

TUESDAY STAFF BRIEFINGS

October 11, 2016

****Please Note Briefings Will Begin Immediately Following Hearings****

All items on this agenda are scheduled for immediately following Hearings and will normally be considered in the order the item appears on the agenda. The Board, at their discretion, may choose to alter the order in which items are considered, may break, or may continue any item to be considered on a future date.

Convene immediately following Hearings; BCC Conference Room, 5th Floor

Briefing Items

- | | |
|--|---|
| 1. Jefferson County Economic Development Corporation
Quarterly Update (30 minutes) | Leigh Seeger
Patty Silverstein |
| 2. Weed and Pest Update
(30 minutes) | Tom Hoby, Alicia
Doran, Zhanna
Yermakov |
| 3. Martin Marietta/Lockheed Martin Permit Application Processing
Options (30 minutes) | Jeanie Rossillon |

County Commissioners' Report

County Manager's Report

County Attorney's Report

Executive Session

- Litigation Update - Legal Advice C.R.S. 24-6-402(4)(b) (15 minutes)

Jefferson County does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in the provision of services. Disabled persons requiring reasonable accommodation to attend or participate in a County service, program or activity should call 271-5000 or TDD 271-8071. We appreciate a minimum of 24 hours advance notice so arrangements can be made to provide the requested auxiliary aid.

TUESDAY STAFF BRIEFINGS

October 11, 2016

Briefing Items			Total Estimated Time: 1 hour 30 minutes
Begin	End	Agenda No.	Title
9:00	9:30	1.	Jefferson County Economic Development Corporation Quarterly Update
9:30	10:00	2.	Weed and Pest Update
10:00	10:30	3.	Martin Marietta/Lockheed Martin Permit Application Processing Options
		4.	
		5.	
Commissioners Report			Total Estimated Time: 5 minutes
Begin	End	Agenda No.	Title
10:30	10:35	6.	
County Manager Report			Total Estimated Time: 5 minutes
Begin	End		Title
10:35	10:40		
County Attorney Report			Total Estimated Time: 5 minutes
Begin	End	Agenda No.	Title
10:40	10:45		
Executive Session			Total Estimated Time: 15 minutes
Begin	End		
10:45	11:00	Litigation Update - Legal Advice C.R.S. 24-6-402(4)(b)	

BOARD OF COUNTY COMMISSIONERS' (BCC) SCHEDULE

Time*

Topic*

Monday, October 10, 2016

NO TOPICS SCHEDULED TO DATE

Tuesday, October 11, 2016

8:00 a.m.

Public Comment and Public Hearings
Jefferson County Courts & Administration Building
100 Jefferson County Parkway, Hearing Room One

Immediately following
Public Hearings

Staff Briefings
Jefferson County Courts & Administration Building
100 Jefferson County Parkway, BCC Board Room

Immediately following
Staff Briefings

Ralph Schell
Jefferson County Courts & Administration Building
100 Jefferson County Parkway, BCC Board Room

1:30 p.m.

Legislation Update
Jefferson County Courts & Administration Building
100 Jefferson County Parkway, Golden Room

Wednesday, October 12, 2016

7:00 a.m.

Jefferson County Transportation, Action & Advocacy Group (JEFFTAAG)
Jefferson County Courts & Administration Building
100 Jefferson County Parkway, Lookout Mountain Room

12:00 p.m.

Jeffco EDC Board of Directors Meeting
1626 Cole Blvd., Bldg. 7, Golden

Thursday, October 13, 2016

9:00 a.m.

Elected Officials/Personnel Board Meeting
Jefferson County Courts & Administration Building
100 Jefferson County Parkway, BCC Board Room

11:30 a.m.

Federal Legislation Meeting
Jefferson County Courts & Administration Building
100 Jefferson County Parkway, BCC Board Room

Friday, October 14, 2016

10:00 a.m.

Colorado Counties, Inc. (CCI) Legislative Committee/Business Meeting
800 Grant Street, Ste. 500, Denver

***Emergency Items Or Other County Business For Which Prior Notice Was Not Possible May Be Considered.**



Jefferson County, Colorado

Quarterly Economic Report – Third Quarter 2016

Jefferson County's economic situation continued to improve through the third quarter of 2016, with continued employment gains and low unemployment and robust consumer trends. Employment in the county increased 2.8 percent between the first quarters of 2015 and 2016, generating an additional 6,310 jobs. The Jefferson County unemployment rate fell to 3.3 percent in the second quarter of 2016, a decline of 0.3 percentage points from the prior year. Consumer confidence rose 7.2 percent in the mountain region between the first and second quarters of 2016.

The residential real estate market reported mixed trends during the second quarter of 2016. Sales of single-family detached homes decreased between the second quarters of 2015 and 2016, falling 6.2 percent, while single-family attached home sales decreased 14.1 percent during the same period. The average sales price in both the single-family detached and the single-family attached markets increased over-the-year, rising 8.2 percent and 16.5 percent, respectively. The county reported an apartment vacancy rate of 4.1 percent, which was the lowest of the Metro Denver counties. The average rental rate for an apartment in Jefferson County rose 9.2 percent over-the-year to \$1,329 per month in the second quarter.

The commercial real estate markets in Jefferson County recorded generally tightening vacancy and rising average lease rates during the second quarter of 2016. All three classes of office space recorded falling vacancy rates, although the Class C market was the only market to record an increase in the average lease rate. The industrial warehouse market was the most constricted of the market types, reporting 3.4 percent vacancy, but this was up 2.2 percentage points from the previous year. Class A office space continued to command the highest average lease rate, charging \$25.30 per square foot during the second quarter of 2016. Jefferson County posted a net increase of 387,130 square feet of office, industrial, and retail space between the second quarters of 2015 and 2016.

Jefferson County Economic Headlines

- ◆ **Zimmer Biomet Spine Inc.** plans to relocate and expand its Westminster operations into a 104,000 square foot building at the Westmoor Technology Park. The expansion will provide 207 high-paying jobs with an average salary of \$79,000.
- ◆ **Phoenix Financial Group**, a provider of tax resolution services, is relocating and expanding its operations from Broomfield to Westminster. The company will employ 74 people with high average salaries.
- ◆ **Denver Beer Co.** announced plans to open a new location in Olde Town Arvada in the old Craig Chevrolet Dealership at 5768 Olde Wadsworth Boulevard. The company will open a 4,350-square-foot taproom that will allow them to try to recreate the atmosphere it developed as a start-up brewery, rotating new beers constantly and experimenting with new flavors. The company will invest about \$700,000 in the location and hire about eight to ten people at the facility.
- ◆ NASA selected **Lockheed Martin Space Systems Co.** and Sierra Nevada Corp. Space Systems to design experimental deep-space habitats for NASA that could be used by astronauts on the first missions beyond earth's orbit. The Metro Denver companies were two of six companies chosen to design habitats and will receive part of \$65 million in funding from NASA.
- ◆ **HomeAdvisor** announced plans to relocate its headquarters from Golden to 36th and Blake streets in Denver where the River North neighborhood meets the Cole neighborhood. The company plans to relocate 300 software and internet technology development workers to the new location, while retaining 700 sales and operations employees at the Golden location. HomeAdvisor stated that the headquarters will create room to grow and provides an office location close to public transit access and other amenities to help recruit and retain tech workers.
- ◆ **The Colorado School of Mines** was the highest ranked school in the state on the *U.S. News & World Report's* annual list of the nation's 220 top national universities. The Colorado School of Mines tied three

other major universities at No. 82 on this year's list, down from No. 75 in the 2015 list. *U.S. News* bases its annual rankings on such factors as assessments by peer universities and high school counselors, student retention and graduation rates, and faculty resources. Princeton University ranked first, followed by Harvard University and the University of Chicago.

- ◆ **Apex Ski Boots** is relocating its headquarters from Boulder to Wheat Ridge. The outdoor recreation company plans to employ 9 people. The new 2,400 square-foot facility will include a lobby, offices and storage.
- ◆ **SunShare** opened its new 1.5 megawatt community solar garden in Jefferson County. The 13-acre property, located in Arvada, could power up to 300 homes in 20 years.
- ◆ WalletHub released a list of the **best real estate markets in the country** and three Jefferson County cities made the list. Arvada ranked 10th, Westminster ranked 25th, and Lakewood ranked 32nd. The company ranked 300 cities based on 16 criteria including median home price appreciation, home sales turnover rate, rent-to-sale ratio, housing affordability, and maintenance affordability. Frisco, Texas was ranked the best real estate market in the country followed by McKinney, Texas and Richardson, Texas.

Metropolitan Region and State Economic Headlines

- ◆ CNBC released their **top states for business** list and Colorado ranked third, up one position from the 2015 list. The company ranked all 50 states on 60 business and economic measures including workforce, cost of doing business, infrastructure, education, and quality of life. The company stated that Colorado boasts the most educated workforce in the nation, but the cost of living is high. The company ranked Utah as the top state for business followed by Texas.
- ◆ Denver ranked as the **third-best city to start a tech career** by ComputerTrainingSchools.com, falling behind San Francisco and Austin. The company ranked the top 30 cities based on criteria including workers in the high-tech industry, commuting time, unemployment rate, and median earnings for tech employees. The report stated that Denver scored highly in nearly every category related to the technology industry and investors gave more than \$500 million to high-tech businesses in 2015.
- ◆ The Denver-Aurora-Lakewood metropolitan statistical area ranked as the **ninth best area for young entrepreneurs** by MoneyRates.com. The ranking was compiled using criteria including population growth, young adult affluence, educational attainment, and tax environment. The company reported that Denver not only had a healthy growth rate, but also is an attractive market because it ranked in the top 10 for educational attainment and young adult affluence. The highest ranked metro area was Austin/Round Rock, Texas followed by Raleigh, North Carolina and Midland, Texas.
- ◆ Denver received an **“A-” rating for its small business friendliness** in Thumbtack.com’s annual report. The “Small Business Friendliness Survey” asked more than 12,000 entrepreneurs in the country about state and city policies and about the level of support for small businesses in the community. Denver’s rating was up from a “B+” in last year’s report and scored especially high in overall friendliness. Colorado received an “A” grade, ranking it the fifth best in the country. The state scored best for its training and networking programs (A+) and worst for its zoning (C-).

Employment Activity

The number of businesses throughout Jefferson County increased 4.2 percent between the first quarters of 2015 and 2016, a net gain of 791 businesses. Eleven of the 13 supersectors reported growth in the number of businesses between the first quarters of 2015 and 2016. The largest percentage increase of businesses was in the transportation, warehousing, and utilities supersector, rising 6.8 percent over-the-year to 284 businesses. The education and health services supersector also reported a significant increase in businesses, rising 6 percent over-the-year, and creating 113 new businesses. The professional and business services supersector added the most

new businesses, creating 284 new establishments. The government and mining and logging sectors were the only sectors to shed establishments during the period, losing three and four establishments, respectively.

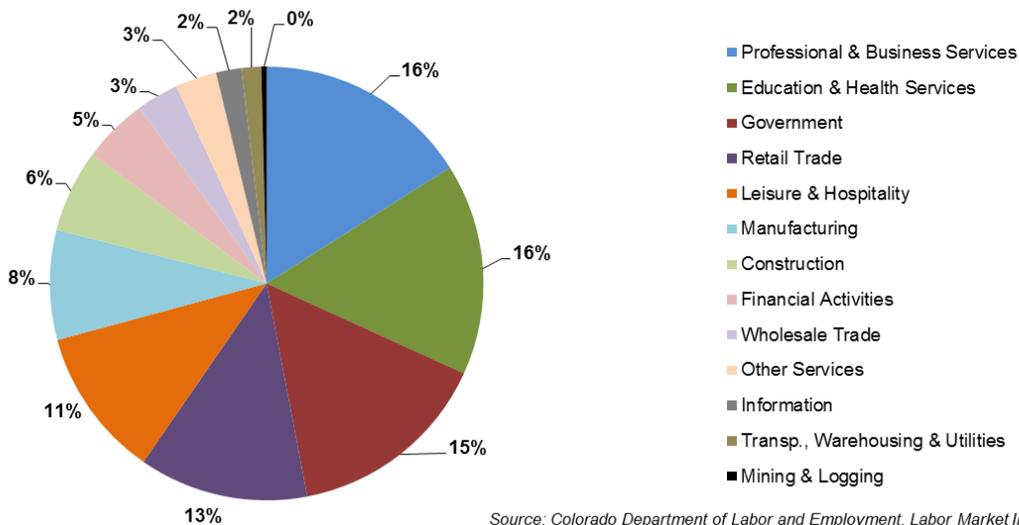
The average weekly wage for Jefferson County was \$1,025 during the first quarter of 2016, rising 0.4 percent compared with the previous year. The wholesale trade sector (\$1,915) recorded the highest average weekly wage during the period, reflecting a 6.4 percent increase in wages between the first quarters of 2015 and 2016. The construction sector also recorded a strong increase in wages during the period, rising 5.3 percent to \$1,044 per week. The professional and business services supersector posted the smallest increase in wages over-the-year,

Business and Employment Indicators by Supersector

	Jefferson County				Metro Denver			
	Quarterly Business Count		Average Weekly Wage		Quarterly Employment Level		Quarterly Employment Level	
	1Q 2016	1Q 2015	1Q 2016	1Q 2015	1Q 2016	1Q 2015	1Q 2016	1Q 2015
Total All Industries	19,453	18,662	\$1,025	\$1,020	228,817	222,507	1,543,542	1,499,727
Private Sector								
Mining & Logging	144	148	\$1,150	\$1,429	907	860	12,693	14,796
Construction	2,056	1,943	\$1,044	\$992	14,094	13,693	87,354	82,284
Manufacturing	511	491	\$1,873	\$1,886	18,728	17,309	85,642	83,982
Wholesale Trade	1,534	1,509	\$1,915	\$1,801	7,172	7,198	76,196	74,467
Retail Trade	1,787	1,743	\$549	\$540	28,906	27,976	151,365	147,577
Transp., Warehousing & Utilities	284	266	\$1,502	\$1,562	3,343	3,492	52,024	51,601
Information	303	289	\$1,471	\$1,789	4,327	4,042	53,975	52,882
Financial Activities	2,135	2,075	\$1,212	\$1,297	11,172	10,891	107,109	103,131
Professional & Business Services	5,504	5,220	\$1,357	\$1,353	36,679	35,741	283,673	277,586
Education & Health Services	2,001	1,888	\$783	\$760	36,094	35,430	200,883	193,606
Leisure & Hospitality	1,449	1,407	\$356	\$352	25,562	24,369	168,095	159,745
Other Services	1,548	1,477	\$667	\$648	7,059	6,941	47,235	45,941
Government	176	179	\$1,070	\$1,051	34,733	34,531	216,994	211,963

Note: Industry data may not add to all-industry total due to rounding, suppressed data, and employment that cannot be assigned to an industry.
 Source: Colorado Department of Labor and Employment, Labor Market Information. Quarterly Census of Employment and Wages (QCEW).

**Jefferson County Employment by Supersector
 First Quarter 2016**



Source: Colorado Department of Labor and Employment, Labor Market Information. Quarterly Census of Employment and Wages (QCEW).

rising 0.3 percent to \$1,357 per week. The lowest average wage was in the leisure and hospitality supersector, with an average weekly wage of \$356. The mining and logging (-19.5 percent), transportation, warehousing, and

utilities (-3.8 percent), information (-17.8 percent), financial activities (-6.6 percent), and manufacturing (-0.7 percent) sectors reported over-the-year declines in the average weekly wage.

Jefferson County employment increased 2.8 percent in the first quarter of 2016 compared with the prior year, representing an additional 6,310 jobs. The sector that reported the largest percentage increase and the largest absolute increase in employment was manufacturing, which rose 8.2 percent or about 1,420 jobs between the first quarters of 2015 and 2016. Professional and business services, the largest supersector by employment, reported a 2.6 percent increase over-the-year, representing about 940 new jobs. The leisure and hospitality supersector reported the second largest absolute increase in employment during the period, generating over 1,190 jobs. The wholesale trade and transportation, warehousing, and utilities sectors reported the only decreases in employment during the period, falling 0.4 percent and 4.3 percent, respectively.

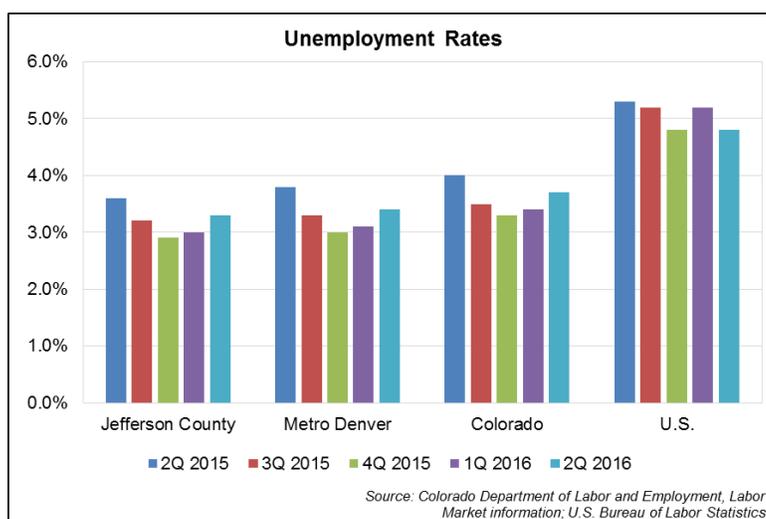
The Metro Denver area recorded slightly stronger employment growth than Jefferson County, with total employment rising 2.9 percent between the first quarters of 2015 and 2016. The construction sector reported the largest percentage increase in employment during the period, rising 6.2 percent or 5,070 jobs. The leisure and hospitality supersector (+5.2 percent) created the most jobs during the period, creating nearly 8,350 positions. The financial activities supersector also recorded strong employment growth, rising 3.9 percent during the period. The mining and logging sector recorded the only decline in employment over-the-year, decreasing 14.2 percent over-the-year or 2,100 jobs. Many of the layoffs in the oil and gas industry due to the downturn in oil prices continued through the first quarter of 2016.

Labor Force and Unemployment

Unemployment in Jefferson County decreased by 0.3 percentage points between the second quarters of 2015 and 2016, falling from 3.6 percent to 3.3 percent. The area’s labor force increased at a rate of 2.6 percent during the same period, with 8,060 additional individuals working or looking for a job. Of the seven Metro Denver counties, Jefferson County recorded the fourth lowest unemployment rate and the fourth largest over-the-year decrease in the unemployment rate. The Jefferson County second quarter 2016 unemployment rate was the lowest second quarter unemployment rate since the second quarter of 2001 when the rate was 2.9 percent. Metro Denver unemployment declined over-the-year, falling 0.4 percentage points to 3.4 percent in the second quarter, and the labor force increased at a rate of 2.6 percent over-the-year. The Metro Denver unemployment rate was the lowest second quarter rate since the second quarter of 2001 when the rate was 3.2 percent.

	Labor Force			Unemployment Rate	
	2Q 2016	2Q 2015	Yr/Yr % Change	2Q 2016	2Q 2015
Jefferson County	319,972	311,908	2.6%	3.3%	3.6%
Metro Denver	1,694,228	1,651,760	2.6%	3.4%	3.8%
Colorado	2,894,806	2,830,444	2.3%	3.7%	4.0%
U.S. (000s)	159,141	157,519	1.0%	4.8%	5.3%

Sources: Colorado Department of Labor and Employment, Labor Market Information; U.S. Bureau of Labor Statistics.



Colorado reported a 2.3 percent increase in the labor force between the second quarters of 2015 and 2016 and the unemployment rate declined 0.3

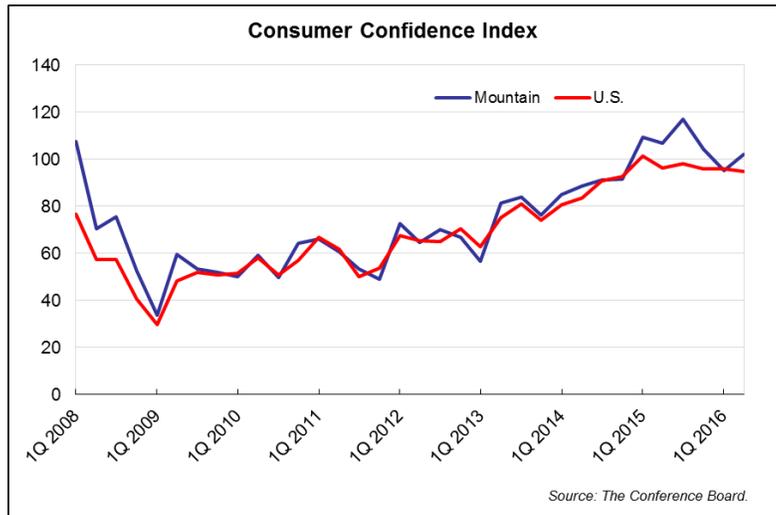
percentage points to 3.7 percent. The United States recorded a 0.5 percentage point decline in the unemployment rate over-the-year, with 1 percent growth in the labor force.

Consumer Activity

Consumer Confidence

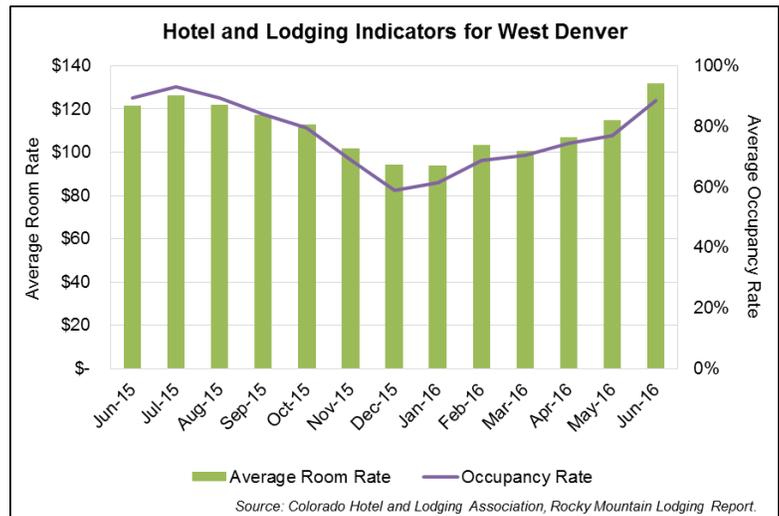
The Conference Board’s National Consumer Confidence Index decreased during the second quarter of 2016, falling 1.5 percent over-the-year to 94.8 for the U.S. index. U.S. consumer confidence also fell 1.2 percent between the first and second quarters of 2016. The decline in the national index for the second quarter 2016 marked the second consecutive quarter of over-the-year declines in consumer confidence.

The Mountain Region index, which includes Colorado, also decreased during the second quarter of 2016. The Mountain Region index fell to 102.2, an over-the-year decrease of 4.3 percent. However, the Mountain Region Index reported an over-the-quarter increase of 7.2 percent. Consumer confidence for the Mountain Region index has also reported over-the-year declines for two consecutive quarters.



Lodging

According to the *Rocky Mountain Lodging Report*, the West Denver market recorded a year-to-date occupancy rate of 73.7 percent in June 2016. This rate was 0.1 percentage points lower than the prior year’s occupancy rate. The average room rate for the West Denver market was \$110.38 per night year-to-date in June, a 4.1 percent increase from the previous year (\$106.07 per night). The year-to-date average occupancy rate in Metro Denver decreased to 73.7 percent in June 2016, down from 75.4 percent in the same month last year, and the average room rate rose 5.1 percent to \$136.72 per night.



Retail Sales

Jefferson County retail sales increased slightly between the fourth quarters of 2014 and 2015. Of the 13 cities/subareas within Jefferson County, 11 areas reported over-the-year growth in retail sales. Edgewater recorded the largest increase in retail sales during the period, rising 17.5 percent or \$6.6 million. Morrison (+11 percent) and Arvada (+9.6 percent) also reported significant increases in retail sales between the fourth quarters of

2014 and 2015. Littleton reported the smallest increase in sales over-the-year, rising 1.2 percent to \$184 million. Arvada reported an additional \$62.6 million in total retail sales between the fourth quarters of 2014 and 2015, the largest increase in sales volume in the county, followed by Lakewood with an additional \$52.5 million. Wheat Ridge and unincorporated Jefferson County reported the only decreases over-the-year, falling 25 percent and 1.1 percent, respectively.

Total retail sales in the seven-county Metro Denver area decreased 2.2 percent between the fourth quarters of 2014 and 2015 due to the lower value of mining, manufacturing, and gasoline station activity. Five of the seven counties in Metro Denver reported declines in retail sales during the period. Aside from Jefferson County, Douglas County was the only other county to record an increase in sales, rising 13.6 percent to nearly \$2.7 billion in the fourth quarter of 2015 compared with the previous year. The City and County of Denver and Boulder County recorded the smallest decreases in retail sales, both falling 3.2 percent over-the-year. Adams County reported the largest decline in retail sales during the same period, falling 5.5 percent to \$5.7 billion.

Metro Denver Total Retail Sales (\$000s)

County	City	4Q 2015	4Q 2014	Yr/Yr % change
Adams		\$5,682,668	\$6,010,676	-5.5%
Arapahoe		\$5,777,055	\$6,063,664	-4.7%
Boulder		\$3,036,560	\$3,137,873	-3.2%
Broomfield		\$720,001	\$745,793	-3.5%
Denver		\$7,750,745	\$8,003,170	-3.2%
Douglas		\$2,661,773	\$2,343,368	13.6%
Jefferson		\$4,592,678	\$4,580,990	0.3%
	Arvada	\$714,160	\$651,554	9.6%
	Conifer	\$39,084	\$36,236	7.9%
	Edgewater	\$44,222	\$37,650	17.5%
	Evergreen	\$44,256	\$42,425	4.3%
	Golden	\$420,535	\$410,902	2.3%
	Kittredge	\$2,410	\$2,409	0.0%
	Lakeside	\$27,656	\$25,587	8.1%
	Lakewood	\$1,685,296	\$1,632,769	3.2%
	Littleton	\$184,051	\$181,806	1.2%
	Morrison	\$29,286	\$26,373	11.0%
	Westminster	\$412,886	\$407,542	1.3%
	Wheat Ridge	\$391,802	\$522,340	-25.0%
	Unincorporated	\$597,034	\$603,395	-1.1%

Note: Jefferson County city totals may not sum to Jefferson County total due to rounding.

Source: Colorado Department of Revenue.

Residential Real Estate

- ◆ **MKS Residential** plans to develop a new apartment complex in the city of Arvada near the future RTD G line station. The \$83 million Solana Olde Town Station project will include 352 market-rate, garden-style apartments and 621 parking spaces on the 15-acre site south of 56th Avenue and east of Wadsworth Boulevard. The apartments will be one-, two-, and three-bedroom units ranging from 660 to 1,345 square feet with 10 floorplans.
- ◆ **MorningStar Senior Living and Confluent Development** broke ground on a senior living community in West Arvada. The project will include 141 units for independent living, assisted living, and memory care and will create over 80 new jobs. The 160,000-square-foot facility will be located on 4.5 acres at 64th Avenue and Easley and is expected to be complete in late 2017.
- ◆ **Balfour Senior Living and United Properties** will break ground on an assisted living facility in Littleton located at 8290 W. Coal Mine Avenue. The facility will have 82 units consisting of 56 assisted living apartments and 26 memory care apartments. Rents for the assisted living units will range from \$4,500 to \$6,500 per month and the memory care units will range from \$6,000 to \$7,000 per month. The companies expect construction to take about one year.

◆ **Metro West Housing Solutions projects:**

- **Lamar Station Crossing-Phase II:** This phase will complete the campus of the extremely successful TOD community that opened in 2014. It will add 65 units of low and moderate income housing for families for a total of 175 units on the campus. MWHS applied for funding in June, but was not awarded the funding. MWHS will apply again in 2017 and if awarded construction would begin in 2018 and the development would open in 2019.
- **5800 W. Alameda:** Will be 152 units of affordable family housing, both in the existing 7-story office tower and a newly constructed building. The \$35 million project will improve that part of the Alameda corridor through additional residential product and improving a blighted, vacant building. The New America School will remain in the attached retail space. The new property will add a more urban feel and will offer a significantly improved view than the current acres of asphalt parking. MWHS is in the planning and permitting process with the City of Lakewood with plans to start construction in early 2017, with plans to open mid-year 2018.

Home Sales

Jefferson County reported mixed trends in both the single-family detached and single-family attached existing home markets. The number of single-family detached homes sold decreased between the second quarters of 2015 and 2016, falling 6.2 percent to 2,289 homes sold. Prices of single-family detached homes continued to appreciate, leading to an 8.2 percent increase in the average sales price to \$426,320 during the period. Of the seven counties in Metro Denver, Jefferson County recorded the fifth highest average sales price and was third for the number of homes sold. The City and County of Denver posted the most homes sold during the quarter, selling 2,617 homes, and reported an over-the-year increase in sales of 0.2 percent. Boulder County recorded the highest average sales price (\$607,650) and recorded the largest increase in the average sales price, rising 13.4 percent over-the-year.

Sales of single-family attached homes in Jefferson County decreased 14.1 percent between the second quarters of 2015 and 2016, to 739 homes sold or 121 fewer homes sold. The average sales price of a single-family attached home rose, recording a 16.5 percent increase to \$230,600 during the same period. Compared with the other six counties in Metro Denver, Jefferson County recorded the third highest number of homes sold and reported the fifth highest average sales price in the single-family attached market. Arapahoe County posted the most single-family attached home sales (1,202 sales) and Boulder County reported the highest average sales price (\$370,230) during the second quarter. Increases in the average sales price for single-family attached homes ranged from 2.9 percent in the City and County of Denver to 22.8 percent in Boulder County.

Existing Home Sales

	Metro Denver County Markets							Metro Denver Total
	Adams	Arapahoe	Boulder	Broomfield	Denver	Douglas	Jefferson	
Home Sales								
<i>Single-Family Detached</i>								
2Q 2016	1,913	2,369	1,281	321	2,617	1,857	2,289	12,647
2Q 2015	2,014	2,486	1,379	351	2,611	1,929	2,441	13,211
<i>Single-Family Attached</i>								
2Q 2016	492	1,202	297	39	1,125	314	739	4,208
2Q 2015	541	1,315	402	49	1,245	405	860	4,817
Average Sold Price								
<i>Single-Family Detached</i>								
2Q 2016	\$312,358	\$403,295	\$607,646	\$440,635	\$467,614	\$486,276	\$426,317	\$440,846
2Q 2015	\$292,217	\$376,535	\$535,910	\$392,095	\$440,194	\$454,152	\$393,929	\$407,859
<i>Single-Family Attached</i>								
2Q 2016	\$210,180	\$212,098	\$370,226	\$267,390	\$288,421	\$289,975	\$230,599	\$253,012
2Q 2015	\$185,602	\$195,112	\$301,582	\$251,676	\$280,412	\$256,759	\$197,958	\$231,243

Source: ColoradoComps.

Apartment Market

Jefferson County had the lowest apartment vacancy rate of the six Metro Denver county market groups for the second quarter of 2016. The Jefferson County vacancy rate rose 0.7 percentage points between the second quarters of 2015 and 2016 to 4.1 percent vacancy. However, the vacancy rate fell 0.6 percentage points over-the-quarter. The Jefferson County second quarter vacancy rate was 1.3 percentage points below the Metro Denver average (5.4 percent). The average rental rate in the county for all apartment types (\$1,329 per month) rose 1.9 percent between the first and second quarters of 2016, recording the smallest over-the-quarter increase in the average lease rate of the six county market groups. The county reported a 9.2 percent increase over-the-year in the average rental rate, rising from \$1,217 per month in the second quarter of 2015.

**Metro Denver Average Apartment Rents and Vacancy
Second Quarter 2016**

County	Vacancy Rate	Efficiency	1 Bed	2 Bed 1 Bath	2 Bed 2 Bath	3 Bed	Other	All
Adams	6.4%	\$967	\$1,147	\$1,264	\$1,524	\$1,845	\$1,297	\$1,317
Arapahoe	4.8%	\$978	\$1,139	\$1,252	\$1,499	\$1,899	\$1,664	\$1,299
Boulder/Broomfield	5.9%	\$1,308	\$1,357	\$1,416	\$1,723	\$2,029	\$1,587	\$1,527
Denver	5.4%	\$1,189	\$1,255	\$1,285	\$1,738	\$1,937	\$1,727	\$1,391
Douglas	7.7%	\$1,226	\$1,349	\$1,502	\$1,683	\$2,118	\$2,075	\$1,543
Jefferson	4.1%	\$989	\$1,191	\$1,216	\$1,512	\$1,755	\$1,423	\$1,329
Metro Average	5.4%	\$1,151	\$1,218	\$1,282	\$1,604	\$1,911	\$1,550	\$1,371

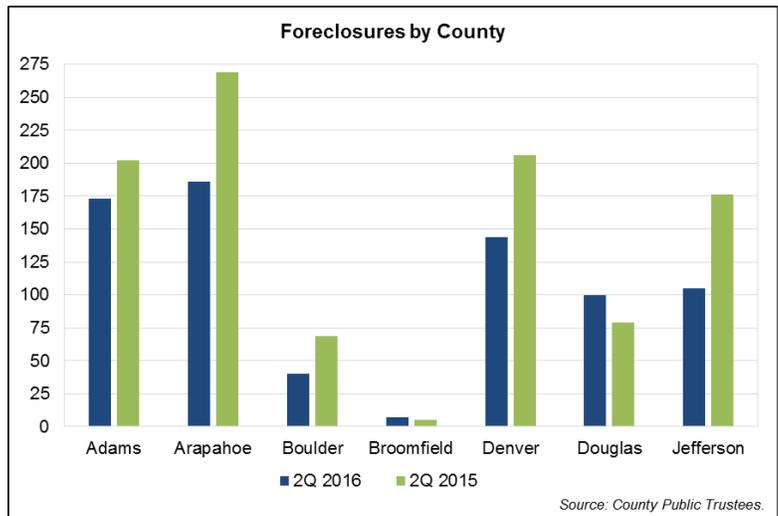
Source: Denver Metro Apartment Vacancy and Rent Survey.

The Metro Denver apartment rental market loosened between the second quarters of 2015 and 2016, with the vacancy rate rising 0.9 percentage points to 5.4 percent. Five of the six county market groups in Metro Denver reported over-the-year increases in the vacancy rate and all six reported increases in the average rental rate. Douglas County recorded a significant over-the-year increase in the vacancy rate, rising 4.3 percentage points to 7.7 percent. The Metro Denver average rental rate of \$1,371 per month for all apartment types increased 8.4 percent over-the-year. The largest over-the-year increase in the average rental rate was in Adams County (+11.6 percent). Douglas County and the Boulder/Broomfield market reported the smallest over-the-year increases in the average rental rate, rising 3.7 percent and 5.8 percent, respectively.

Foreclosures

Foreclosure filings in Jefferson County decreased between the second quarters of 2015 and 2016. Foreclosure filings in the county fell 40.3 percent compared with the previous year to 105 total filings. Jefferson County recorded the second largest over-the-year decrease in foreclosures of the seven Metro Denver counties. Foreclosure filings also decreased between the first and second quarters of 2016, falling 37.9 percent.

Metro Denver recorded a 25 percent decrease over-the-year and a 19.8 percent decrease over-the-quarter, reporting 755 total foreclosure filings during the second quarter of 2016.



Residential Construction

Residential building permits in Jefferson County increased 105.8 percent between the second quarters of 2015 and 2016. Single-family detached permits accounted for 48 percent of the total permits issued during the second quarter of 2016 with 461 units. There was a 0.2 percent decrease over-the-year in single-family detached permits issued throughout Jefferson County, representing one less permit issued during the period. There were six single-family attached permits issued during the second quarter of 2016, one less permit than the same quarter the previous year. Multi-family building permits increased during the period, rising from zero permits issued during the second quarter 2015 to 494 permits issued during the second quarter of 2016.

Jefferson County Residential Building Permits

	Single-Family Detached		Single-Family Attached		Multi-Family		Total Units	
	2Q 2016	2Q 2015	2Q 2016	2Q 2015	2Q 2016	2Q 2015	2Q 2016	2Q 2015
Unincorp. Jefferson County	128	91	6	2	84	-	218	93
Arvada	205	253	-	-	-	-	205	253
Edgewater	-	1	-	-	-	-	-	1
Golden	3	5	-	-	-	-	3	5
Lakewood	60	52	-	-	410	-	470	52
Westminster*	55	54	-	3	-	-	55	57
Wheat Ridge	10	6	-	-	-	-	10	6
Total Units	461	462	6	5	494	0	961	467

*Westminster included in Adams and Jefferson Counties. Total may reflect construction not in Jefferson County. Source: U.S. Census Bureau.

The Jefferson County cities reported similar trends across the three building permit categories between the second quarters of 2015 and 2016. Multi-family permits were only issued in Unincorporated Jefferson County and Lakewood. Arvada reported the largest number of total single-family detached permits within the county, reporting 205 permits for the quarter, a 19 percent decrease compared with the previous year’s level. Wheat Ridge reported a 66.7 percent increase in single-family detached permits, the largest percentage increase of the seven submarkets. Lakewood issued 60 single-family detached home permits during the second quarter of 2016, an increase of 15.4 percent compared with the prior year.

Commercial Real Estate

- ◆ **Red Rocks Community College** opened the \$22.5 million expansion of its Arvada satellite campus, which transformed the location into a full-service campus for students. The 55,000-square-foot building includes state-of-the-art classrooms, labs, and study areas and serves students pursuing degrees in occupations such as medical and physician assistants, nurse aides, and diagnostic medical sonography.

Note: lease rates for industrial, flex, and retail property are triple-net; office rates are full-service.

Office Market

Vacancy rates for the Jefferson County office market improved for all three classes of office space between the second quarters of 2015 and 2016. About 219,250 square feet of Class A and B office space was added to the market over-the-year, representing 10.2 percent of all Class A and B space added in Metro Denver. Class B space reported the largest decline in the vacancy rate, falling 2.9 percentage points to 14.4 percent. Class A vacancy declined 2.1 percentage points over-the-year, falling to 7.3 percent. The vacancy rate for Class C space fell 2.8 percentage points to 6.3 percent.

The average lease rates for office space in Jefferson County fell across two of the three classes of office buildings through the second quarter of the year. Class B space reported the only increase in the average lease rate, rising 3.8 percent to \$19.04 per square foot. The average lease rate for Class C space decreased 0.5 percent to \$14.43 per square foot. The average lease rate for Class A space fell 1.2 percent to \$25.30 per square foot.

The Metro Denver office market continued to tighten across all three classes of office space between the second quarters of 2015 and 2016. Over 2.15 million square feet of Class A and Class B office space was added to the market over-the-year. Class C space reported the largest decline in the vacancy rate, falling 1.8 percentage points over-the-year to 3.7 percent. Class A and Class B space also recorded declines in the vacancy rate, falling 0.5 percentage points and 0.6 percentage points, respectively. The average lease rate in the office market improved significantly over-the-year. Class B space reported the largest increase in the

average lease rate, rising 7.5 percent to \$22.23 per square foot. Class A and Class C office lease rates also reported increases, rising 1.7 percent and 5.6 percent, respectively.

Industrial Market

Industrial vacancy in Jefferson County rose during the second quarter of 2016. The industrial warehouse market reported a 2.2 percentage point increase in the vacancy rate between the second quarters of 2015 and 2016, rising from 1.2 percent to 3.4 percent. Despite the increase, the vacancy rate is among the lowest warehouse vacancy rates since the availability of the data in Jefferson County. The average lease rate in the industrial warehouse market increased 5.8 percent over-the-year to \$7.46 per square foot. The vacancy rate in the flex/R&D market rose 2.8 percentage points over-the-year to 5.5 percent vacancy. The average lease rate rose 13 percent during the same period, increasing to \$10.85 per square foot. Between the second quarters of 2015 and 2016, the industrial warehouse market added 30,420 square feet of space and the flex/R&D market added 17,000 square feet of space, representing 1.7 percent and 62.5 percent of space added in Metro Denver, respectively.

The industrial market in Metro Denver loosened between the second quarters of 2015 and 2016. The industrial warehouse market reported a 1.6 percentage point increase in the vacancy rate, rising from 2.6 percent to 4.2 percent. The average lease rate rose 13.2 percent to \$7.39 per square foot. The flex/R&D market in Metro Denver reported a 4.7 percentage point increase in the vacancy rate over-the-year, rising to 11.8 percent from 7.1 percent. The average lease rate rose 8.3 percent during the period to \$11.44 per square foot.

Retail Market

The Jefferson County retail market reported a 0.1 percentage point decrease in vacancy to 5.8 percent in the second quarter of 2016. The vacancy rate is among the lowest fourth quarter vacancy rates since the availability of the data. The average lease rate increased 2.9 percent between the second quarters of 2015 and 2016, rising \$0.40 to \$14.04 per square foot. The county added 120,470 square feet to the retail market over-the-year, representing 8 percent of the 1.5 million square feet added in Metro Denver during the period.

The Metro Denver retail market reported similar trends to Jefferson County through the second quarter of the year. The vacancy rate in the area fell 0.3 percentage points to 4.8 percent during the period, reporting the lowest rate in Metro Denver since the availability of the data in 2006. The average lease rate increased 3.3 percent during the same period, rising from \$15.90 per square foot to \$16.42 per square foot.

Jefferson County Commercial Vacancy and Lease Rates by Property Type

	Total Existing Square Footage		Vacancy Rate		Avg Lease Rate (per sq. ft.)	
	2Q 2016	2Q 2015	2Q 2016	2Q 2015	2Q 2016	2Q 2015
Office						
Jefferson County						
Class A	5,413,906	5,385,648	7.3%	9.4%	\$25.30	\$25.61
Class B	14,004,282	13,813,295	14.4%	17.3%	\$19.04	\$18.34
Class C	3,457,254	3,457,254	6.3%	9.1%	\$14.43	\$14.50
Metro Denver						
Class A	63,158,356	61,542,962	9.3%	9.8%	\$30.18	\$29.67
Class B	94,890,075	94,349,427	10.1%	10.7%	\$22.23	\$20.68
Class C	22,375,814	22,375,814	3.7%	5.5%	\$17.66	\$16.73
Industrial						
Jefferson County						
Industrial Warehouse	7,941,050	7,910,635	3.4%	1.2%	\$7.46	\$7.05
Flex/R&D	1,402,784	1,385,784	5.5%	2.7%	\$10.85	\$9.60
Metro Denver						
Industrial Warehouse	131,678,156	129,876,794	4.2%	2.6%	\$7.39	\$6.53
Flex/R&D	10,199,998	10,172,808	11.8%	7.1%	\$11.44	\$10.56
Retail						
Jefferson County	34,389,393	34,268,922	5.8%	5.9%	\$14.04	\$13.64
Metro Denver	163,547,863	162,037,610	4.8%	5.1%	\$16.42	\$15.90

Note: Vacancy rate and average lease rate are for direct space only (excludes sublet space). Industrial, flex, and retail lease rates are triple-net; office rates are full-service.

Source: CoStar Realty Information, Inc.

Commercial Construction

There was over 635,500 square feet of commercial space completed in Jefferson County through the first half of 2016, consisting of 108,810 square feet of retail space, 236,750 square feet of office space, 33,500 square feet of flex space, and 256,450 square feet of industrial space. There were 21 buildings completed during the first half of 2016. The largest buildings were a 127,000-square-foot FirstBank office building and the 211,030-square-foot FedEx industrial building.

There was about 448,050 square feet of commercial space under construction through the first half of 2016. The retail market represented the majority of projects in the pipeline, with 248,600 square feet of retail space under construction during the second quarter. There was 64,000 square feet of office space and 135,450 square feet of flex space under construction during the same period.

Provided by:
 Jefferson County Economic Development Corporation
 1667 Cole Boulevard, Suite 400
 Golden, Colorado 80401
 303-202-2965
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Prepared by:
 Development Research Partners, Inc.
 10184 West Belleview Ave, Ste 100
 Littleton, Colorado 80127
 303-991-0070
www.developmentresearch.net

September 2016



Jefferson County, Colorado

Quarterly Economic Report – Third Quarter 2016



Jeffco Economic Headlines



Jefferson County Economic Development Corporation

Business & Employment Activity



Business and Employment Indicators by Supersector

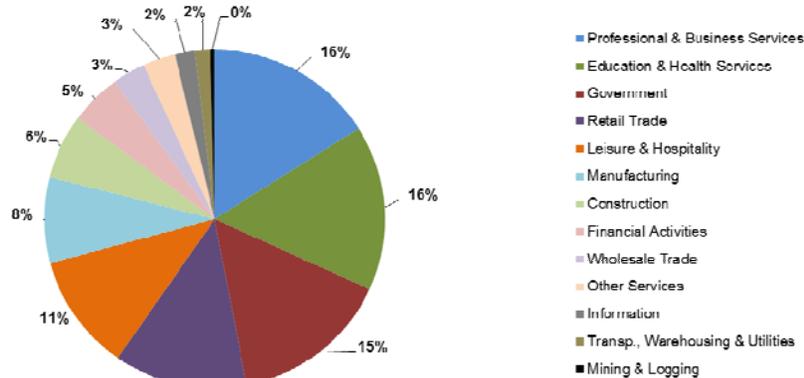
	Jefferson County				Metro Denver			
	Quarterly Business Count		Average Weekly Wage		Quarterly Employment Level		Quarterly Employment Level	
	1Q 2016	1Q 2015	1Q 2016	1Q 2015	1Q 2016	1Q 2015	1Q 2016	1Q 2015
Total All Industries	19,453	18,662	\$1,025	\$1,020	228,817	222,507	1,543,542	1,499,727
Private Sector								
Mining & Logging	144	148	\$1,150	\$1,429	907	860	12,693	14,796
Construction	2,056	1,943	\$1,044	\$992	14,094	13,693	87,354	82,284
Manufacturing	511	491	\$1,873	\$1,886	18,728	17,309	85,642	83,982
Wholesale Trade	1,534	1,509	\$1,915	\$1,801	7,172	7,198	76,196	74,467
Retail Trade	1,787	1,743	\$549	\$540	28,906	27,976	151,365	147,577
Transp., Warehousing & Utilities	284	266	\$1,502	\$1,562	3,343	3,492	52,024	51,601
Information	303	289	\$1,471	\$1,789	4,327	4,042	53,975	52,882
Financial Activities	2,135	2,075	\$1,212	\$1,297	11,172	10,891	107,109	103,131
Professional & Business Services	5,504	5,220	\$1,357	\$1,353	36,679	35,741	283,673	277,586
Education & Health Services	2,001	1,888	\$783	\$760	36,094	35,430	200,883	193,606
Leisure & Hospitality	1,449	1,407	\$356	\$352	25,562	24,369	168,095	159,745
Other Services	1,548	1,477	\$667	\$648	7,059	6,941	47,235	45,941
Government	176	179	\$1,070	\$1,051	34,733	34,531	216,994	211,963

Jefferson County Economic Development Corporation

Employment Activity



**Jefferson County Employment by Supersector
First Quarter 2016**



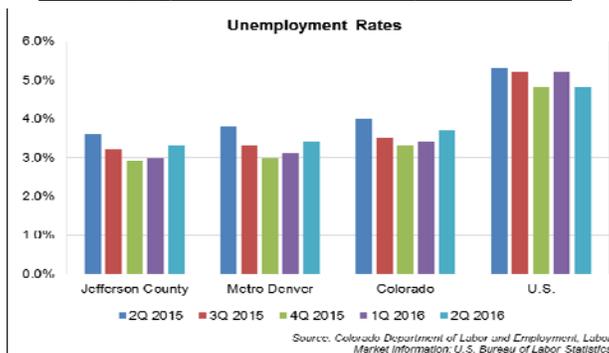
Source: Colorado Department of Labor and Employment, Labor Market Information Quarterly Census of Employment and Wages (QCEW).

Jefferson County Economic Development Corporation

Labor Force & Unemployment

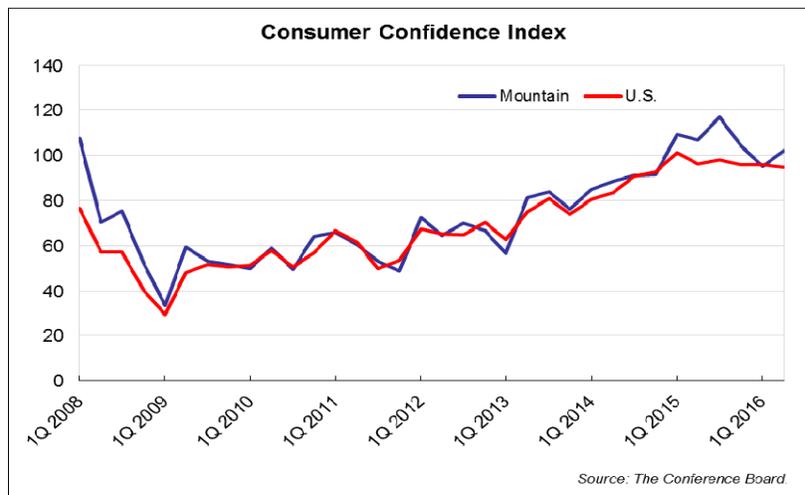


	Labor Force			Unemployment Rate	
	2Q 2016	2Q 2015	Yr/Yr % Change	2Q 2016	2Q 2015
Jefferson County	319,972	311,908	2.6%	3.3%	3.6%
Metro Denver	1,694,228	1,651,760	2.6%	3.4%	3.8%
Colorado	2,894,806	2,830,444	2.3%	3.7%	4.0%
U.S. (000s)	159,141	157,519	1.0%	4.8%	5.3%



Jefferson County Economic Development Corporation

Consumer Activity



Jefferson County Economic Development Corporation

Consumer Activity



Metro Denver Total Retail Sales (\$000s)

County	City	4Q 2015	4Q 2014	Yr/Yr % change
Adams		\$5,682,668	\$6,010,676	-5.5%
Arapahoe		\$5,777,055	\$6,063,664	-4.7%
Boulder		\$3,036,560	\$3,137,873	-3.2%
Broomfield		\$720,001	\$745,793	-3.5%
Denver		\$7,750,745	\$8,003,170	-3.2%
Douglas		\$2,661,773	\$2,343,368	13.6%
Jefferson		\$4,592,678	\$4,580,990	0.3%
	Arvada	\$714,160	\$651,554	9.6%
	Conifer	\$39,084	\$36,236	7.9%
	Edgewater	\$44,222	\$37,650	17.5%
	Evergreen	\$44,256	\$42,425	4.3%
	Golden	\$420,535	\$410,902	2.3%
	Kittredge	\$2,410	\$2,409	0.0%
	Lakeside	\$27,656	\$25,587	8.1%
	Lakewood	\$1,685,296	\$1,632,769	3.2%
	Littleton	\$184,051	\$181,806	1.2%
	Morrison	\$29,286	\$26,373	11.0%
	Westminster	\$412,886	\$407,542	1.3%
	Wheat Ridge	\$391,802	\$522,340	-25.0%
	Unincorporated	\$597,034	\$603,395	-1.1%

Jefferson County Economic Development Corporation

Residential Real Estate



Existing Home Sales

	Metro Denver County Markets							Metro Denver Total
	Adams	Arapahoe	Boulder	Broomfield	Denver	Douglas	Jefferson	
Home Sales								
<i>Single-Family Detached</i>								
2Q 2016	1,913	2,369	1,281	321	2,617	1,857	2,289	12,647
2Q 2015	2,014	2,486	1,379	351	2,611	1,929	2,441	13,211
<i>Single-Family Attached</i>								
2Q 2016	492	1,202	297	39	1,125	314	739	4,208
2Q 2015	541	1,315	402	49	1,245	405	860	4,817
Average Sold Price								
<i>Single-Family Detached</i>								
2Q 2016	\$312,358	\$403,295	\$607,646	\$440,635	\$467,614	\$486,276	\$426,317	\$440,846
2Q 2015	\$292,217	\$376,535	\$535,910	\$392,095	\$440,194	\$454,152	\$393,929	\$407,859
<i>Single-Family Attached</i>								
2Q 2016	\$210,180	\$212,098	\$370,226	\$267,390	\$288,421	\$289,975	\$230,599	\$253,012
2Q 2015	\$185,602	\$195,112	\$301,582	\$251,676	\$280,412	\$256,759	\$197,958	\$231,243

Source: ColoradoComps.

Jefferson County Economic Development Corporation



**Metro Denver Average Apartment Rents and Vacancy
Second Quarter 2016**

County	Vacancy Rate	Efficiency	1 Bed	2 Bed 1 Bath	2 Bed 2 Bath	3 Bed	Other	All
		Adams	6.4%	\$967	\$1,147	\$1,264	\$1,524	\$1,845
Arapahoe	4.8%	\$978	\$1,139	\$1,252	\$1,499	\$1,899	\$1,664	\$1,299
Boulder/Broomfield	5.9%	\$1,308	\$1,357	\$1,416	\$1,723	\$2,029	\$1,587	\$1,527
Denver	5.4%	\$1,189	\$1,255	\$1,285	\$1,738	\$1,937	\$1,727	\$1,391
Douglas	7.7%	\$1,226	\$1,349	\$1,502	\$1,683	\$2,118	\$2,075	\$1,543
Jefferson	4.1%	\$989	\$1,191	\$1,216	\$1,512	\$1,755	\$1,423	\$1,329
Metro Average	5.4%	\$1,151	\$1,218	\$1,282	\$1,604	\$1,911	\$1,550	\$1,371

Source: Denver Metro Apartment Vacancy and Rent Survey.



Jefferson County Residential Building Permits

	Single-Family Detached		Single-Family Attached		Multi-Family		Total Units	
	2Q 2016	2Q 2015	2Q 2016	2Q 2015	2Q 2016	2Q 2015	2Q 2016	2Q 2015
Unincorp. Jefferson County	128	91	6	2	84	-	218	93
Arvada	205	253	-	-	-	-	205	253
Edgewater	-	1	-	-	-	-	-	1
Golden	3	5	-	-	-	-	3	5
Lakewood	60	52	-	-	410	-	470	52
Westminster*	55	54	-	3	-	-	55	57
Wheat Ridge	10	6	-	-	-	-	10	6
Total Units	461	462	6	5	494	0	961	467

*Westminster included in Adams and Jefferson Counties. Total may reflect construction not in Jefferson County. Source: U.S. Census Bureau.

Commercial Real Estate



Jefferson County Commercial Vacancy and Lease Rates by Property Type

	Total Existing Square Footage		Vacancy Rate		Avg Lease Rate (per sq. ft.)	
	2Q 2016	2Q 2015	2Q 2016	2Q 2015	2Q 2016	2Q 2015
Jefferson County						
Class A	5,413,906	5,385,648	7.3%	9.4%	\$25.30	\$25.61
Class B	14,004,282	13,813,295	14.4%	17.3%	\$19.04	\$18.34
Class C	3,457,254	3,457,254	6.3%	9.1%	\$14.43	\$14.50
Metro Denver						
Class A	63,158,356	61,542,962	9.3%	9.8%	\$30.18	\$29.67
Class B	94,890,075	94,349,427	10.1%	10.7%	\$22.23	\$20.68
Class C	22,375,814	22,375,814	3.7%	5.5%	\$17.66	\$16.73
Office						
Industrial						
Jefferson County						
Industrial Warehouse	7,941,050	7,910,635	3.4%	1.2%	\$7.46	\$7.05
Flex/R&D	1,402,784	1,385,784	5.5%	2.7%	\$10.85	\$9.60
Metro Denver						
Industrial Warehouse	131,678,156	129,876,794	4.2%	2.6%	\$7.39	\$6.53
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Retail						
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	34,389,393	34,268,922	5.8%	5.9%	\$14.04	\$13.64
Metro Denver						
	163,547,863	162,037,610	4.8%	5.1%	\$16.42	\$15.90

Jefferson County Economic Development Corporation



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Jefferson County Economic Development Corporation

**Board of County Commissioners
Open Space Update
October 11, 2016**

ITEMS OF INTEREST

1. Weed & Pest Update, Attachment A & B

The Weed & Pest program ensures that Jefferson County is complying with the Noxious Weed and Pest Control Acts. Staff will provide an overview of the program that speaks to specifics such as what noxious weeds are; where they come from; their impacts; why they are important to control; County requirements and enforcement procedures. Staff will also provide the 2015 Weed & Pest Annual Report and an annual report summary infographic.

2015 Annual Report Jefferson County Weed & Pest

Jefferson County is unique because it is the crossroads of North America where the plains meet the mountains and where continental transportation corridors meet.

While this makes Jefferson County very special it also makes us vulnerable to invasions by harmful non-native species.



Prepared by: Alicia Doran, Weed and Pest Management Specialist

Noxious Weeds

Introduction

Noxious weeds are non-native plants that are identified by the Colorado Commissioner of Agriculture as being harmful to agricultural or natural lands. They use resources and displace desirable plants that livestock and wildlife depend on.

In the mid-1990's Colorado enacted a law that requires counties and municipalities to manage noxious weeds and included a list of 10 weeds that were required to be controlled. In 2003 the law was modified to include prioritized lists and in 2007 a Watch List was added. The current list includes 102 species, 62 are found in Jeffco. The weeds must be managed using methods designated by the Commissioner of Agriculture to achieve the required level of control.

Eradication - the complete elimination of a population of a noxious weed

Containment - the act of managing a population of a noxious weed to keep it within designated boundaries

Suppression - the management of a noxious weed resulting in reduction of a population.

Ultimately elimination is the goal

List A

Noxious weeds of limited distribution in the state or not yet known to occur. Owners must eliminate these prior to reproduction.

List B

Noxious weeds that are found at differing levels across the state. If they are widespread in an area then they are designated for containment and suppression. If they are limited then they are required to be eradicated.

List C

Noxious weeds that are widespread throughout the state. Control is recommended.

Watch List

Weeds that are not yet well understood within Colorado. They may be known from surrounding states. Control is recommended.

Noxious Weeds in Jeffco		
List	State List	In Jeffco
List A	25	9
List B	37	31 (10 Erad)
List C	16	14
Watch List	24	6
Total	102	62

County Responsibilities

The county is responsible for controlling noxious weeds on properties it owns and is responsible for ensuring that noxious weeds are controlled in the unincorporated portion of the county on private and non-federal and non-municipal public lands.

The Noxious Weed Act requires that the county develop a management plan and appoint an advisory committee. The Board of County Commissioners acts as the advisory committee for Jefferson County.

The ultimate purpose of the county's management plan is to provide Jeffco residents with the tools necessary to understand the threat of invasive weeds and their responsibility to control them. We focus on providing identification tools, control recommendations and best management practices for sustainable land stewardship. The Act also provides procedures for taking enforcement action.

Weed & Pest

The Jefferson County Weed & Pest program (Jeffco W&P) is the county's lead for outreach and education and is responsible for enforcement of the Noxious Weed and Pest Acts. Jeffco W&P provides trainings, consultations and recommendations. Our responsibilities include ensuring compliance through observations, responding to complaints and completing enforcement actions. The Weed & Pest Management Specialist (WPMS) acts as the technical expert for the county and provides professional comments for current and proposed legislation.

The WPMS works to ensure that Jeffco is meeting state mandated requirements and provides technical support to Jeffco Open Space, Road and Bridge and other county departments.

Jeffco W&P works with local cities and agencies to promote regional control efforts and with non-profits to contribute to state and local efforts. The WPMS serves as the county's liaison for weed and pest related issues.

State and Regional Collaborations - Purge Your Spurge, Nox Weeds of Colorado, Pulling for CO, Jefferson Conservation District Education Events

Education

As the county's lead for outreach and education, Jeffco W&P published articles, offered trainings, made site visits and provided consultations to landowners.

Jeffco W&P Education Contacts	
Type	Number
Consultations	250
Letters	1,200
News Articles	46,000
Site Visits	8
Trainings	125
Volunteer Projects	65
Website	24,000
Total	71,648



Knotweed - List A

Eradication List A

Jeffco has nine List A noxious weeds. The most prevalent is Myrtle spurge. There are over 680 known sites, 654 on private property.

- Hairy willow-herb - 10 sites, 8 on private property
- Knotweed - 26 sites, 24 on private property
- Myrtle spurge - over 680 sites, 654 on private property
- Orange hawkweed - 45 sites, 42 on private property
- Purple loosestrife - 29 sites, 26 on private property

- Arundo - eliminated 2 sites (2007 and 2010)
- Dyer's woad - eliminated one site (2010)
- Yellow starthistle - eliminated one site (2000)

For a complete list of weeds found in Jeffco, see Appendix A.

Cost Share

Jeffco W&P offers a small cost share program for eradication weeds in unincorporated parts of the county. In 2015 we provided funding that included treatment of Knotweed, Myrtle spurge and Orange hawkweed.

B, C and Watch Lists

There are 10 List B species that owners are required to eradicate and 21 that are required to be controlled.

Jeffco has 14 List C and 6 Watch List species that owners are encouraged to control.

Jeffco W&P works to educate landowners about the importance of these noxious weeds and their impacts.

Enforcement

In 2015 Jeffco W&P surveyed over 50,000 properties through roadside observations. We sent information to individual landowners where noxious weeds were observed or if we saw neighborhoods with high levels of infestation.

Five official enforcement actions were taken. Four were resolved and one was carried forward to 2016.

See CRS 35 5.5 for state mandated enforcement procedures and Appendix B for the Jeffco enforcement policy/procedure.



Orange hawkweed - List A



Hairy willowherb - List A

Contract Oversight

The WPMS oversaw a contractor who treated three County owned properties for List A and List B-Erad species and one Open Space owned Senate Bill greenbelt property. The County owned properties are not currently assigned to a department for management.

Staffing

The Jeffco W&P program consists of one Weed & Pest Management Specialist and seasonal help. In 2015 we had two 27-hours per week seasonals from April through August. In past years we have had up to four 40-hours per week seasonals from May through August. Starting in 2014 we moved to a 27-hour week for seasonals to comply with the constraints of the federal ACA.

Funding

Jeffco W&P is funded jointly through the General Fund and through Open Space.

Open Space

The Ecological Services Team (JCOS-ES) is responsible for treating noxious weeds on 45,099 acres of Open Space land. In 2015 they treated 1,074 infested acres and devoted the 6773 hours to field staff time.

Eradication

Myrtle spurge on Open Space is found primarily in steep, rocky areas that can only be reached on foot. JCOS-ES spends the late winter and early spring months climbing these rocky slopes to backpack spray isolated patches of this highly invasive noxious weed. Eight parks were treated.

Other eradication efforts include two Purple loosestrife sites, two Orange hawkweed sites and one Black henbane site. Work has also been started on a Yellow flag iris site along Bear Creek.

List B and C

During the spring and early summer the team switches to treating larger patches of List B and C biennial and perennials like leafy spurge, Canada thistle, Musk thistle, Diffuse knapweed and Common mullein. They suspend most treatment during the hottest months in the summer when the plants are least receptive to treatment and then start up again in early September.

Other Methods of Treatment

Mechanical - Removal

JCOS-ES held three volunteer weed events. 60 people contributed 260 hours of noxious weed removal.

Cultural

Haying at South Valley and Hildebrand Parks was used as part of the integrated treatments which promote sustainable landscapes. In 2016 grazing was re-introduced at Ranson Edwards Park.

JCOS-ES started a grassland restoration project at North Table Mountain.

They re-seeded as part of their integrated approach that also included herbicide treatments.

Biological Control

JCOS-ES and Jeffco W&P coordinated with the Colorado Department of Agriculture for release of biological control insects at Mt. Falcon Park.

Collaboration

JCOS-ES collaborated with CSU on experimental herbicide field trials at Hildebrand and Ranson Edwards Parks. They also worked with Denver Botanical Gardens on a floristic inventory and riparian restoration project along Deer Creek.

Road & Bridge

Road and Bridge is responsible for treating over 2300 lane miles of road right-of-way. In 2015 they treated a net total of 264 acres. Because roadsides are by nature constantly disturbed they are a prime location for weed infestations and the rights-of-way need to be treated every year. Road and Bridge has two full-time staff that treat during the season (spring through fall).

Other Departments

Transportation and Engineering oversee the agreement with Urban Drainage to mow designated drainages which includes areas of noxious weeds.

Cooperative Extension provided two paid public education events.

Planning and Zoning receives comments about proposed projects that may have a noxious weed risk.

Pests

Jeffco W&P provides education, project coordination and enforcement for insect, vertebrate and aquatic pests.

New Pests

Emerald Ash Borer

Emerald Ash Borer (EAB) is a non-native wood boring beetle that kills Ash trees. The majority of the Ash in Jeffco is ornamental and is found in the suburban developed areas. Although not yet found in Jeffco, it will become established within the next 2-5 years and will create challenges for property owners. It is estimated that Ash comprises about 39% of the urban forest. Currently there is a federal quarantine that prevents movement of wood and lumber.



Emerald Ash Borer

Douglas Fir Tussock Moth

Douglas Fir Tussock Moth (DFTM) is a native moth that feeds on fir and other closely related conifers. Populations increased in the southern portion of Jeffco and defoliated about 25,000 acres. The area of infestation included the range of the federally threatened Pawnee Montane Skipper which makes aerial treatment of the DFTM inadvisable. Some owners chose to treat individual trees on their property.

New Zealand Mudsnail

New Zealand Mudsnail (NZMS) is a non-native invasive snail that overtakes waterways and kills fish. It was recently found in Jeffco at Chatfield State Park.



Japanese beetle

Japanese Beetle

Japanese beetle (JB) is a non-native invasive beetle that feeds on over 300 different types of plants. Jeffco W&P initiated a trapping program in 2008-9 to document the distribution along the Front Range. Populations have been increasing in urban areas over the last few years and Japanese beetle has become a widespread garden pest.

Upcoming Challenges and Needs

Funding

As we face upcoming pest infestations and new noxious weeds we need to be able to leverage our current efforts to increase funding and provide innovative approaches to regional collaborations. To respond to the increase of List A and B noxious weed infestations and new invasive pests Jeffco will need to increase funding for staff, equipment and materials.

We estimate seasonal staffing levels need to increase by 30% to hire limited term employees to enable Jeffco W&P to meet the expanding demands.

JCOS has increased their acreage by 19% since 2002. They need to add an additional field team of 1 permanent and 5 limited term positions to be able to address the noxious weeds on their new properties and to be able to meet the requirements for managing the increased number of List A and List B noxious weeds.

Road & Bridge needs to increase their staff and upgrade their equipment in order to meet the increased number of weeds along the county's rights-of-way and properties they manage.

We will be looking at grants that could help us increase staffing and equipment to meet our current and future needs.

Un-managed County Owned Property Project

Jeffco W&P has been working with Facilities to investigate documentation for parcels owned by Jeffco that need department/division assignment. A number of these sites have noxious weeds or other pests that need to be managed.

Emerald Ash Borer

Once Emerald Ash Borer becomes established in Jeffco, a large amount of biomass will be generated when trees are removed. We will work with regional partners to develop innovative ways for dealing with the large amounts of wood and biomass that will be generated.

Appendix A - 2016 Jeffco Noxious Weed List

List A Species (25)						
State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Required	Amt. in Jeffco
A	African rue	<i>Peganum harmala</i>	No	Yes	Eradicate	None
A	Arundo (Giant reed)	<i>Arundo donax</i>	Yes	Yes	Eradicate	Small
A	Bohemian knotweed	<i>Polygonum x bohemicum</i>	Yes	Yes	Eradicate	Small
A	Camelthorn	<i>Alhagi maurorum</i>	No	Yes	Eradicate	None
A	Common crupina	<i>Crupina vulgaris</i>	No	Yes	Eradicate	None
A	Cypress spurge	<i>Euphorbia cyparissias</i>	Yes	Yes	Eradicate	Small
A	Dyer's woad	<i>Isatis tinctoria</i>	Yes	Yes	Eradicate	Small
A	Elongated mustard	<i>Brassica elongata</i>	No	Yes	Eradicate	None
A	Flowering rush	<i>Butomus umbellatus</i>	No	Yes	Eradicate	None
A	Giant knotweed	<i>Polygonum sachalinense</i>	Yes	Yes	Eradicate	Small
A	Giant salvinia	<i>Salvinia molesta</i>	No	Yes	Eradicate	None
A	Hairy willow-herb	<i>Epilobium hirsutum</i>	Yes	Yes	Eradicate	Widespread
A	Hydrilla	<i>Hydrilla verticillata</i>	No	Yes	Eradicate	None
A	Japanese knotweed	<i>Polygonum cuspidatum,</i>	Yes	Yes	Eradicate	Scattered
A	Meadow knapweed	<i>Centaurea nigrescens</i>	No	Yes	Eradicate	None
A	Mediterranean sage	<i>Salvia aethiopis</i>	No	Yes	Eradicate	None
A	Medusahead	<i>Taeniatherum caput-medusae</i>	No	Yes	Eradicate	None
A	Myrtle spurge	<i>Euphorbia myrsinites</i>	Yes	Yes	Eradicate	Widespread
A	Orange hawkweed	<i>Hieracium aurantiacum</i>	Yes	Yes	Eradicate	Widespread
A	Parrotfeather	<i>Myriophyllum aquaticum</i>	No	Yes	Eradicate	None
A	Purple loosestrife	<i>Lythrum salicaria</i>	Yes	Yes	Eradicate	Widespread
A	Rush skeletonweed	<i>Chondrilla juncea</i>	No	Yes	Eradicate	None
A	Squarrose knapweed	<i>Centaurea virgata</i>	No	Yes	Eradicate	None
A	Tansy ragwort	<i>Senecio jacobaea</i>	No	Yes	Eradicate	None
A	Yellow starthistle	<i>Centaurea solstitialis</i>	Yes	Yes	Eradicate	Small

List B Species (37)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Required	Amt. in Jeffco
BE	Absinth wormwood	<i>Artemisia absinthium</i>	No	Yes	Eradicate	None
BE	Black henbane	<i>Hyoscyamus niger</i>	No	Yes	Eradicate	Small
B	Bouncingbet	<i>Saponaria officinalis</i>	Yes	Yes	Suppress	Scattered
B E	Bull thistle	<i>Cirsium vulgare</i>	Yes	Yes	Eradicate	Scattered
B	Canada thistle	<i>Cirsium arvense</i>	Yes	Yes	Suppress	Widespread
BE	Chinese clematis	<i>Clematis orientalis</i>	Yes	Yes	Eradicate by 2020	Scattered
BE	Common tansy	<i>Tanacetum vulgare</i>	Yes	Yes	Eradicate	Scattered
B/BE	Common teasel	<i>Dipsacus fullonum</i>	Yes	Yes	Contain/Suppress	Widespread
B	Corn chamomile	<i>Anthemis arvensis</i>	No	Yes	Suppress	None
B/BE	Cutleaf teasel	<i>Dipsacus laciniatus</i>	Yes	Yes	Contain/Suppress	Widespread
B	Dalmatian toadflax, broad-leaved	<i>Linaria dalmatica</i>	Yes	Yes	Suppress	Widespread
B	Dalmatian toadflax, narrow-leaved	<i>Linaria genistifolia</i>	Yes	Yes	Suppress	Scattered
B	Dame's rocket	<i>Hesperis matronalis</i>	Yes	Yes	Suppress	Scattered
B	Diffuse knapweed	<i>Centaurea diffusa</i>	Yes	Yes	Suppress	Widespread
B	Eurasian watermilfoil	<i>Myriophyllum spicatum</i>	Yes	Yes	Suppress	Widespread
B	Hoary cress	<i>Cardaria draba</i>	Yes	Yes	Suppress	Widespread
B	Houndstongue	<i>Cynoglossum officinale</i>	Yes	Yes	Suppress	Widespread
B/BE	Jointed goatgrass	<i>Aegilops cylindrica</i>	Yes	Yes	Contain/Suppress	Scattered
B	Leafy spurge	<i>Euphorbia esula</i>	Yes	Yes	Suppress	Widespread
B	Mayweed chamomile	<i>Anthemis cotula</i>	No	Yes	Suppress	None
BE	Moth mullein	<i>Verbascum blattaria</i>	Yes	Yes	Eradicate	Small
B	Musk thistle	<i>Carduus nutans</i>	Yes	Yes	Suppress	Widespread
B	Oxeye daisy	<i>Leucanthemum vulgare</i>	Yes	Yes	Suppress	Scattered
B/BE	Perennial pepperweed	<i>Lepidium latifolium</i>	Yes	Yes	Contain/Suppress	Scattered
BE	Plumeless thistle	<i>Carduus acanthoides</i>	Yes	Yes	Eradicate	Small
BE	Russian knapweed	<i>Acroptilon repens</i>	Yes	Yes	Eradicate	Small

BE	Russian-olive	<i>Elaeagnus angustifolia</i>	Yes	Yes	Eradicate - county owned w/in 100 ft of water	Widespread
BE	Salt cedar	<i>Tamarix chinensis, T. parviflora, and T. ramosissima</i>	Yes	Yes	Eradicate	Small
B	Scentless chamomile	<i>Tripleurospermum perforata</i>	Yes	Yes	Suppress	Scattered
B	Scotch thistle	<i>Onopordum acanthium</i>	Yes	Yes	Suppress	Widespread
B	Scotch thistle	<i>Onopordum tauricum</i>	No	Yes	Suppress	None
BE	Spotted knapweed	<i>Centaurea stoebe</i>	Yes	Yes	Eradicate	Small
B	Spotted x diffuse knapweed hybrid	<i>Centaurea x psammogena = C. stoebe x C. diffusa</i>	Yes	Yes	Suppress	Scattered
B	Sulfur cinquefoil	<i>Potentilla recta</i>	Yes	Yes	Suppress	Scattered
B	Wild caraway	<i>Carum carvi</i>	Yes	Yes	Suppress	Small
B	Yellow nutsedge	<i>Cyperus esculentus</i>	No	Yes	Suppress	None
B	Yellow toadflax	<i>Linaria vulgaris</i>	Yes	Yes	Suppress	Widespread
B	Yellow x Dalmatian toadflax hybrid	<i>Linaria vulgaris x L. dalmatica</i>	Yes	Yes	Suppress	Scattered

List C Species (16)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Recommended	Amt. in Jeffco
C	Bulbous bluegrass	<i>Poa bulbosa</i>	Yes	No	Control Recommended	Widespread
C	Chicory	<i>Cichorium intybus</i>	Yes	No	Control Recommended	Widespread
C	Common burdock	<i>Arctium minus</i>	Yes	No	Control Recommended	Widespread
C	Common mullein	<i>Verbascum thapsus</i>	Yes	No	Control Recommended	Widespread
C	Common St. Johnswort	<i>Hypericum perforatum</i>	Yes	No	Control Recommended	Widespread
C	Downy brome	<i>Bromus tectorum</i>	Yes	No	Control Recommended	Widespread
C	Field bindweed	<i>Convolvulus arvensis</i>	Yes	No	Control Recommended	Widespread
C	Halogeton	<i>Halogeton glomeratus</i>	??	No	Control Recommended	Unknown
C	Johnsongrass	<i>Sorghum halepense</i>	Yes	No	Control Recommended	Scattered
C	Perennial sowthistle	<i>Sonchus arvensis</i>	Yes	No	Control Recommended	Widespread
C	Poison hemlock	<i>Conium maculatum</i>	Yes	No	Control Recommended	Widespread
C	Puncturevine	<i>Tribulus terrestris</i>	Yes	No	Control Recommended	Widespread
C	Quackgrass	<i>Elymus repens</i>	??	No	Control Recommended	Unknown
C	Redstem filaree	<i>Erodium cicutarium</i>	Yes	No	Control Recommended	Widespread

Appendix A - 2016 Jeffco Noxious Weed List

List A Species (25)						
State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Required	Amt. in Jeffco
A	African rue	<i>Peganum harmala</i>	No	Yes	Eradicate	None
A	Arundo (Giant reed)	<i>Arundo donax</i>	Yes	Yes	Eradicate	Small
A	Bohemian knotweed	<i>Polygonum x bohemicum</i>	Yes	Yes	Eradicate	Small
A	Camelthorn	<i>Alhagi maurorum</i>	No	Yes	Eradicate	None
A	Common crupina	<i>Crupina vulgaris</i>	No	Yes	Eradicate	None
A	Cypress spurge	<i>Euphorbia cyparissias</i>	Yes	Yes	Eradicate	Small
A	Dyer's woad	<i>Isatis tinctoria</i>	Yes	Yes	Eradicate	Small
A	Elongated mustard	<i>Brassica elongata</i>	No	Yes	Eradicate	None
A	Flowering rush	<i>Butomus umbellatus</i>	No	Yes	Eradicate	None
A	Giant knotweed	<i>Polygonum sachalinense</i>	Yes	Yes	Eradicate	Small
A	Giant salvinia	<i>Salvinia molesta</i>	No	Yes	Eradicate	None
A	Hairy willow-herb	<i>Epilobium hirsutum</i>	Yes	Yes	Eradicate	Widespread
A	Hydrilla	<i>Hydrilla verticillata</i>	No	Yes	Eradicate	None
A	Japanese knotweed	<i>Polygonum cuspidatum,</i>	Yes	Yes	Eradicate	Scattered
A	Meadow knapweed	<i>Centaurea nigrescens</i>	No	Yes	Eradicate	None
A	Mediterranean sage	<i>Salvia aethiopis</i>	No	Yes	Eradicate	None
A	Medusahead	<i>Taeniatherum caput-medusae</i>	No	Yes	Eradicate	None
A	Myrtle spurge	<i>Euphorbia myrsinites</i>	Yes	Yes	Eradicate	Widespread
A	Orange hawkweed	<i>Hieracium aurantiacum</i>	Yes	Yes	Eradicate	Widespread
A	Parrotfeather	<i>Myriophyllum aquaticum</i>	No	Yes	Eradicate	None
A	Purple loosestrife	<i>Lythrum salicaria</i>	Yes	Yes	Eradicate	Widespread
A	Rush skeletonweed	<i>Chondrilla juncea</i>	No	Yes	Eradicate	None
A	Squarrose knapweed	<i>Centaurea virgata</i>	No	Yes	Eradicate	None
A	Tansy ragwort	<i>Senecio jacobaea</i>	No	Yes	Eradicate	None
A	Yellow starthistle	<i>Centaurea solstitialis</i>	Yes	Yes	Eradicate	Small

List B Species (37)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Required	Amt. in Jeffco
BE	Absinth wormwood	<i>Artemisia absinthium</i>	No	Yes	Eradicate	None
BE	Black henbane	<i>Hyoscyamus niger</i>	No	Yes	Eradicate	Small
B	Bouncingbet	<i>Saponaria officinalis</i>	Yes	Yes	Suppress	Scattered
B E	Bull thistle	<i>Cirsium vulgare</i>	Yes	Yes	Eradicate	Scattered
B	Canada thistle	<i>Cirsium arvense</i>	Yes	Yes	Suppress	Widespread
BE	Chinese clematis	<i>Clematis orientalis</i>	Yes	Yes	Eradicate by 2020	Scattered
BE	Common tansy	<i>Tanacetum vulgare</i>	Yes	Yes	Eradicate	Scattered
B/BE	Common teasel	<i>Dipsacus fullonum</i>	Yes	Yes	Contain/Suppress	Widespread
B	Corn chamomile	<i>Anthemis arvensis</i>	No	Yes	Suppress	None
B/BE	Cutleaf teasel	<i>Dipsacus laciniatus</i>	Yes	Yes	Contain/Suppress	Widespread
B	Dalmatian toadflax, broad-leaved	<i>Linaria dalmatica</i>	Yes	Yes	Suppress	Widespread
B	Dalmatian toadflax, narrow-leaved	<i>Linaria genistifolia</i>	Yes	Yes	Suppress	Scattered
B	Dame's rocket	<i>Hesperis matronalis</i>	Yes	Yes	Suppress	Scattered
B	Diffuse knapweed	<i>Centaurea diffusa</i>	Yes	Yes	Suppress	Widespread
B	Eurasian watermilfoil	<i>Myriophyllum spicatum</i>	Yes	Yes	Suppress	Widespread
B	Hoary cress	<i>Cardaria draba</i>	Yes	Yes	Suppress	Widespread
B	Houndstongue	<i>Cynoglossum officinale</i>	Yes	Yes	Suppress	Widespread
B/BE	Jointed goatgrass	<i>Aegilops cylindrica</i>	Yes	Yes	Contain/Suppress	Scattered
B	Leafy spurge	<i>Euphorbia esula</i>	Yes	Yes	Suppress	Widespread
B	Mayweed chamomile	<i>Anthemis cotula</i>	No	Yes	Suppress	None
BE	Moth mullein	<i>Verbascum blattaria</i>	Yes	Yes	Eradicate	Small
B	Musk thistle	<i>Carduus nutans</i>	Yes	Yes	Suppress	Widespread
B	Oxeye daisy	<i>Leucanthemum vulgare</i>	Yes	Yes	Suppress	Scattered
B/BE	Perennial pepperweed	<i>Lepidium latifolium</i>	Yes	Yes	Contain/Suppress	Scattered
BE	Plumeless thistle	<i>Carduus acanthoides</i>	Yes	Yes	Eradicate	Small
BE	Russian knapweed	<i>Acroptilon repens</i>	Yes	Yes	Eradicate	Small

BE	Russian-olive	<i>Elaeagnus angustifolia</i>	Yes	Yes	Eradicate - county owned w/in 100 ft of water	Widespread
BE	Salt cedar	<i>Tamarix chinensis, T. parviflora, and T. ramosissima</i>	Yes	Yes	Eradicate	Small
B	Scentless chamomile	<i>Tripleurospermum perforata</i>	Yes	Yes	Suppress	Scattered
B	Scotch thistle	<i>Onopordum acanthium</i>	Yes	Yes	Suppress	Widespread
B	Scotch thistle	<i>Onopordum tauricum</i>	No	Yes	Suppress	None
BE	Spotted knapweed	<i>Centaurea stoebe</i>	Yes	Yes	Eradicate	Small
B	Spotted x diffuse knapweed hybrid	<i>Centaurea x psammogena = C. stoebe x C. diffusa</i>	Yes	Yes	Suppress	Scattered
B	Sulfur cinquefoil	<i>Potentilla recta</i>	Yes	Yes	Suppress	Scattered
B	Wild caraway	<i>Carum carvi</i>	Yes	Yes	Suppress	Small
B	Yellow nutsedge	<i>Cyperus esculentus</i>	No	Yes	Suppress	None
B	Yellow toadflax	<i>Linaria vulgaris</i>	Yes	Yes	Suppress	Widespread
B	Yellow x Dalmatian toadflax hybrid	<i>Linaria vulgaris x L. dalmatica</i>	Yes	Yes	Suppress	Scattered

List C Species (16)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Recommended	Amt. in Jeffco
C	Bulbous bluegrass	<i>Poa bulbosa</i>	Yes	No	Control Recommended	Widespread
C	Chicory	<i>Cichorium intybus</i>	Yes	No	Control Recommended	Widespread
C	Common burdock	<i>Arctium minus</i>	Yes	No	Control Recommended	Widespread
C	Common mullein	<i>Verbascum thapsus</i>	Yes	No	Control Recommended	Widespread
C	Common St. Johnswort	<i>Hypericum perforatum</i>	Yes	No	Control Recommended	Widespread
C	Downy brome	<i>Bromus tectorum</i>	Yes	No	Control Recommended	Widespread
C	Field bindweed	<i>Convolvulus arvensis</i>	Yes	No	Control Recommended	Widespread
C	Halogeton	<i>Halogeton glomeratus</i>	??	No	Control Recommended	Unknown
C	Johnsongrass	<i>Sorghum halepense</i>	Yes	No	Control Recommended	Scattered
C	Perennial sowthistle	<i>Sonchus arvensis</i>	Yes	No	Control Recommended	Widespread
C	Poison hemlock	<i>Conium maculatum</i>	Yes	No	Control Recommended	Widespread
C	Puncturevine	<i>Tribulus terrestris</i>	Yes	No	Control Recommended	Widespread
C	Quackgrass	<i>Elymus repens</i>	??	No	Control Recommended	Unknown
C	Redstem filaree	<i>Erodium cicutarium</i>	Yes	No	Control Recommended	Widespread

C	Velvetleaf	<i>Abutilon theophrasti</i>	??	No	Control Recommended	Unknown
C	Wild proso millet	<i>Panicum miliaceum</i>	??	No	Control Recommended	Unknown

Watch List Species (24)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Recommended	Amt. in Jeffco
W	Asian mustard	<i>Brassica tournefortii</i>	No	No	Control Recommended	None
W	Baby's breath	<i>Gypsophila paniculata</i>	Yes	No	Control Recommended	Scattered
W	Bathurst burr, Spiney cocklebur	<i>Xanthium spinosum</i>	No	No	Control Recommended	None
W	Brazilian egeria, Brazilian elodea	<i>Egeria densa</i>	No	No	Control Recommended	None
W	Common bugloss	<i>Anchusa officinalis</i>	No	No	Control Recommended	None
W	Common reed	<i>Phragmites australis</i>	No	No	Control Recommended	Scattered
W	Garden Loosestrife	<i>Lysimachia vulgaris</i>	No	No	Control Recommended	None
W	Garlic mustard	<i>Alliaria petiolata</i>	Yes	No	Eradication Recommended	Small
W	Himalayan blackberry	<i>Rubus armeniacus</i>	No	No	Control Recommended	None
W	Japanese blood grass/cogongrass	<i>Imperata cylindrica</i>	No	No	Control Recommended	None
W	Meadow hawkweed	<i>Hieracium caespitosum</i>	No	No	Control Recommended	None
W	Onionweed	<i>Asphodelus fistulosus</i>	No	No	Control Recommended	None
W	Purple pampas grass	<i>Cortaderia jubata</i>	Yes	No	Control Recommended	Widespread
W	Scotch broom	<i>Cytisus scoparius</i>	Yes	No	Control Recommended	Small
W	Sericea lespedeza	<i>Lespedeza cuneata</i>	No	No	Control Recommended	None
W	Swainsonpea	<i>Sphaerophysa salsula</i>	Yes	No	Eradication Recommended	Small
W	Syrian beancaper	<i>Zygophyllum fabago</i>	No	No	Control Recommended	None
W	Water hyacinth	<i>Eichhornia crassipes</i>	No	No	Control Recommended	None
W	Water lettuce	<i>Pistia stratiotes</i>	No	No	Control Recommended	None
W	White bryony	<i>Bryonia alba</i>	No	No	Control Recommended	None
W	Woolly distaff thistle	<i>Carthamus lanatus</i>	No	No	Control Recommended	None
W	Yellow flag iris	<i>Iris pseudacorus</i>	Yes	No	Eradication Recommended	Small
W	Yellow floatingheart	<i>Nymphoides peltata</i>	No	No	Control Recommended	None
W	Yellowtuft	<i>Alyssum murale, A. corsicum</i>	No	No	Control Recommended	None

C	Velvetleaf	<i>Abutilon theophrasti</i>	??	No	Control Recommended	Unknown
C	Wild proso millet	<i>Panicum miliaceum</i>	??	No	Control Recommended	Unknown

Watch List Species (24)

State List	Common Name	Scientific Name	Known in Jeffco	Jeffco List	Level of Control Recommended	Amt. in Jeffco
W	Asian mustard	<i>Brassica tournefortii</i>	No	No	Control Recommended	None
W	Baby's breath	<i>Gypsophila paniculata</i>	Yes	No	Control Recommended	Scattered
W	Bathurst burr, Spiney cocklebur	<i>Xanthium spinosum</i>	No	No	Control Recommended	None
W	Brazilian egeria, Brazilian elodea	<i>Egeria densa</i>	No	No	Control Recommended	None
W	Common bugloss	<i>Anchusa officinalis</i>	No	No	Control Recommended	None
W	Common reed	<i>Phragmites australis</i>	No	No	Control Recommended	Scattered
W	Garden Loosestrife	<i>Lysimachia vulgaris</i>	No	No	Control Recommended	None
W	Garlic mustard	<i>Alliaria petiolata</i>	Yes	No	Eradication Recommended	Small
W	Himalayan blackberry	<i>Rubus armeniacus</i>	No	No	Control Recommended	None
W	Japanese blood grass/cogongrass	<i>Imperata cylindrica</i>	No	No	Control Recommended	None
W	Meadow hawkweed	<i>Hieracium caespitosum</i>	No	No	Control Recommended	None
W	Onionweed	<i>Asphodelus fistulosus</i>	No	No	Control Recommended	None
W	Purple pampas grass	<i>Cortaderia jubata</i>	Yes	No	Control Recommended	Widespread
W	Scotch broom	<i>Cytisus scoparius</i>	Yes	No	Control Recommended	Small
W	Sericea lespedeza	<i>Lespedeza cuneata</i>	No	No	Control Recommended	None
W	Swainsonpea	<i>Sphaerophysa salsula</i>	Yes	No	Eradication Recommended	Small
W	Syrian beancaper	<i>Zygophyllum fabago</i>	No	No	Control Recommended	None
W	Water hyacinth	<i>Eichhornia crassipes</i>	No	No	Control Recommended	None
W	Water lettuce	<i>Pistia stratiotes</i>	No	No	Control Recommended	None
W	White bryony	<i>Bryonia alba</i>	No	No	Control Recommended	None
W	Woolly distaff thistle	<i>Carthamus lanatus</i>	No	No	Control Recommended	None
W	Yellow flag iris	<i>Iris pseudacorus</i>	Yes	No	Eradication Recommended	Small
W	Yellow floatingheart	<i>Nymphoides peltata</i>	No	No	Control Recommended	None
W	Yellowtuft	<i>Alyssum murale, A. corsicum</i>	No	No	Control Recommended	None

Appendix B

Enforcement - Jefferson County Noxious Weed Plan

Enforcement

Although compliance through cooperation is the preferred approach to noxious weed management, enforcement of the Noxious Weed Act will sometimes be necessary. Private and non-federal public lands and rights-of-way are subject to enforcement.

Objective: To provide a method for enforcement of the Act.

Action: The Weed and Pest Management Specialist may respond to official complaints concerning noxious weeds on private and public lands. Enforcement will follow the procedure identified in the Noxious Weed Management Act, CRS 35-5.5-108.5 through 110.

Action: The Weed and Pest Management Specialist may undertake enforcement action concerning noxious weeds on private and public lands. Enforcement will follow the procedures identified in the Noxious Weed Management Act, CRS 35-5.5-108.5 through 110.

Action: The Advisory Board, through staff, may identify properties of concern and require that the property owner, operator, or lessee submit a Noxious Weed Management Plan (NWMP). The Advisory Board has the right to accept, reject, or modify any plan submitted.



2015



Population of Jefferson County



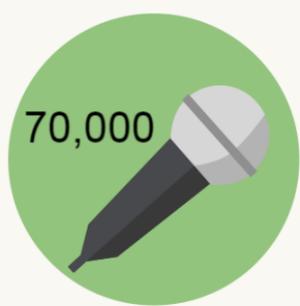
Square Miles in Jefferson County



Properties in Unincorporated Jeffco



Managed Acres
1,074 Treated Acres
Jeffco Open Space



Media and Website
Contacts
Jeffco Weed & Pest



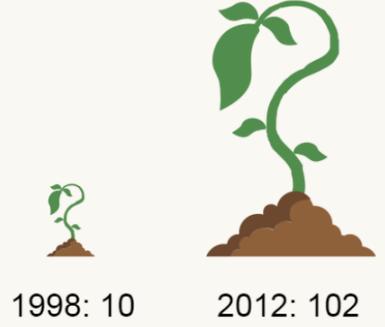
Road R-O-W
Lane Miles



Educational Contacts
Jeffco Weed & Pest

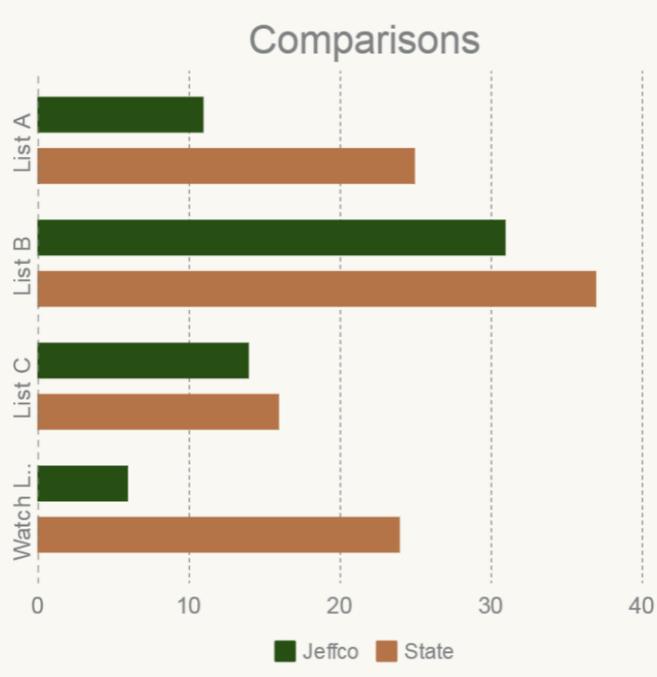


Enforcement Actions
Jeffco Weed & Pest



Year Comparison:
Noxious Weeds on State List

Noxious Weeds



10 of 31 Jeffco List B are BErad

State Total: 102
Jeffco Total: 62

Provided by:



Weed & Pest Update October 11, 2016



Weed & Pest Update

Noxious Weeds

- What They Are



Dame's rocket – List B

Noxious Weeds

- What They Are Not



Poison Ivy – Native



Curlycup Gumweed – Native



Kochia – Non-Native

Noxious Weeds

- Where They Come From



Myrtle spurge – List A

Noxious Weeds

- Impacts



Noxious Weeds

- Why they are important to control, manage and eradicate



Laws & Regs

- Pest Control Act
- Noxious Weed Act
 - IPM
- Pesticide Applicator Act
- Other
 - State & Federal



Scotch thistle – List B

IPM

- Biological
- Chemical
- Cultural
- Mechanical



Noxious Weeds

- County Requirements



Purple loosestrife – List A

Enforcement Procedure

- County Policy
 - 2014 Nox Weed Management Plan Update
- Noxious Weed Act



Musk thistle – List B

The State of Jefferson County

- Number of Weeds
 - 1998 – 10
 - 2016 – 102
- Weed List Changes
 - Prioritized weed list
 - In Jeffco
 - 11 List A
 - 31 List B
 - 14 List C
 - 6 Watch List



Myrtle spurge – List A

The State of Jefferson County

- Lands Affected
 - Private
 - Public
 - Rights-of-Way



Common mullein – List C

Jeffco's Programs

- Weed & Pest
 - Technical Expert
 - Public Education
 - Cooperative Projects
 - Grants

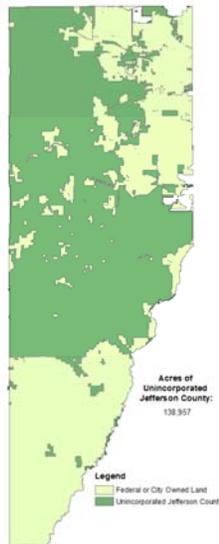


Orange hawkweed – List A

Jeffco's Programs

- Weed & Pest
 - Pest Inspector
 - Enforcement
 - Noxious Weed Control Act within unincorporated Jefferson County
 - Pest Control Act within Jefferson County

Unincorporated Jefferson County
Noxious Weed Map



Jefferson County
Pest Map



Jeffco's Programs

- Weed & Pest Highlights
 - Grants
 - Cost Share
 - Partnerships
 - Volunteer Projects



Sulfur cinquefoil – List B

Jeffco's Programs

- Road & Bridge
- Other (Fairgrounds, T&E, Facilities)



Jeffco's Programs

- Open Space
 - Acreage
 - 45,099 acres
 - Increased 7,000 acres since 2002 or 19%
 - Weeds
 - 4 - List A
 - 10 - List B-Erad
 - 18 - List B
 - 12 - List C
 - 2 - Watch list
- Staffing



Jeffco's Programs

- Open Space Highlights
 - Collaboration
 - Volunteer Projects



Challenges

- Compliance
- New Weeds



Rush skeletonweed – List A

Upcoming Issues

- New Pests
 - Emerald Ash Borer
 - Douglas Fir Tussock Moth



5473689
Emerald Ash Borer

Future Needs

- Staff



Future Needs

- Equipment & Supplies



Next Steps

- Weed & Pest
 - EAB Regional Collaboration
 - Hairy Willowherb Eradication



Hairy willowherb – List A

Next Steps

- Jeffco Open Space
 - Volunteer Projects
 - Prescribed Burns



Questions?



Teasel – List B Erad

*No Fee
No Fee*

Commissioner Clement
be adopted:

moved that the following Resolution

BEFORE THE BOARD OF COUNTY COMMISSIONERS
OF THE COUNTY OF JEFFERSON
STATE OF COLORADO

*1-17
1-17*

RESOLUTION NO. CC82-381

RE: Platting Exemption for Martin Marietta Aerospace, Case No.
E 40-5-82

WHEREAS, Martin Marietta Aerospace has requested a general exemption from platting for its property located in southeast Jefferson County, more particularly described on Exhibit "A" attached hereto; and

WHEREAS, due to the unique nature of this facility and the isolation of the property from other developments within the County, the Board of County Commissioners decided to consider this request; and

WHEREAS, after such consideration, it is apparent that this facility is one which has limited public access due to the national security limitations imposed; and

WHEREAS, development of the property will not have major visual or other impacts upon surrounding land uses and developments due to its remote and hidden location; and

WHEREAS, the property includes large areas of buffer between the area being developed and surrounding properties; and

WHEREAS, based upon the foregoing considerations, this Board finds it in the best interest of the health, safety, welfare, convenience, order and prosperity of the citizens of Jefferson County to waive the County regulatory policies concerning platting exemptions, Section 5.3 of the Jefferson County Organization/Policy/Procedures Manual and to grant the requested platting exemption for the property described on Exhibit "A" attached hereto.

NOW, THEREFORE, BE IT RESOLVED that the Jefferson County Platting Exemption Policy, Section 5.3 of the Jefferson County Organizational/Policy/Procedures Manual be and hereby is waived and a platting exemption pursuant to Section 30-28-101(10)(d), C.R.S. 1973, as amended, and Section 1.3.3. of Part I of the Jefferson County Land Development Regulation be and hereby is granted for the property described on the attached Exhibit "A", subject to the following conditions:

1. All developments shall conform to the requirements of the Jefferson County Zoning Resolution.
2. All structures shall be constructed in conformance with the Jefferson County Building Code, including compliance with the Jefferson County Building Permit procedures for issuance of building permits and with performance of final inspections and issuance of Certificates of Occupancy prior to use of said structures.

82051038

82050197

2
2

Commissioner Tomsic seconded the adoption of the foregoing Resolution. The roll having been called, the vote was as follows:

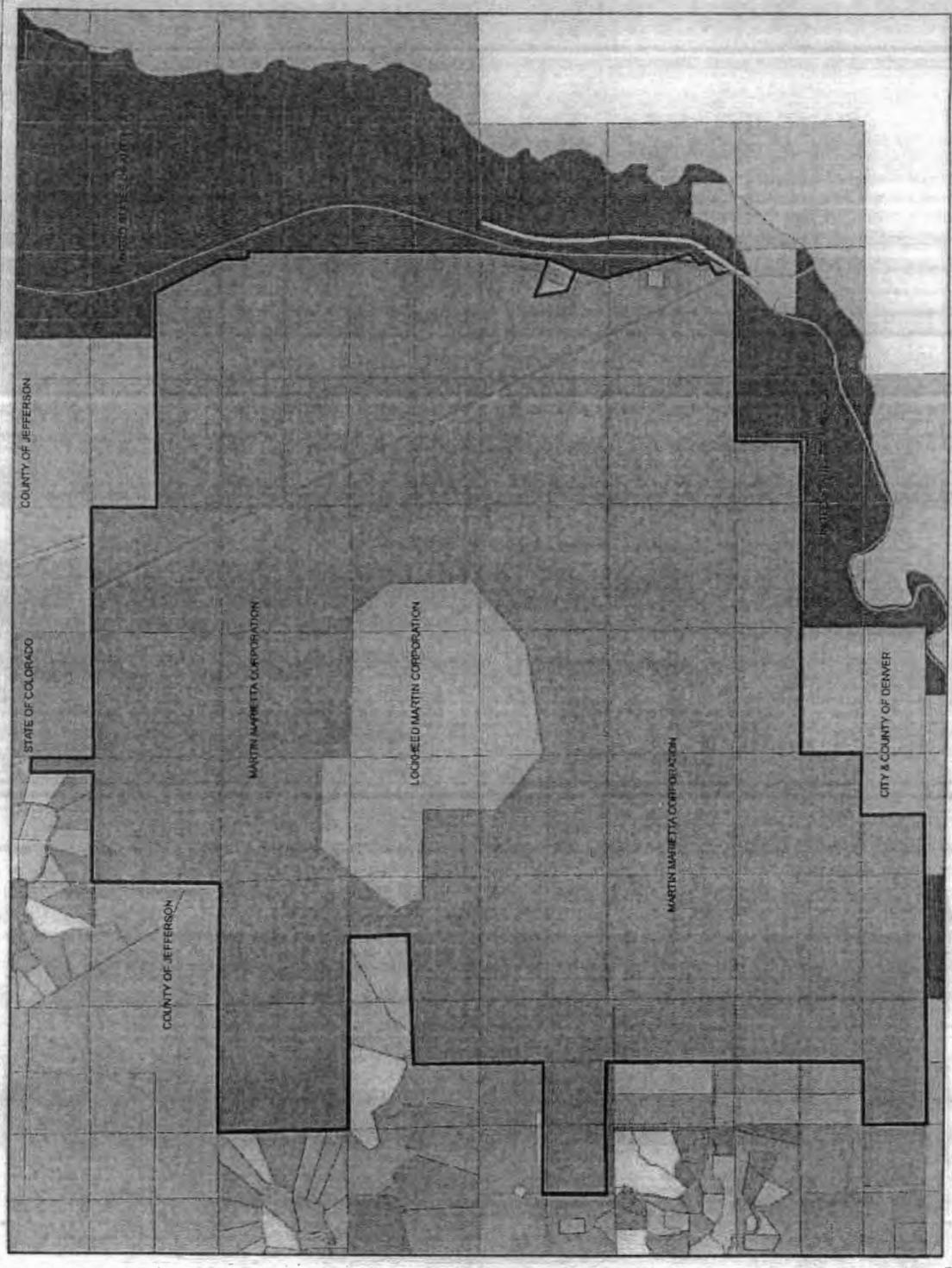
Commissioner Marjorie E. Clement	- "Aye";
Commissioner James E. Martin	- "Absent";
Commissioner Walt Tomsic, Chairman	- "Aye";

The Resolution was adopted by majority vote of the Board of County Commissioners of the County of Jefferson, State of Colorado.

DATED: July 13, 1982

Legend

- Zoning Line
- E40-5-82



2006 Photography