

Future: Even though the program has shown a noticeable decline in overall teams in the last few years, most of this has been in the general leagues while the travel team numbers have increased and will continue to do so in the future.

Issues:

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study

- There is really no system for assigning fields for recreation and competitive baseball. The City and County needs to identify fields for certain age groups and users. Not all ages and levels of play should be using the same fields. With the current plan teams and leagues are moved around to different fields for games and practices. There is no consistency.
- The City and County needs to purchase a field scheduling software system that is more equitable. The issue is not that there are not enough fields, it is that they are not being effectively scheduled.
- The residency requirements are not realistic for an organization that is focused on the more competitive travel teams. It is difficult to put together competitive teams made up primarily of Broomfield residents.
- They will need more practice fields in the future.
- They would like to bring in larger tournaments (this is where the travel teams compete) but there is not a large enough complex. Broomfield needs a sports park like the City of Aurora has.
- The level of maintenance on existing fields needs to be improved. The youth sports organizations should be asked to help with field maintenance. The school district fields are not in good condition.
- The organization has made a proposal to the City and County to build a 4 field T-Ball complex in an open area in Community Park but the City and County is not willing to move forward with the plan. This would take some of the pressure off of the other fields.

Thunder Baseball League

Thunder Baseball is the other youth baseball league in Broomfield. They broke away from BBL four years ago. The program has less of an emphasis on travel teams but they do compete for some of the same players with BBL. They also have an indoor facility for practices and training.

Season: Late August through October and March to Early July. There is also a big tournament in June.

Age Groups: 7-14 (They also run a girls softball program in Westminster)

Primary Fields: Community Park, Broomfield Industrial Park, Interlocken West, and other parks for practices.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Youth Associations	Resident	Non-Resident	Total number of Players	Res %	# of Teams
TBL Baseball 2013	181	190	371	49%	32
TBL Baseball 2012	177	146	323	55%	29
TBL Baseball 2011	132	136	268	49%	21
TBL Baseball 2010	48	53	101	48%	9
TBL Baseball 2009					0
TBL-Baseball -Fall 2013	148	201	349	42%	27
TBL-Baseball -Fall 2012	103	98	201	51%	17
TBL-Baseball -Fall 2011	132	51	183	72%	14
TBL-Baseball -Fall 2010	56	53	109	51%	10
TBL-Baseball -Fall 2009					0

% Residents: Over the last 4 years the organization has averaged 52% residents in its program.

Future: The organization expects that there will be significant growth in the machine pitch (6-8 year olds) and kid pitch program (13-14 year olds) in the coming years.

Issues:

- Due to a lack of fields in Broomfield, the organization also utilizes fields in Westminster for its program.
- There are not enough fields available for practice. They would like to have 2-3 practices a week for teams but cannot schedule teams at this rate now. Having more lighted fields would help.
- There are not enough larger or full sized fields in Broomfield. There is only one field with a permanent mound (Thomas). The older kids need a grass infield and a mound. The City and County should provide portable mounds for fields.
- There are enough fields for the 10-13 year olds but not for the younger or older age divisions.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study

- The City and County should develop a four field complex for T-Ball and machine pitch leagues.
- They understand the reason for the residency rule for assigning fields and are OK with that. They also believe that the current field allocation system is fair and consistent.
- They are concerned that there is no consistency in field use and they are constantly moving from field to field for both games and practices.
- There is a need for a tournament complex in Broomfield.

Broomfield Parks and Recreation: In addition to the community based organizations noted above, the Broomfield Parks and Recreation Department was also contacted about their programs that utilize athletic fields. Currently the Department provides the following activities.

Adult Sports

Sport	Seasons	Game Fields	Days of Week
Softball	Spring/Summer/Fall	Community Park	Sunday thru Friday
Kickball	Fall	Community Park	Wednesday

Youth Sports

Sport	Seasons	Game Fields	Days of Week
T-Ball (5-6 yrs.)	Summer	Centennial, Coyote Ridge, Kohl, BHS, West Park	Thursday or Saturday
Baseball (6-15 yrs.)	Summer	Community Park, Broomfield Industrial Park, BHS	Monday thru Friday and some Saturdays
Softball (7-15 yrs.)	Summer	Community Park, Broomfield Industrial Park, Northmoor	Monday thru Friday
Lacrosse (U9-U15)	Spring/Fall	Quail Creek, Westlake	Saturdays, Sundays

The table below indicates the number of resident and non resident players that have participated in youth baseball and girls softball over the last 5 years. In addition the total number teams is shown as well.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



City and County Programs	Resident	Non-Resident	Total number of Players	Res %	# of Teams
Recreation Baseball	267	134	401	67%	30
Coach Pitch	257	108	365	70%	26
T-Ball	175	59	234	75%	22
Little Sluggers	86	21	107	80%	12
Total Baseball 2013	785	322	1,107	71%	90
Recreation Baseball	275	111	386	71%	29
Coach Pitch	249	117	366	68%	26
T-Ball	177	74	251	71%	22
Little Sluggers	113	42	155	73%	16
Total Baseball 2012	814	344	1,158	70%	93
Recreation Baseball	284	92	376	76%	32
Coach Pitch	240	102	342	70%	26
T-Ball	156	46	202	77%	24
Little Sluggers	72	35	107	67%	20
Total Baseball 2011	752	275	1,027	73%	102
Recreation Baseball	318	108	426	75%	24
Coach Pitch	253	96	349	72%	26
T-Ball	203	78	281	72%	24
Little Sluggers	125	39	164	76%	16
Total Baseball 2010	899	321	1,220	74%	90
Recreation Baseball	307	106	413	74%	30
Coach Pitch	280	72	352	80%	26
T-Ball	154	71	225	68%	20
Little Sluggers	118	45	163	72%	16
Total Baseball 2009	859	294	1,153	75%	92
Girl's T-ball	89	41	130	68%	12
Girl's Youth Softball	257	146	403	64%	32
Total Girls Softball 2013	346	187	533	65%	44
Girl's T-ball	73	44	117	62%	10
Girl's Youth Softball	303	193	496	61%	35
Total Girls Softball 2012	376	237	613	61%	45

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



City and County Programs	Resident	Non-Resident	Total number of Players	Res %	# of Teams
Girl's T-ball	68	26	94	72%	10
Girl's Youth Softball	251	157	408	62%	35
Total Girls Softball 2011	319	183	502	64%	45
Girl's T-ball	70	29	99	71%	12
Girl's Youth Softball	257	161	418	61%	35
Total Girls Softball 2010	327	190	517	63%	47
Girl's T-ball	93	24	117	79%	12
Girl's Youth Softball	269	143	412	65%	32
Total Girls Softball 2009	362	167	529	68%	44

It should be noted that between 60% and 80% of the players are residents and that the number of teams in both baseball and girls softball has remained much the same for the last five years.

Adult Programs: One of the other Parks and Recreation Department program that has an impact on field use is the adult softball program. The following table shows the number of resident, non-resident, and total number of teams that participated in the program in 2013.

City and County Programs	Resident	Non-Resident	Total number of Teams	Res %
Adult Softball Teams-Spring	15	12	27	56%
Adult Softball Teams-Summer	45	27	72	63%
Adult Softball Teams-Fall	36	13	49	73%
Total Adult Softball 2013	96	52	148	65%

In addition to City and County programs, the fields are also utilized for a number of other uses which includes:

- *Senior Softball League* – They utilize Community Park for practices and games during the late spring and summer.
- *Adult Sports Leagues* – The City and County rents fields (Commons, etc.) to several adult sports leagues on Sundays. This includes:

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



League	Fields
MISL Men’s Soccer	Commons Blue Pod & Sienna Park
Metro Denver Women’s Soccer League	Commons Blue Pod
CASL Men’s Soccer	Commons Blue Pod
USSF Kickers Men’s Soccer	Country Estates
Ultimate Frisbee Grass Roots	Commons Red Pod

General User Group Findings Summary: The following summarizes some of the basic user group findings.

- The fields that the City and County maintains are in very good condition and the turf condition is usually excellent.
- Most of the user groups do not have significant issues with the field allocation system. The only glaring exception is Broomfield Baseball League.
- There are actually three different youth baseball programs in Broomfield when the City and County’s recreational based program is included with BBL and Thunder.
- While having an adequate number of game fields is still an issue, a much bigger concern is the lack of practice fields in all sports.
- Adding the Yellow Pod at the Commons as well as the new lighted artificial turf field at Jefferson Academy will help ease the immediate demand for new rectangular fields.
- The residency requirement is an issue for some organizations but this is primarily a concern for the more competitive baseball and soccer leagues.
- There is not expected to be much growth in football participation, but there will be an increase in soccer (especially in the older age groups), and little growth in recreational baseball but a shift to more travel teams will continue.
- There is a need for a large tournament facility in Broomfield for both rectangular and diamond fields.
- More fields should be lighted and for rectangular fields they should be artificial turf.
- The baseball organizations would like to see a T-Ball complex built.

USER GROUP INPUT

City & County of Broomfield, CO
Field Use and Demand Analysis Study



-
- The City and County Parks and Recreation Department is a major user of diamond fields for the adult softball leagues and youth recreation baseball and girls softball.
 - The City and County Parks and Recreation Department also rents fields on Sundays to a variety of adult soccer and Ultimate Frisbee leagues.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Section V – Current and Future Field Demands

Utilizing the information that was gathered from the demographic and sports participation summary, plus the analysis of existing fields and the input from the various user groups, the following summarizes the current and future field demands.

Current Demands: Based on the information gathered in the other sections of this report the following information summarizes current demand for diamond and rectangular fields.

- *National Trends* - The City and County of Broomfield is in a similar situation as most cities in the United States where the demand for youth athletic fields is greater than the supply. However, the demand for fields tends to peak load in the spring and early summer for diamond fields and the fall for rectangular fields (football and soccer competing for the same fields). There are virtually no communities who have more developed athletic fields than they can schedule and use.

In most communities the primary concern is finding enough locations for youth field sports teams to practice more than it is having enough game fields.

- *National Standards* – There is no actual standard but many communities use a range of 1 diamond field and rectangular field per 2,000 to as much as 6,000 of population. **With this ratio, the City and County of Broomfield has many more fields than this with a ratio of 1 diamond field per 1,622 of population and 1 rectangular field per 1,333 of population (counting only organized fields and not open areas) based on a 2013 City and County population of approximately 60,000.**

The City and County’s 2005 Open Space, Parks Recreation and Trails Master Plan references an “NRPA Guideline” of 1 field per 5,000 of population for both diamond and rectangular fields. It is also noted that the ratio per thousand of population was much lower.

Most communities now establish a “level of service” (LOS) that is appropriate for the needs and expectations of the community rather than basing such decisions on rather arbitrary ratio standards. However, the determination of the LOS is often based in part on benchmarking with similar communities in the area.

- *Field Inventory* – As has been noted previously, the City and County has 37 developed diamond fields in its inventory. Of this number 12 are school fields. For rectangular fields there are 45 developed fields with 14 being school fields. Within these field numbers there is a wide variety of field size, quality and amenities. As a result some fields are only useable for practices or younger age groups. For the rectangular fields there is a strong reliance on open park areas for practices (24 such areas). These should not be considered

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



as true athletic fields as a result. It is also important to note that school fields play an important role as well as they make up 32% of diamond fields and 31% of rectangular fields. Without access to these fields, the inventory would be much lower (most cities do not count school fields in their ratio numbers). However, the City and County does not control use or scheduling of these fields so there is not the full benefit of a City and County owned field.

There are also plans for additional fields in the future that will increase the inventory of developed fields. This includes:

- Rectangular Fields –
 - Jefferson Academy - The City and County should have use of the new lighted football/soccer field at Jefferson Academy within the next year or so.
 - Commons-Yellow Pod – The City and County already has preliminary plans to develop the Yellow Pod which will add four full-sized football/soccer fields. This could occur within the next 2-3 years.
- Diamond Fields –
 - Anthem Park – There are long range plans to develop two lighted baseball/softball fields at this location. The timing on construction has not yet been determined.
- *User Groups* – There are a significant number of users that are vying for time on the athletic fields.
 - Diamond Fields
 - The City and County is the primary user of diamond fields (78%). This is not only for youth baseball and softball but also for adult softball.
 - Youth field sports groups are the next largest user group (20%).
 - School teams and other outside users make up the balance.
 - Youth football and soccer teams also utilize the outfields of lighted fields in the late fall and early spring.
 - Rectangular Fields
 - The primary users are youth soccer and football (estimate of 80% of use).
 - City and County parks and recreation has much less use of rectangular fields for youth sports and it primarily consists of a small lacrosse program and Ultimate Frisbee (estimate of 5% of the use at best).
 - Adult sports (rentals) use some fields (primarily the Commons) on Sundays (estimate of 10% of the time).
 - The City and County also occasionally utilizes the Commons and Community Park for festivals and other community events (estimate of 5% or less).

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



- *Demand Analysis* – The reality is that most of the basic needs of the users groups noted above are being reasonably met with existing fields except for some key time frames where there is a need for more fields. For diamond fields this is mid-May to the middle of July and for rectangular fields it is mid-August to early November.
 - *Practices* - The primary need for all youth sports organization is for more practice fields to increase not only the number of practices but also the amount of time for practice.
 - *Football* - Would like to have 2-3 additional game fields (this issue should be taken care of with the addition of the Yellow Pod at the Commons and Jefferson Academy).
 - *Soccer* – Could use 2-3 additional full-sized fields for games (this issue should also be taken care of with the addition of the Yellow Pod and Jefferson Academy).
 - *Baseball/Softball* – They would like to see a 4 field T-Ball/Machine pitch complex to take the pressure off of the other fields. Two other full-sized (90 ft. bases) lighted baseball fields would allow for more practices and games to be held during the week (two new fields at Anthem Park could take care of this issue).
 - *City and County Parks & Recreation* – There are currently adequate fields to serve the needs of the youth baseball and softball program as well as adult softball.

- *Rate of Utilization* - The City and County makes sure that all youth sports organizations have strong use of all of the different fields that are available. This includes fully developed fields as well as the less developed, and open areas. It is difficult to determine the exact rate of utilization of fields but general estimates can be made.
 - The percent of time that fields are used varies by the type of field and the season.
 - *Diamond Fields*-
 - There is almost 100% utilization of fields from mid-May until early July.
 - From March 1 to mid-May the rate of utilization varies from a low of approximately 50% to as much as 75%
 - Utilization from mid-August to late October is at approximately 40%.
 - *Rectangular Fields* –
 - During the fall (mid-August to early November) the rate of use is close to 100%.
 - For the spring (March to June) the rate is approximately 100% (even though football is not using fields at this time).
 - There is virtually no field use from early November through February and late July to mid-August. This allows the turf to rejuvenate during the summer.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



- *Resident Use Only* – Currently youth sports programs that utilize City and County athletic fields are serving more than just residents. Most of the programs (including Parks and Recreation) draw most of their non-resident users from unincorporated Broomfield, followed by Westminster, Thornton, and Erie.

If the City and County were only to focus on serving residents, it would significantly reduce the demand for fields.

- *Diamond Fields* –

- *City and County* use – In 2013 there was approximately 1,640 players in summer baseball/softball with 69% being residents. Resident use only would reduce the demand by 508.
- *BBL* use – In 2013 there was approximately 309 players in baseball/softball with 33% being residents. Resident use only would reduce the demand by 206. Fall had approximately 99 players with 29% being residents. Resident use only would reduce demand by 70.
- *Thunder* use – In 2013 there was approximately 371 players in baseball/softball with 49% being residents. Resident use only would reduce the demand by 190. Fall had approximately 349 players with 42% being residents. Resident use only would reduce demand by 201.
- ***Impact* – Since the City and County is the greatest user of diamond fields, and they make up approximately 78% of field use, the immediate impact would be a reduction of approximately 30% of the demand in fields. But when figuring in the resident rate of players from the other organizations is between 29% and 49%, this could reduce the demand by another 10% (they only make-up 20% of the use) for a total reduction of 40% in demand.**
- *Adult Softball* – Not figured into these numbers is adult softball where only about 64% of the teams were resident based in 2013. Applying this same rate of use for residents would further reduce demand by more than 50%.

- *Rectangular Fields* –

- *City and County* use – In 2013 there was essentially no consistent program use of rectangular fields for programs. Thus there is no real impact from resident only use.
- *Broomfield Youth Football* use – In 2013 there was approximately 481 players in football with 63% being residents. Resident use only would reduce the demand by 176.
- *Blitz Football* use - In 2013 there was approximately 267 players in football with 58% being residents. Resident use only would reduce the demand by 112.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



- *Broomfield Soccer* use - In 2013 there was approximately 2,189 players in spring soccer with 69% being residents. Resident use only would reduce the demand by 676. Fall had approximately 2,376 players with 67% being residents. Resident use only would reduce demand by 780.
- **Impact – Assuming that as much as 85% of field use is by youth sports organizations (the balance is from rentals and City and County programs), the immediate impact would be a reduction of approximately 35% of the demand in rectangular fields.**

It is not realistic to assume that there could ever be total resident only use of fields. This would essentially decimate many of the programs (baseball and adult softball) and would cripple most of the others. It should be kept in mind that the major non-resident group are individuals from the unincorporated area of Broomfield, and they are not residents of other neighboring cities either.

- *Classification of Fields* - The City and County should develop three different categories for its fields Tier 1, Tier 2, and Tier 3 Open Areas with the following definitions.

Tier 1 Fields – Are the more highly developed fields that are scheduled by Parks and Recreation and are utilized for games and/or practices.

Tier 2 Fields – These are a second tier of fields that are not as developed and are primarily utilized for practices and games for younger age groups.

Tier 3 Open Areas – As the name implies, these are open grass areas that do not have formal fields delineated. These areas are utilized for practices.

The following tables summarize the initial assessment of the number of fields in each of the three categories. This was completed by Parks and Recreation staff.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Diamond Field Listing by Classification (Baseball/Softball)

Park/Location	Number of Fields	Tier Classification
<i>City and Council Fields</i>		
Broomfield Industrial Park (includes Thomas, Clapper, Lange and Rockies)	4	1
Community Park	4	1
Interlocken West Park	2	1
Sub Total	10	
Broadlands West	1	2
Bronco	1	2
Columbine East & West	2	2
Country Estates	1	2
Country Vista	1	2
Greenway Park	1	2
Lac Amora Park	1	2
MacKay Landing	1	2
Midway Park	1	2
Northmoor Park	1	2
Quail Creek Park	2	2
Zang Spur Park	1	2
Sub Total	14	
Brandywine	1	3
Total	25	
<i>School District Fields</i>		
Broomfield High School	2	1
Legacy High School	2	1
Sub Total	4	
Aspen Creek	1	2
Broomfield Heights Middle School	1	2
Centennial Elementary School	2	2
Coyote Ridge Elementary School	1	2
Emerald Elementary School	1	2
Holy Family High School	1	2
Kohl Elementary School	1	2
Sub Total	8	
Total	12	
Grand Total	37	

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



Rectangular Fields Listing by Classification (Soccer/Football)

Park/Location	Number of Fields	Tier Classification
<i>City and County Fields</i>		
Anthem-Sienna Park	2	1
Commons (Red Pod, Blue Pod & Champ.)	9	1
Highland Park	5	1
Legacy Park	2	1
Sub Total	18	
Brandywine East, West & South (Bowl)	2	2
Broadlands West	3	2
Centennial	1	2
Country Estates	1	2
Country Vista	1	2
Northmoor Park	1	2
Quail Creek Park	1	2
Sub Total	10	
Community Park	Use of outfields	3
Greenway Park	1	3
Mackay Landing	1	3
Wildgrass Park	1	3
Sub Total	3	
Total	31	
<i>School District Fields</i>		
Broomfield High School	2	1
Legacy High School	3	1
Sub Total	5	
Aspen Creek	1	2
Broomfield Heights Middle School	2	2
Centennial Elementary School	1	2
Coyote Ridge Elementary School	1	2
Kohl Elementary School	3	2
Westlake	1	2
Sub Total	9	
Total	14	
Grand Total	45	

Note: All of the 24 Open Areas have been classified as Tier 3 fields.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Diamond Fields Classification Summary - Of the 37 developed diamond fields, only 14 are Tier 1 fields (City and County and School fields), while 22 are Tier 2, and only 1 is a Tier 3. So while there is a relatively large inventory of fields, only 38% are high quality game fields.

Rectangular Fields Classification Summary – Of the 45 developed rectangular fields, 23 are Tier 1 fields (City and County and School fields), while 19 are Tier 2, and 3 are Tier 3. So 56% of the field inventory are high quality game fields. There are also 24 open areas that would also be classified as Tier 3 fields.

Only Tier 1 and Tier 2 Fields should be classified as true athletic fields and counted in the inventory. It is recognized that the Tier 3 fields do have an important value as practice sites, especially for rectangular field sports.

Revised Athletic Field Inventory

Field Type	Tier 1	Tier 2	Total
Diamond Fields	14	22	36
Rectangular Fields	23	19	42

Future Demands: The future demand for athletic fields in Broomfield will be based on a number of factors.

- *Sports Participation Trends* – Most communities are seeing a continued increase in the demand for rectangular fields for youth sports with the sustained growth in soccer, the emergence of lacrosse and new sports such as rugby and Ultimate Frisbee. The need for diamond fields has begun to wane with fewer teams playing recreation focused baseball and softball and in its place has been the huge growth in travel team baseball. Travel teams practice during the week (ideally 2-3 times) and then play in tournaments on the weekend, often traveling a considerable distance. Ultimately, this could mean an overall reduction in the need for a significant number of new diamond fields and a bigger increase in rectangular fields.
- *Demographics* – Growth in the population of Broomfield over the next 5 years (2013-2018) is expected to be approximately 11.5%, or from 60,153 to 67,044. From 2013 until 2037 (a period of 24 years) the overall rate of growth is expected to be 57.8% or from 60,153 to 94,905.

In 2013, children age 5-17 represented 18.5% of the population in Broomfield or approximately 11,262 individuals. Using the same percentage and applying it to the

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



anticipated 94,905 population projected for 2037 would result in a total of 17,557 individuals from age 5-17. This is an increase of 6,295 or 56%.

Applying the 6,295 projection of new children in the 5-17 age group in Broomfield to rates of current participation in youth sports activities (from Table-M in Section II) the following estimates in the increase in youth participating in diamond and rectangular sports are possible.

Sport	Rate of Participation Youth 7-17	Number of New Participants 2037
Baseball	12.2%	768
Football	9.9%	623
Lacrosse	3.2%	201
Soccer	15.7%	988
Softball	7.6%	478

Note: These projections are based on the current rate of participation factored by averaging the participation rate for youth in Broomfield in the age groups of 7-11 and 12-17. It is based on no changes in the overall rate of participation over time. It is realized that there is expected to be continued strong growth in lacrosse and soccer during this time period and there could be decreases in football, baseball and softball. It should also be realized that not all of the youth in these age groups will ultimately participate in these activities in Broomfield.

- *Sports Organization Growth* - When information was gathered from the various youth field sports organizations in Broomfield regarding program growth numbers for the next 5 years there was not a lot of hard numbers that were determined. However each organization (other than Parks and Recreation) expected some continued growth in certain areas.
 - *Football* – BYFA – some growth in flag, Blitz – 4-5 teams
 - *Soccer* – BSC – growth in the older divisions
 - *Baseball/softball* – more travel teams and numbers in the machine pitch and older divisions.As has been noted this translated into the general need for the following fields.
 - *Practices* - More time and locations for practices
 - *Diamond* – 4 –T-Ball fields, 2 –full-sized fields
 - *Rectangular* – Football 2-3 full sized game fields, soccer 2-3 full-sized fields.
- *Field Availability* – With adoption of the three tier system there are now 36 diamond fields (Tier 1 and Tier 2) and 42 rectangular fields (Tier 1 and Tier 2) available for scheduled use. In addition there is 1 Tier 3 diamond field and 27 Tier 3 rectangular fields.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Recommendations: The following are the basic recommendations for future fields and how existing and new facilities should be assigned.

Future Athletic Fields

- *Improve Existing Fields* – The top priority should be to improve the condition of the existing athletic fields in the City and County.
 - *City and County Fields* – There are 3 diamond fields that have been identified by staff to be improved. Two of which are already in the City and County’s CIP plan. Two rectangular fields have also been listed for improvement, neither of which are in the CIP plan.
 - *School District Fields* – This is the greatest area of concern and it may require that the City and County work with the school districts to fund capital improvements and assist with maintenance (or actually take over field maintenance altogether), with the districts contributing funding to cover their use.
 - *Portable Pitching Mounds* – One of the potential improvements that could be made for the diamond fields is to purchase portable pitching mounds that would allow for baseball’s older age groups to throw from a mound. If Parks and Recreation does not want to take this on then the youth baseball organizations should be encouraged to purchase their own portable mounds.
 - *Grass Infields* – Consideration should be given to converting some of the skinned infields at the Tier 1 diamond fields to grass to improve play. This would be possible if the same age level (setting a consistent base distance) is using these fields.
- *New Planned Fields* – There are a number of possible new athletic fields that could be developed in the next few years to help alleviate the current lack of fields at certain times. This includes:
 - *Commons* – It is essential that the Yellow Pod be constructed at the Commons. This will add 4 full sized football/soccer fields to the inventory. These fields should be artificial turf to allow for greater use early in the spring as well as for practices. It would be great if these fields could be lighted, but it is recognized that this is probably not possible.
 - *Jefferson Academy* – Utilizing the planned new lighted rectangular field at the charter school will also provide opportunities for youth football, soccer and even lacrosse use.
 - *Anthem Park* – Providing two new full-sized, lighted, baseball fields would result in a significant boost to the available field time for youth baseball and softball.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



Completing these additions of new fields should come close to providing the user groups with enough fields for the next 5 years for fields, if they are constructed during this time frame.

- *New Field Numbers* – Based on the information gathered during this study the following are the recommendations for possible new athletic fields. This has been figured utilizing the new inventory of Tier 1 and Tier 2 fields, establishing a current level of service (LOS) for fields per population and then using the same ratio to project needs based on future population estimates.

Projected New Field Numbers (based on ratio of fields per population)

	Existing Fields Tier 1 & 2	Current Ratio Based on Population	5 Year Pop. Additional Fields	12 Year Pop. Additional Fields	24 Year Pop. Additional Fields
Population Est.		60,153	67,044	75,008	94,905
Diamond Fields	36	1 per 1,671	+4	+5	+12
Rectangular Fields	42	1 per 1,432	+5	+5	+14
Cumulative Total					
Diamond Fields			+4	+9	+21
Rectangular Fields			+5	+10	+24

Note: It must be kept in mind that these new field estimates do not take into account the number of Tier 3 open areas that are currently being utilized for practice. It should be expected that there will also need to be a significant increase in the 27 Tier 3 fields and open areas that are currently available. This increase could be 50% or more during the same 24 year time period.

- *Specific Field Recommendations* – The following are some more specific field recommendations.
 - *Full-sized Fields* – The next 3 to 4 diamond and rectangular fields should be built as full-sized fields to serve the needs that have been identified by the user groups.
 - *T-Ball/Machine Pitch Complex* – Very strong consideration should be given to building a 4 field T-ball/machine pitch complex in the City and County. These fields would allow for younger aged baseball players to play on more age appropriate fields and would free up more time on the larger fields for other age groups. The cost of building this smaller field complex would be lower than building more full-sized baseball fields.
- *Field Complexes* – For true game fields (Tier 1 fields) build them in larger community parks (or City and County parks) with at least 2 fields per site and ideally 4 or more. These

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



types of fields (even with individual fields) should not be built in a neighborhood park. Only Tier 2 and Open Areas should be included in this size of park.

- *Lighting Fields* – Attempt to light as many new fields as possible. This could reduce the overall demand for additional fields by up to 30%.
- *Artificial Turf* – There should be a strong push to convert as many Tier 1 rectangular fields to artificial turf as possible to increase use, extend seasons, and reduce field wear. Any new Tier 1 fields should be built with artificial turf if at all possible.

It should be realized that the true benefits of artificial turf are maximized when they are lighted. Therefore any new fields that are built with artificial turf should be lighted.

- *Geographic Distribution* – The vast majority of athletic fields are in the southern portion of the community. Future field complexes should be located in the growing northern areas of the community, this is probably the only area where a site that is large enough to support a complex can be built.
- *Capital Cost Estimates* – The following are basic cost estimates for different athletic field development options. These are general estimates only and do not include any land costs, roads or other support areas. They are based on 2014 costs.

Amenity	Assumptions	Cost
Full-Sized Soccer Field	Natural turf, no lights, no infrastructure	\$250,000
Lights	Power from Excel, transformer not included	\$95,000
Artificial Turf		\$950,000
4 Full-Sized Fields Soccer Complex	Natural turf, lights, concessions, restrooms	\$1,800,000
Artificial Turf	All fields	\$2,300,000
Full-Sized Baseball/Softball Field	Natural turf, no lights, no infrastructure	\$375,000
Lights	Power from Excel, transformer not included	\$100,000
4 Full-Sized Fields Baseball/Softball Complex	Natural turf, lights, concessions, restrooms, paved core area	\$2,500,000
4 T-Ball/Machine Pitch Sized Baseball Complex	Natural turf, no lights, no concessions, no permanent restrooms	\$375,000

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



This information was provided by MIG/Winston of Boulder, a landscape architecture and planning firm.

Based on the projections on the number of fields that will be needed in the future, the following cost estimate is possible for the base per field cost.

5 Year Base Cost Estimates

Field Type	Cost per Field	5 Year Field Needs	Total Cost	Additive Cost	Adjusted Cost Total
Diamond	\$375,000	4	\$1.5 Mill		\$1.88 Mill
Lights	\$95,000	4		\$380,000	
Rectangular	\$250,000	5	\$1.0 Mill		\$6.25 Mill
Lights	\$100,000	5		\$500,000	
Artificial Turf	\$950,000	5		\$4,750,000	
Total		9	\$2.5 Mill	\$5.63 Mill	\$8.13 Mill

12 Year Base Cost Estimates

Field Type	Cost per Field	12 Year Field Needs	Total Cost	Additive Cost	Adjusted Cost Total
Diamond	\$450,000	5	\$2.25 Mill		\$2.82 Mill
Lights	\$114,000	5		\$570,000	
Rectangular	\$300,000	5	\$1.5 Mill		\$7.8 Mill
Lights	\$120,000	5		\$600,000	
Artificial Turf	\$1,140,000	5		\$5,700,000	
Total		10	\$3.75 Mill	\$6.87 Mill	\$10.62 Mill

Note: Costs have been inflated by 20% for this time period.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



24 Year Base Cost Estimates

Field Type	Cost per Field	24 Year Field Needs	Total Cost	Additive Cost	Adjusted Cost Total
Diamond	\$525,000	12	\$6.3 Mill		\$7.896 Mill
Lights	\$133,000	12		\$1.596 Mill	
Rectangular	\$350,000	14	\$4.9 Mill		\$25.48 Mill
Lights	\$140,000	14		\$1.96 Mill	
Artificial Turf	\$1,330,000	14		\$18.62 Mill	
Total		26	\$11.2 Mill	\$22.176 Mill	\$33.376 Mill

Note: Costs have been inflated by 40% (from the 2014 estimate) for this time period.

- *Operations Cost Estimate* – The following are basic yearly operational cost estimates for different athletic field development options. These are approximate estimates only based on general operational costs. They are based on 2014 costs and do not account for any new revenue that is derived from the fields.

5 Year Base Cost Estimates

Field Type	Cost per Field Per Year	5 Year Field Needs	Total Cost Per Year	Additive Cost Per Year	Adjusted Cost Total
Diamond	\$45,000	4	\$180,000		\$240,000
Lights	\$15,000	4		\$60,000	
Rectangular	\$35,000	5	\$175,000		\$255,000
Lights	\$18,000	5		\$90,000	
Artificial Turf	-\$15,000	5		-\$75,000	
Total		9	\$355,000	\$75,000	\$490,000

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



12 Year Base Cost Estimates

Field Type	Cost per Field Per Year	12 Year Field Needs	Total Cost Per Year	Additive Cost Per Year	Adjusted Cost Total
Diamond	\$54,000	5	\$270,000		\$360,000
Lights	\$18,000	5		\$90,000	
Rectangular	\$42,000	5	\$210,000		\$228,000
Lights	\$21,600	5		\$108,000	
Artificial Turf	-\$18,000	5		-\$90,000	
Total		10	\$480,000	\$108,000	\$588,000

Note: Costs have been inflated by 20% for this time period.

24 Year Base Cost Estimates

Field Type	Cost per Field Per Year	24 Year Field Needs	Total Cost Per Year	Additive Cost Per Year	Adjusted Cost Total
Diamond	\$63,000	12	\$756,000		\$1,008,000
Lights	\$21,000	12		\$252,000	
Rectangular	\$49,000	14	\$686,000		\$744,800
Lights	\$25,200	14		\$352,800	
Artificial Turf	-\$21,000	14		-\$294,000	
Total		26	\$1,442,000	\$310,800	\$1,752,800

Note: Costs have been inflated by 40% (from the 2014 estimate) for this time period.

It should be expected that with additional fields being constructed in the future that the organizations that will benefit the most from them should be paying an increased fee (per player/team) to use them.

- *Tournament Complex* – One of the consistent messages that was heard from the youth sports organizations was the desire for a tournament complex that had significant number of fields to host tournaments at a single location or at least limit the number of locations where games would be played. This should not be a high priority for the City and County of Broomfield as it will require a site of 100 to 200 acres and a capital cost that would be \$30 million or more. This type of a project should only be considered if there can be an equity partnership with other neighboring communities and/or counties.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO
Field Use and Demand Analysis Study



-
- *Other Alternatives*
 - *Organizations Build New Fields* - Allow organizations to lease land and build and maintain new fields. Any fields and facilities would need to meet City and County design guidelines and material specifications. The drawback would be that the organization would control use of these fields, not the City and County.
 - *Organizations Assist with Maintenance* – Increasingly communities are asking youth sports groups to assist with maintaining fields. This could come in the form of additional payment to the City and County for field prep, lining and other tasks or the organizations could be responsible for this as well. With this scenario there would have to be specific and comprehensive maintenance guidelines and a penalty for failure to comply.

Athletic Field Allocation Process

- *Existing System Works* – The reality is that the existing system is fair and effective even if it is rather cumbersome for baseball/softball fields. However, there are a few modifications that can be made to make the process even better.
- *Percentage of Residents* – Allocation of fields by the percent of residents is a viable way to prioritize the assignment of fields and should continue. For those organizations that have less than 50% of their players as residents, there should not be the expectation that the City and County of Broomfield should be the sole or even primary provider of fields. These organizations should be expected to use fields in other communities to help meet their needs or even develop their own fields.

Serious consideration should be given to establishing a minimum percentage level of residents for a sports group to still be considered an approved organization. This level should be set between 35% and 50%. Organizations that drop below the minimum percentage of residents over a two year period would lose their status as an approved organization.

- *No Additional Organizations for Established Youth Sports* – One of the primary issues with field allocation is the fact that there are three organizations (counting Parks and Recreation) that are providing baseball/softball leagues and two for football. Trying to serve the needs of multiple organizations in a fair and equitable manner is much more difficult. No new youth sports organizations should be approved by the City and County for youth baseball/softball, football or soccer unless an existing provider no longer meets the criteria established by Parks & Recreation, they merge with another existing group, or cease to function.

CURRENT AND FUTURE FIELD DEMANDS

City & County of Broomfield, CO Field Use and Demand Analysis Study



-
- *Assign Fields Based on Age and Skill Level* – Parks and Recreation should be lauded for its approach to ensure that recreational players and younger age groups have the same opportunities to play on the nicer and more fully developed fields. However, this makes it more difficult for the older youth and more highly skilled to play on these same fields on a consistent basis. Parks and Recreation should revisit this policy and move more to the concept of having certain ages and skill levels playing on the fields that are appropriate for them.
 - *Other Options* – These other options should be considered but they have a number of limitations and negative implications.
 - *No Block Scheduling* – Currently the rectangular fields are scheduled in blocks to certain organizations. This means that at times the organizations may not actually be scheduling games or practices. Another option is to have Parks and Recreation actually schedule all fields (much like they do for diamond fields) to ensure better usage. This would take a great deal of staff time but may be necessary in the future if participation in lacrosse grows dramatically.
 - *Assign Fields to Specific Organizations* – On the other end of the spectrum is the idea of assigning certain fields on certain days of the week so that there is a “home” field and some consistency in where teams play. This will be more difficult to schedule and could result in open times when fields are not being used.
 - *Do Not Assign Open Area for Practices* – This is a more radical idea but it involves the City and County not actually assigning specific open areas for practices but having specific parks/schools for certain organizations. This takes the time to schedule away from Parks and Recreation staff and gives it to the individual organization. This could result in some practice areas not being well utilized or even over used.

Section VI – Appendix

User Group Surveys





Athletic Field User Group Survey

The City and County of Broomfield has hired Ballard*King & Associates to complete an athletic field use and demand analysis study. A major aspect of this plan is to understand the current uses and future demand for athletic fields in the city. As part of this plan, we would like you to answer the following questions regarding your organization and the use of athletic fields in the area. **Please respond by Friday, May 30, 2014.** Your quick response to this survey would be much appreciated.

Please return the survey to: Robin Garneau
Recreation Manager-Athletics
City and County of Broomfield
280 Spader Way
Broomfield, CO 80020

OR – Scan and email to: rgarneau@broomfield.org

If you have any questions please contact: Robin Garneau 303-464-5504

Questions:

1. Organization/ Association Name? Thunder Baseball League

Contact person: Shawn Williamson

Address: 4201 W 105th Way, Westminster, CO 80031

Phone number: 720-352-4409

Email shawnwilliamson@yahoo.com

What sport(s) do you provide?

Baseball

Check All That Apply:

Male Female Coed

Sports Associations Survey

What are your seasons by sport?

1. Sport: Baseball

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter	N/A					
Spring	March	July	20	18 league per team	1 or 2 dependant on availability of fields (preference=2)	Yes
Fall	August	October	7	14 league per team	Maybe 1	End of Season
Summer	March	July	20	18 league per team	1 or 2	Yes

2. Sport: _____

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter						
Spring						
Fall						
Summer						

Sports Associations Survey

2. What is the size and make-up of your organization? (# of teams, # of players, age groups, etc.) 43 teams, 490 players, 7-15 years old

Current year (2014 winter/spring/summer/fall) by sport and age group.

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring/Summer	7-14	490	43
Fall	7-14	Expecting 250	24

2. Sport: _____

Season	Age Group	Number of Players	Number of Teams

Previous 3 years (2011-2013 winter/spring/summer/fall) by sport and age group.

Sports Associations Survey

2013

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring/Summer	7-14	360	32
Fall	7-14	200	18

2012

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring/Summer	7-14	325	29
Fall	7-14	180	16

Sports Associations Survey

2011

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring/Summer	7-14	270	23
Fall	7-14	120	10

Future 5 years (2015-2019 winter/spring/summer/fall).

In what specific program area, season, and age group do you expect the greatest growth in the next 5 years?

Program Area Of Greatest Growth	Season	Age Group	Expected Number of Players	Expected Number of Teams
Machine Pitch	Spring/Summer	6-8 year olds	100	10
Baseball Kid Pitch	Spring/Summer	13-14	120	12

Sports Associations Survey

3. What are the PRIMARY fields that your organization currently utilizes?

Sport	School/park/ Other location	Community /Owner	Field/ Size	Fields Lighted (y,n)	Fees Paid (list fee)	Day(s)	Time	Games/ practices/ Both
Baseball	Parks	Community	Fields 200 and 300 ft	Yes	\$10 per resident and \$20 for non residents	Seven days a week	5pm during the week. All day on weekends (some daytime use after school completed)	Both

4. What are the specific needs of your organization that are not currently being met by existing facilities?

Sport (season)

Baseball—Need more fields during the week, Lighted fields allow more practice availability early in the season. Most fields March – April only allow one scheduled practice.

Games - (time, days of the week, season)

Monday thru Sunday, significant use of fields T-TH and Saturdays

Sports Associations Survey

Practice (time, days of the week, season)

~~Practice: Monday – Sunday (significant use request T-TH) 5:00 PM on with minimal teams able to practice during the day once school is released.~~

Tournaments, etc. (sport, number, size, etc.)

~~Baseball – Susan G. Komen (136 teams in 2014, 90 teams in 2013), End of season league tournaments at each age/level/division. Exploring options to host a May tournament.~~

5. Other issues or concerns regarding field needs of your organization you would like to share?

~~We had difficulty scheduling games for our older teams that need to pitch from a mound. This presents as a great need.~~

More fields during the week for practices. We have seen fields that are not allocated to us go unused, which is hard when we receive continual requests for practice times. (I would like to note that City Staff (Robin) have been very helpful in trying to allow us use of fields that are going unused).

Brandywine doesn't appear to have base stops and is not often in a safe playable condition for younger kids, which is the size that it should be assigned.

Thanks!



Athletic Field User Group Survey

The City and County of Broomfield has hired Ballard*King & Associates to complete an athletic field use and demand analysis study. A major aspect of this plan is to understand the current uses and future demand for athletic fields in the city. As part of this plan, we would like you to answer the following questions regarding your organization and the use of athletic fields in the area. **Please respond by Friday, May 30, 2014.** Your quick response to this survey would be much appreciated.

Please return the survey to: Robin Garneau
Recreation Manager-Athletics
City and County of Broomfield
280 Spader Way
Broomfield, CO 80020

OR – Scan and email to: rgarneau@broomfield.org

If you have any questions please contact: Robin Garneau 303-464-5504

Questions:

1. Organization/ Association Name? Broomfield Baseball League

Contact person: Mike Billingsley

Address: 2740 Industrial Lane / PO Box 1053
Broomfield, CO 80038

Phone number: 720-495-5332 / 720-443-1301

Email broomfieldbaseball@comcast.net

What sport(s) do you provide?

Baseball and Softball

Check All That Apply:

Male Female Coed

What are your seasons by sport? Spring / Summer Season & Fall Ball Season

Sports Associations Survey

1. Sport: Baseball / Softball

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter	November					
Spring	March					
Fall	August	October				
Summer		End of July				

2. Sport: _____

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter						
Spring						
Fall						
Summer						

Sports Associations Survey

2. What is the size and make-up of your organization? (# of teams, # of players, age groups, etc.)

Current year (2014 winter/spring/summer/fall) by sport and age group.

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring / Summer	8 – 18	650+	66
Fall	8 – 18	250+	25

2. Sport: _____

Season	Age Group	Number of Players	Number of Teams

Previous 3 years (2011-2013 winter/spring/summer/fall) by sport and age group.

Sports Associations Survey

2013

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring / Summer	8 – 18	650+	66
Fall	8 – 18	250+	25

2012

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring / Summer	8 – 18	650+	66
Fall	8 – 18	250+	25

Sports Associations Survey

2011

1. Sport: Baseball

Season	Age Group	Number of Players	Number of Teams
Spring / Summer	8 – 18	650+	66
Fall	8 – 18	250+	25

Future 5 years (2015-2019 winter/spring/summer/fall).

In what specific program area, season, and age group do you expect the greatest growth in the next 5 years? Don't expect growth. We maintain consistent numbers

Program Area Of Greatest Growth	Season	Age Group	Expected Number of Players	Expected Number of Teams

Sports Associations Survey

3. What are the PRIMARY fields that your organization currently utilizes?

Sport	School/park/ Other location	Community /Owner	Field/ Size	Fields Lighted (y,n)	Fees Paid (list fee)	Day(s)	Time	Games/ practices/ Both
Baseball	BIP			n		Varies	Varies	
Baseball	Community			n		Varies	Varies	
Baseball	West Park			n		Varies	Varies	
Baseball	Bronco, Broadlands, Quail, etc			n		Varies	Varies	

4. What are the specific needs of your organization that are not currently being met by existing facilities?

Sport (season)

Baseball and Softball access to consistent practice and game locations continues to be poorly managed in our experience. This is a year round issue and one that is particularly difficult to navigate from April - July.

We feel that a better system could be created very easily with a few philosophical changes. As a case in point, the current administrators claim that no software can be found to help utilize online access to manage and organize field needs. The current process is archiac, confusing and random. The statement that a search was made and nothing usefull could be found is very concerning when we are aware of many tools that are precisely designed for this task.

During a recent meeting with the current field adminstrators there was a blanket statement that all levels of baseball and softball should have equal access to all of the fields in the city. This statement uncovers our concerns with the level of knowledge about all levels of sport in our community.

Sports Associations Survey

Further, the idea that all levels should play on the same fields and facilities indicates that there might be a lacking of necessary motivation and a desire to strive for excellence in providing the highest quality sports facilities. It further demonstrates that there might be a need for someone who can understand and balance the needs of all our citizens, outside of a purely recreational point of view.

Games (time, days of the week, season)

Currently we only need fields for league games from March – June and from late August - October. Most games can be handled from Tuesday – Thursday. Occasionally a Monday or weekend game might be needed if there are not enough locations T-Th.

Practice (time, days of the week, season)

Our main need is consistency in practice locations from March – June and late August – October. As we offer our teams an indoor facility, we work around the lack of fields. However, we feel the city could easily solve the needs of all organizations with a better understanding of the current surfaces and creation of four – eight small diamonds that would serve the needs of recreational youth ages 10 and under.

Maintenance of the fields for practice needs to be improved overall. We have offered to provide assistance or bring in sponsorship to improve conditions.

Tournaments, etc. (sport, number, size, etc.)

We put on one of the largest baseball tournaments in the state in May each year. We have another tourney in June. Our 2014 May tourney had 241 teams or over 2500 families. The June tourney will have 100 teams and over 1200 families. Broomfield can only facilitate 15% of these people. However, with more effort, staff supervision and desire to improve overall surfaces across Broomfield, we could bring most, if not all of these people back into our City where more revenue would be available to our businesses.

5. Other issues or concerns regarding field needs of your organization you would like to share?

Scheduling:

Need a modern system

Need more consistency for all levels including competitive teams

Fields should be setup and organized based on age and level of play

Sports Associations Survey

Quality:

Field maintenance is poor overall. In many cases there are dangerous conditions for all levels of play

Broomfield is lacking fields for 10 and under baseball and softball players

Coaches pitch / Machine Pitch and Tee Ball do not have appropriate fields
10u and under kids and families enjoy the experience more and stay involved in the game at a higher level on a small / appropriate size field.

See BBL field proposal for Community Park

Sport Philosophy:

In our experience, there is very little focus on competitive sports and helping our young people strive for the highest levels in sport. Baseball is an example of this, where the city and county seem more interested in driving revenue from Adult and Youth recreational programs, than helping our area develop programs that are respected statewide and nationally.

One simple solution to this is an effort to identify and create field locations aimed at the appropriate levels. This provide consistency, a sense of community pride and awareness of options to all levels of play.



Athletic Field User Group Survey

The City and County of Broomfield has hired Ballard*King & Associates to complete an athletic field use and demand analysis study. A major aspect of this plan is to understand the current uses and future demand for athletic fields in the city. As part of this plan, we would like you to answer the following questions regarding your organization and the use of athletic fields in the area. **Please respond by Friday, May 30, 2014.** Your quick response to this survey would be much appreciated.

Please return the survey to: Robin Garneau
Recreation Manager-Athletics
City and County of Broomfield
280 Spader Way
Broomfield, CO 80020

OR – Scan and email to: rgarneau@broomfield.org

If you have any questions please contact: Robin Garneau 303-464-5504

Questions:

1. Organization/ Association Name? Broomfield Soccer Club

Contact person: Paul DeFelice, Operations Manager

Address: 5720 W 120th Suite #1
Broomfield, CO 80020

Phone number: (303) 466 – 0096

Email: Operations@broomfieldsoccerclub.org

What sport(s) do you provide?

Soccer

Check All That Apply:

Male Female Coed

Sports Associations Survey

What are your seasons by sport?

1. Sport: Soccer

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter	Grass Fields closed	Grass Fields closed	Grass Fields closed	Grass Fields closed	Grass Fields closed	Rec - 0 Comp - 0 to 2
Spring	Rec - 3/1 Comp - 3/1	Rec - 5/18 Comp - 5/18	Rec - 14 Comp - 14	Rec - 8 Comp - 9/10	Rec - 2 Comp - 3	Rec - 0 or 1 Comp - 1 to 3
Fall	Rec - 8/1 Comp - 8/1	Rec - 11/9 Comp - 11/9	Rec - 13 Comp - 13	Rec - 8 Comp - 9/10	Rec - 2 Comp - 3	Rec - 0 or 1 Comp - 1 to 3
Summer	Grass Fields closed	Grass Fields closed	Grass Fields closed	Grass Fields closed	Grass Fields closed	Rec - 0 or 1 Comp - 1 to 3

2. Sport: _____

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter						
Spring						
Fall						
Summer						

Sports Associations Survey

2. What is the size and make-up of your organization? (# of teams, # of players, age groups, etc.)

Current year (2014 winter/spring/summer/fall) by sport and age group.

1. Sport: Soccer

Season	Age Group	Number of Players	Number of Teams
Winter	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed
Spring	Rec (U4 – U14) Comp (U11 – U18)	Rec - 1739 Comp – 514 Total - 2253	Rec - 146 Comp – 33 Total - 179
Fall	Rec (U4 – U14) Comp (U11 – U18)	Rec – TBD Comp – TBD Total - TBD	Rec – TBD Comp – TBD Total - TBD
Summer	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed

2. Sport: _____

Season	Age Group	Number of Players	Number of Teams

Sports Associations Survey

Previous 3 years (2011-2013 winter/spring/summer/fall) by sport and age group.

2013

1. Sport: Soccer

Season	Age Group	Number of Players	Number of Teams
Winter	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed
Spring	Rec (U4 – U14) Comp (U11 – U18)	Rec - 1761 Comp – 428 Total - 2189	Rec - 166 Comp – 28 Total - 194
Fall	Rec (U4 – U14) Comp (U11 – U18)	Rec - 1757 Comp – 619 Total - 2376	Rec - 151 Comp – 40 Total - 191
Summer	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed

2012

1. Sport: Soccer

Season	Age Group	Number of Players	Number of Teams
Winter	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed
Spring	Rec (U4 – U14) Comp (U11 – U18)	Rec - 1678 Comp – 339 Total - 2017	Rec - 159 Comp – 22 Total - 181
Fall	Rec (U4 – U14) Comp (U11 – U18)	Rec - 1849 Comp – 521 Total - 2373	Rec - 176 Comp – 34 Total - 210
Summer	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed

Sports Associations Survey

2011

1. Sport: Soccer

Season	Age Group	Number of Players	Number of Teams
Winter	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed
Spring	Rec (U4 – U14) Comp (U11 – U18)	Rec - 1663 Comp – 272 Total – 1935	Rec - 157 Comp – 19 Total – 176
Fall	Rec (U4 – U14) Comp (U11 – U18)	Rec – 1713 Comp – 490 Total - 2203	Rec - 163 Comp – 31 Total - 194
Summer	Rec (U4 – U14) Comp (U11 – U18)	Grass Fields closed	Grass Fields closed

Future 5 years (2015-2019 winter/spring/summer/fall).

In what specific program area, season, and age group do you expect the greatest growth in the next 5 years?

Program Area Of Greatest Growth	Season	Age Group	Expected Number of Players	Expected Number of Teams
Competitive Program	Spring 2016 Fall 2016	U11 – U18	Spring: 642+ Fall: 757+	Spring: 41 Fall: 49
Competitive Program	Spring 2019 Fall 2019	U11 – U18	Spring: 720+ Fall: 870+	Spring: 46 Fall: 56

Sports Associations Survey

3. What are the PRIMARY fields that your organization currently utilizes?

Sport	School/park/ Other location	Community /Owner	Field/ Size	Fields Lighted (y,n)	Fees Paid (list fee)	Day(s)	Time	Games/ practices/ Both
Soccer	Anthem Park	Broomfield	2 Full Sized	N		M-F	4:30 – Dark	Both
Soccer	Aspen Creek	Broomfield	1 Full Sized	N		M-TH	5:30 - Dark	Practices
Soccer	Brandywine	Broomfield	2 Full Sized	N		M-TH	4:30 – Dark	Practices
Soccer	Broadlands	Broomfield	1 Full Sized	N		M-F	4:30 – Dark	Practices
Soccer	Broadlands	Broomfield	4 Tiny	N		S	9:00 – Dark	Games
Soccer	Commons Blue	Broomfield	3 or 4 Full Sized	N		S	9:00 – Dark	Games
Soccer	Commons Red (Spring Only)	Broomfield	16 Tiny 2 Small	N		S	9:00 – Dark	Games
Soccer	Commons Turf (Spring)	Broomfield	1 Full Sized	N		M/T/TH/ F	4:30 – Dark	Practices
Soccer	Commons Turf (Fall)	Broomfield	1 Full Sized	N		M/T/TH	4:30 – Dark	Practices
Soccer	Columbine South	Broomfield	2 Small	N		M-F	4:30 – Dark	Practices
Soccer	Country Estates	Broomfield	1 Full Sized	N		M-F	4:30 – Dark	Practices
Soccer	Country Vista	Broomfield	1 Full Sized	N		M-F	4:30 – Dark	Practices
Soccer	Crofton Park (Spring Only)	Broomfield	2 Tiny	N		M-F	4:30 – Dark	Practices
Soccer	Coyote Ridge (Fall Only)	Broomfield	1 Medium	N		M-TH	4:30 – Dark	Practices

Sports Associations Survey

Soccer	Discovery Park (Spring Only)	Broomfield	3 Tiny	N		M-F	4:30 – Dark	Practices
Soccer	Greenway	Broomfield	1 Small	N		M-F	4:30 – Dark	Practices
Soccer	Highland Park	Broomfield	2 Full Sized 3 Small	N		M-F	4:30 – Dark	Practices
Soccer	Highland Park	Broomfield	2 Full Sized 3 Small	N		S	9:00 - Dark	Games
Soccer	Kohl Elementary	Broomfield	8 Tiny	N		M-F	4:30 – Dark	Practices
Soccer	Legacy West	Broomfield	2 Full Sized	N		M-F	4:30 – Dark	Practices
Soccer	Legacy West (Fall Only)	Broomfield	16 Tiny	N		S	9:00 – Dark	Games
Soccer	Meridian Elem	Broomfield	6 Tiny	N		M-F	4:30 – Dark	Practices
Soccer	Northmoor Park	Broomfield	1 Small	N		M-F	4:30 – Dark	Practices
Soccer	Quail Creek (Fall Only)	Broomfield	1 Small	N		M-TH	4:30 – Dark	Practices
Soccer	Wildgrass (Spring Only)	Broomfield	1 Full Sized	N		M-F	4:30 – Dark	Practices
Soccer	Willow Park	Broomfield	1 Small	N		M-F	4:30 – Dark	Practices

Sports Associations Survey

4. What are the specific needs of your organization that are not currently being met by existing facilities?

Sport (season)

- In order to match the needs of the BSC membership with the practice space available, the city has allowed BSC to utilize space around neighborhood parks for U7 & U8 practices. Internally, BSC has begun scheduling 3 teams to a field in certain instances to match practice schedule requests. Additionally, BSC has implemented back to back practices for older age groups in order to meet team requirements. This is not an issue from April - September, but becomes difficult in March, October, and November as nautical twilight is significantly earlier during these times. To facilitate field space among teams who practice back to back, practices are cut short by up to 30 minutes (from an hour and a half to an hour) in accordance with dwindling daylight.
- With continued growth at the current rates, not only are these options are being exhausted, but they are providing increasingly less than ideal practice situations.
- Teams are currently practicing every night of the week on game fields at Highland Park resulting in rapid wear leading to demised game field quality and seasonal field rest rotations. These field rest rotations further contributes to space strain.
- There is not enough space to offer practices to our membership at a younger age (U4-U6).
- We have seen increased participation in the Academy Plus program each year since inception. These teams practice 3 times a week instead of 2 resulting in more space requirements.

Games (time, days of the week, season)

- At the lower ages, capacity is almost maxed out as of today. Not only does it mean that we have games running during almost every time slot each week, but we have very little room to meet future growth.
- Adult leagues run games at Highland Park & Commons on Sundays which limits the club's ability to schedule spillover or makeup games.
- At present, we run practices every night of the week on Highland Park and Legacy game fields.

Sports Associations Survey

Practice (time, days of the week, season)

- At present, the grass fields are closed in the Summer (June through July) and Winter (November through March). However, many of the BSC competitive teams will travel to tournaments during these times of the year and have limited ability to practice as there is only 1 turf field that is shared among many organizations.

Tournaments, etc. (sport, number, size, etc.)

- BSC hosts 1 big outdoor tournament in early August each year. In the past, BSC has accommodated up to 330 teams in this tournament—but the only way in which the club was able to do so was to utilize fields at up to 16 locations. This is less than ideal for a soccer tournament. As is such, BSC is pairing the tournament down to the 2 biggest complexes/highest quality fields (Commons and Highland Park). With only those 2 complexes, the tournament field will be reduced to around 170 teams.

5. Other issues or concerns regarding field needs of your organization you would like to share?

- As is the nature of the BSC organization, a significant part of growth comes organically (see historical player and team charts) from the young ages and carries through year after year. The effect of this growth results in a higher number of U11-U18 teams each year as these programs did not exist or were smaller in prior years. The game day field sizes of these teams is larger than that of a younger age team. In Spring and Fall 2014, BSC anticipates that this growth will be flat. However, as the High School boys program builds, growth in Spring 2015 will be approximately 1-2 new competitive teams each year for 3 more years until the program fills out. Also, the BSC competitive program has seen increases in non-organic growth from surrounding clubs (Storm North, Westminster, North Area Rush). Erring on the side of conservatism, the formation of new teams from this player influx has not been included in this analysis but it should be noted as a possibility.



Athletic Field User Group Survey

The City and County of Broomfield has hired Ballard*King & Associates to complete an athletic field use and demand analysis study. A major aspect of this plan is to understand the current uses and future demand for athletic fields in the city. As part of this plan, we would like you to answer the following questions regarding your organization and the use of athletic fields in the area. **Please respond by Friday, May 30, 2014.** Your quick response to this survey would be much appreciated.

Please return the survey to: Robin Garneau
Recreation Manager-Athletics
City and County of Broomfield
280 Spader Way
Broomfield, CO 80020

OR – Scan and email to: rgarneau@broomfield.org

If you have any questions please contact: Robin Garneau 303-464-5504

Questions:

1. Organization/ Association Name? Broomfield Youth Football Association

Contact person: Patrick Stacy

Address: _____

Phone number: 303-619-8791

Email Patrick.e.stacy@lmco.com

What sport(s) do you provide?

Football

Check All That Apply:

Male Female Coed

Sports Associations Survey

What are your seasons by sport?

1. Sport: Football

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter						
Spring						
Fall	8/11	10/18	10	8	3	Superbowl Flatiron Tournament
Summer						

2. Sport: _____

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter						
Spring						
Fall						
Summer						

Sports Associations Survey

2. What is the size and make-up of your organization? (# of teams, # of players, age groups, etc.)

Current year (2014 winter/spring/summer/fall) by sport and age group.

1. Sport: Football

Season	Age Group	Number of Players	Number of Teams
	Minis, 8 & 9	120	8
	Minors, 10 & 11	128	8
	Majors, 12 & 13	120	8
	Flag 6 & 7	120	10

2. Sport: _____

Season	Age Group	Number of Players	Number of Teams

Previous 3 years (2011-2013 winter/spring/summer/fall) by sport and age group.

Sports Associations Survey

2013

1. Sport: Football

Season	Age Group	Number of Players	Number of Teams
	Minis, 8 & 9	120	8
	Minors, 10 & 11	128	8
	Majors, 12 & 13	120	8
	Flag 6 & 7	120	10

2012

1. Sport: Football

Season	Age Group	Number of Players	Number of Teams
	Minis, 8 & 9	120	8
	Minors, 10 & 11	150	10
	Majors, 12 & 13	120	8
	Flag 6 & 7	120	10

Sports Associations Survey

2011

1. Sport: Football

Season	Age Group	Number of Players	Number of Teams
	Minis, 8 & 9	120	8
	Minors, 10 & 11	150	10
	Majors, 12 & 13	120	8
	Flag 6 & 7	120	10

Future 5 years (2015-2019 winter/spring/summer/fall).

In what specific program area, season, and age group do you expect the greatest growth in the next 5 years?

Program Area Of Greatest Growth	Season	Age Group	Expected Number of Players	Expected Number of Teams
Football	Fall	N/A	N/A	BYFA has held static for many years. Growth is not expected.

Sports Associations Survey

3. What are the PRIMARY fields that your organization currently utilizes?

Sport	School/park/ Other location	Community /Owner	Field/ Size	Fields Lighted (y,n)	Fees Paid (list fee)	Day(s)	Time	Games/ practices/ Both
Football	Broomfield Commons	Broomfield	4 fields	N	Y	WED/ SAT	7am – 5pm	Games
Football	Broomfield High Stadium	BVSD	1 field	Y	Y	SAT	3pm – 9pm	Games
Football	Multiple Parks	Broomfield	28 fields	N	Y	M/W/F	5 – 7pm	Practices
	Outlook - 1 Outlook - 2 2nd & Main Tennis Area Greenway Park 1 Greenway Park 2 Mountain View Park Bronco Park Minor Bronco Park Major Bronco Park Minor Midway Fire Station Midway South Midway Girl Scout Midway Kohl Nativity Greenbelt Centennial School Kohl & Miramonte Northmoore - North Lacamora - 1 Lacamora - 2 128th & Zuni (1) 128th & Zuni (2) Westlake 1 Westlake 2 McKay Landing - 1 McKay Landing - 2 Crofton Park 1 Crofton Park 2 Brandywine Bowl (Majors) Brandywine Bowl (Minis)							

4. What are the specific needs of your organization that are not currently being met by existing facilities?

Sport (season)

_____ No issues at this time _____

Sports Associations Survey

Games (time, days of the week, season)

No issues at this time

Practice (time, days of the week, season)

No issues at this time

Tournaments, etc. (sport, number, size, etc.)

No issues at this time

5. Other issues or concerns regarding field needs of your organization you would like to share?

~~BYFA has been operating in the Broomfield Community for 52 years, and I believe we work well with the city when it comes to field scheduling, facilities and coordination. We currently have no issues with this process.~~



BALLARD*KING
 & ASSOCIATES LTD
 Recreation Facility Planning and Operation Consultants

**Athletic Field User Group
 Survey**

The City and County of Broomfield has hired Ballard*King & Associates to complete an athletic field use and demand analysis study. A major aspect of this plan is to understand the current uses and future demand for athletic fields in the city. As part of this plan, we would like you to answer the following questions regarding your organization and the use of athletic fields in the area. **Please respond by Friday, May 30, 2014.** Your quick response to this survey would be much appreciated.

Please return the survey to: Robin Garneau
 Recreation Manager-Athletics
 City and County of Broomfield
 280 Spader Way
 Broomfield, CO 80020

OR – Scan and email to: rgarneau@broomfield.org

If you have any questions please contact: Robin Garneau 303-464-5504

Questions:

1. Organization/ Association Name? Broomfield Blitz Football Club

Contact person: Tracey Odegard

Address: P.O. Box 1883
Broomfield CO 80038

Phone number: 303-884-8978

Email littleindalin@comcast.net; tracey.s.odegard@gmail.com

What sport(s) do you provide?

youth flag football – competitive

youth tackle football – competitive

Check All That Apply:

Male Female Coed

Sports Associations Survey

What are your seasons by sport?

1. Sport: youth football - tackle & flag

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter						
Spring						
Fall	Aug 11	Nov 22	14-15	8 regular season 2 playoff	3-4	
Summer						

2. Sport: _____

	Start date (first practice)	End date (last game)	# of weeks	# of games	# of practices per week	Tournaments/ other events
Winter						
Spring						
Fall						
Summer						

Sports Associations Survey

2. What is the size and make-up of your organization? (# of teams, # of players, age groups, etc.)

Current year (2014 winter/spring/summer/fall) by sport and age group.

1. Sport: youth flag football (estimates based on last years #'s & current registration #'s)

Season	Age Group	Number of Players	Number of Teams
fall	Kindergarten & First Grade	22	2

2. Sport: youth tackle football

Season	Age Group	Number of Players	Number of Teams
fall	Second through Eighth Grade	≈ 320	≈ 18

Previous 3 years (2011-2013 winter/spring/summer/fall) by sport and age group.

Sports Associations Survey

2013

1. Sport: ~~Flag~~ ~~Football~~ youth football - fall

Season	Age Group	Number of Players	Number of Teams
Sport			
flag football	Kindergarten & First Grade	20	2
tackle football	Second through Eighth Grade	268	13

2012

1. Sport: youth football - fall

Season	Age Group	Number of Players	Number of Teams
Sport			
tackle football	Second through Eighth Grade	236	13

Sports Associations Survey

2011

1. Sport: ~~base~~ youth football - fall

Season	Age Group	Number of Players	Number of Teams
tackle football	Second through Eighth Grade	223	≈ 11

Future 5 years (2015-2019 winter/spring/summer/fall).

In what specific program area, season, and age group do you expect the greatest growth in the next 5 years?

Program Area Of Greatest Growth	Season	Age Group	Expected Number of Players	Expected Number of Teams
tackle football	fall	5th, 6th & 7th Grade		4-5 teams at each grade level

Sports Associations Survey

3. What are the PRIMARY fields that your organization currently utilizes?

Sport	School/park/ Other location	Community /Owner	Field/ Size	Fields Lighted (y,n)	Fees Paid (list fee)	Day(s)	Time	Games/ practices/ Both
tackle football	Momas Field	Community	Baseball	y	?	M-F	5-9:00pm	practice
tackle	Hosey Field	"	"	y	?	W & F	5-9pm	practice
tackle	Columbine East	"	outfield	n	?	M-F	5-9	"
tackle	Columbine West	Community	outfield	n	?	M-F	"	"
tackle flag	Community	Community	park	n	?	M-F	"	"
tackle	Centennial School	?	School field	n	?	M-F	"	practices for 2 teams
tackle	Quail Creek Outfield	Community	outfield	n	?	M-F	"	practice for 2 teams
tackle flag	Westlake Park	?	School field	n	?	M-F	"	practice for 2 teams
tackle	Westlake football field	?	School field	n	?	M-F	"	practice
tackle	Wild grass	Community	park	n	?	M-F	"	practice 2 teams
tackle	Zang Spur	Community	outfield/ park	n	?	M-F	"	practice 2 teams
flag	Brownfield Commons	"	100 yd football	n	?	F	"	practice

4. What are the specific needs of your organization that are not currently being met by existing facilities?

Sport (season)

fall youth flag and tackle football

Games (time, days of the week, season)

Currently Blitz only gets 2 fields on Saturday

for games. With the number of teams we have in our organization, we would like to have more access to game fields. They don't necessarily need to just be at the Commons. If we could have 1 or 2 more at another location, that would be great. Access to lighted fields is also a problem.

Sports Associations Survey

Practice (time, days of the week, season)

Practice fields during the regular season are adequate. During playoffs, access to lighted fields can be a problem.

Tournaments, etc. (sport, number, size, etc.)

We currently ~~more~~ don't use ^{city} fields during the offseason. We were told that when hiring a ~~to~~ company to instruct our kids, we had to pay full price, \$100 per hour, to use the fields.

5. Other issues or concerns regarding field needs of your organization you would like to share?

I understand that we are not the only organization using the fields. As long as field allocation is fair across all sports, we feel privileged to use the fields Broomfield provides. I hope that as our numbers grow, the city will respond to our need for a greater number of fields and as other organizations get smaller field allocation will change accordingly.