



# ***Joint Land Use Study Community Survey***

**U.S. AIR FORCE**

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## **Westover Air Reserve Base**

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# ***Joint Land Use Study Community Survey***

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- Over 300 Responses
- 25 questions focusing on Westover economic effect on area, familiarity with mission, zoning, WMDC (Westover Municipal Development Corporation) operations.
  
- Far Reaching Response
  - Chicopee,
  - South Hadley,
  - Granby,
  - Ludlow,
  - Springfield,
  - Holyoke
  - Across the Pioneer Valley (Amherst, Belchertown, Easthampton)
  
- Generally Positive Reviews of Westover operations.
  - Positive economic effect on community FY2017 \$212m generated
  - Jobs
  - Safety
  - Political importance for area
  - Generally good compatibility between base and local area.



# ***Joint Land Use Study Community Survey***

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## Subject Matter Breakdown

Questions 1-8 Local familiarity of WARB (Westover Air Reserve Base) and base mission

Questions 8-15 WARB surroundings. Local impressions and land use

Questions 16-20 WMDC local impressions, 24 hour operations.

Questions 20-25 Discuss Joint Land Use Study

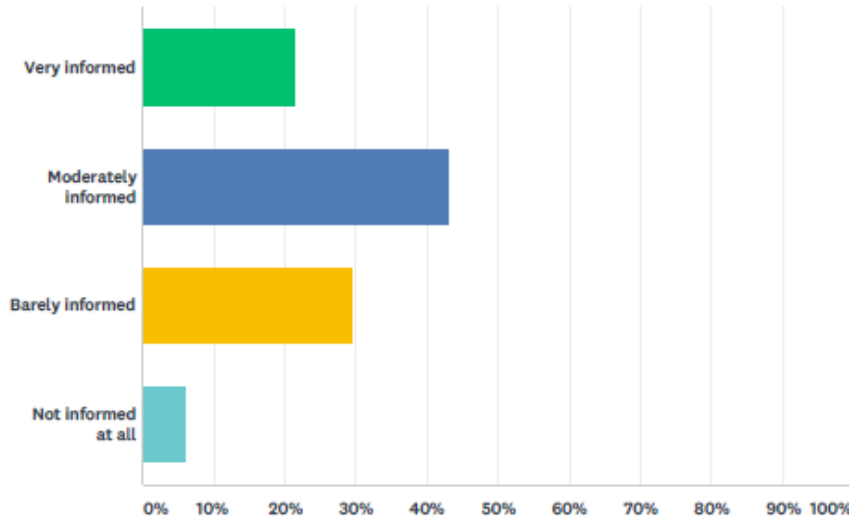


# Joint Land Use Study Community Survey

**U.S. AIR FORCE**

Q1 How informed are you of the activities at Westover Air Reserve Base?

Answered: 234 Skipped: 1



ANSWER CHOICES	RESPONSES	
Very informed	21.37%	50
Moderately informed	43.16%	101
Barely informed	29.49%	69
Not informed at all	5.98%	14
TOTAL		234

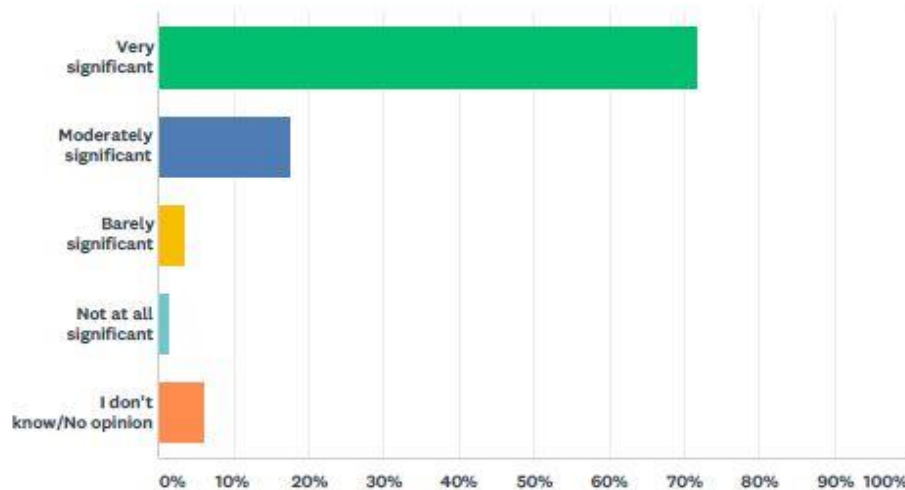


# Joint Land Use Study Community Survey

U.S. AIR FORCE

Q3 How significant is WARB and its operations to the local economy?

Answered: 233 Skipped: 2



ANSWER CHOICES	RESPONSES	
Very significant	71.67%	167
Moderately significant	17.60%	41
Barely significant	3.43%	8
Not at all significant	1.29%	3
I don't know/No opinion	6.01%	14
TOTAL		233

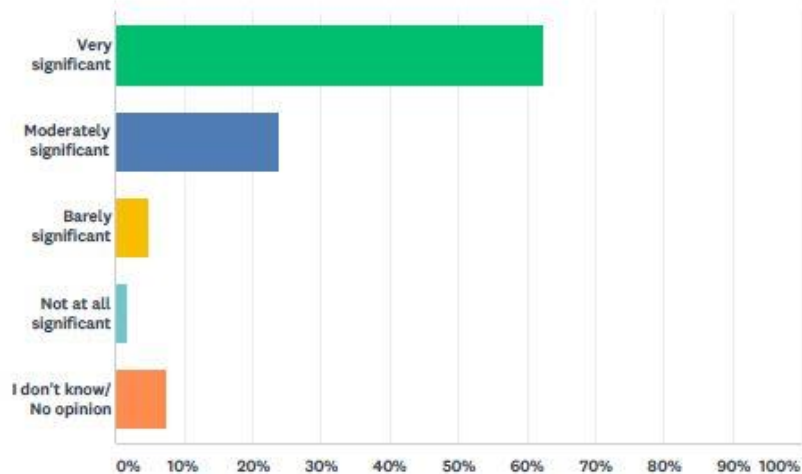


# Joint Land Use Study Community Survey

**U.S. AIR FORCE**

Q4 How significant is WARB and its operations to the regional economy?

Answered: 234 Skipped: 1



ANSWER CHOICES	RESPONSES	
Very significant	62.39%	146
Moderately significant	23.93%	56
Barely significant	4.70%	11
Not at all significant	1.71%	4
I don't know/ No opinion	7.26%	17
TOTAL		234

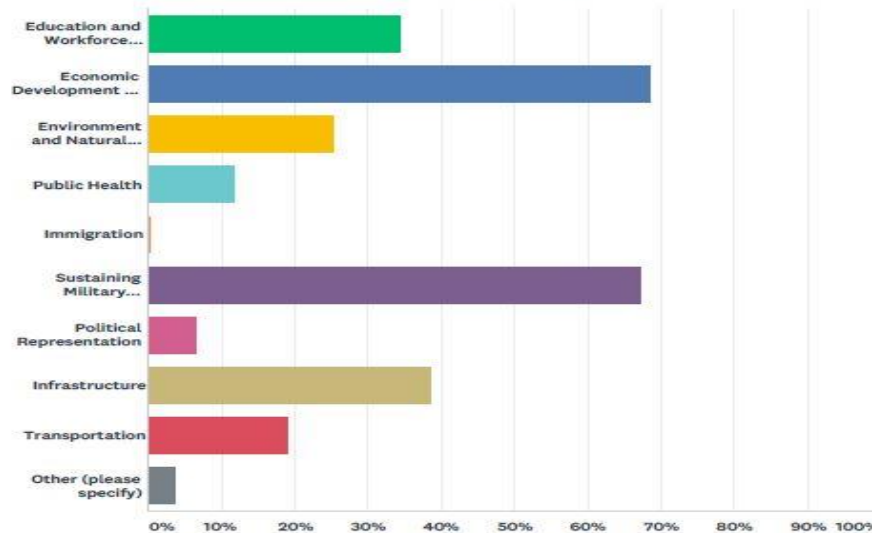


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Q5 Which of the following do you see as the most important issue(s) to communities adjacent to Westover? Please rank your top 3:

Answered: 230 Skipped: 5



ANSWER CHOICES	RESPONSES	
Education and Workforce Training	34.35%	79
Economic Development and Job Creation	68.70%	158
Environment and Natural Resources	25.22%	58
Public Health	11.74%	27
Immigration	0.43%	1
Sustaining Military Operations	67.39%	155
Political Representation	6.52%	15
Infrastructure	38.70%	89
Transportation	19.13%	44
Other (please specify)	3.48%	8

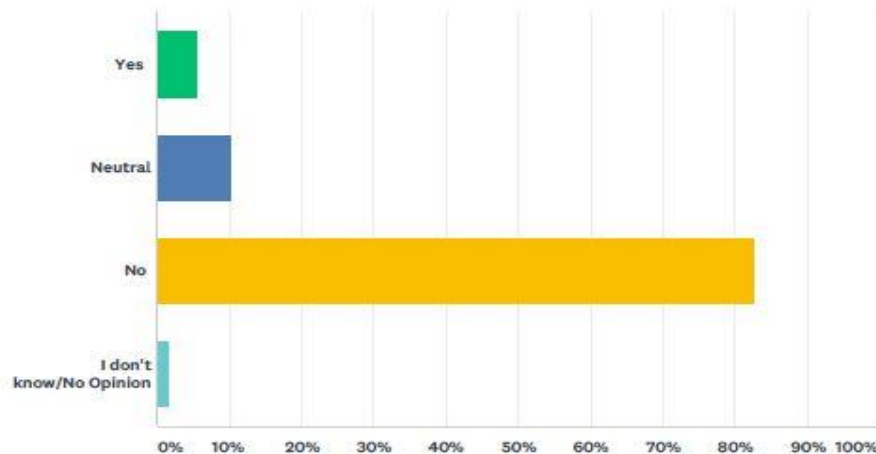


# Joint Land Use Study Community Survey

U.S. AIR FORCE

Q6 Do you consider military operations at Westover to have negative effects?

Answered: 235 Skipped: 0



ANSWER CHOICES		RESPONSES	
Yes		5.53%	13
Neutral		10.21%	24
No		82.55%	194
I don't know/No Opinion		1.70%	4
TOTAL			235



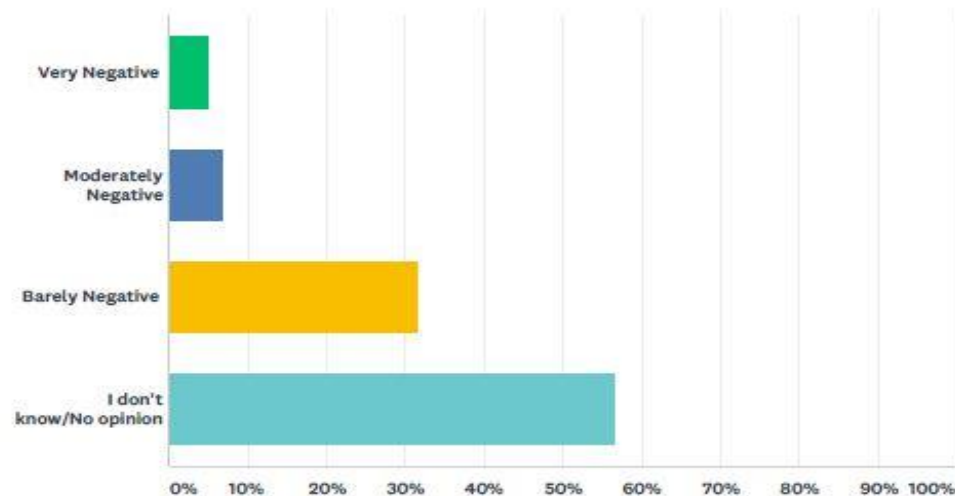


# Joint Land Use Study Community Survey

U.S. AIR FORCE

Q7 If yes, how negative do you consider the effects of military operations to be?

Answered: 60 Skipped: 175



ANSWER CHOICES	RESPONSES	
Very Negative	5.00%	3
Moderately Negative	6.67%	4
Barely Negative	31.67%	19
I don't know/No opinion	56.67%	34
TOTAL		60



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Q8 If you perceive positive effects from operations at Westover, please list them:

Answered: 171 Skipped: 151

#	RESPONSES	DATE
1	Economic rewards	10/23/2017 8:27 AM
2	Community Economics, community pride, community involvement	10/19/2017 10:09 PM
3	Feel safe with the base in my area.	10/16/2017 6:11 PM
4	Westover provides employment to both reservists and local civilians in the Chicopee area.	10/11/2017 9:01 AM
5	economic growth, employment	10/10/2017 3:41 AM
6	I love the military presence	10/8/2017 12:26 PM
7	Business \$\$\$\$ to the city; Employment of city's citizens and the surrounding communities; POLITICAL representation in D.C.	10/8/2017 9:34 AM
8	They bring money into the area.	10/7/2017 1:15 PM
9	I love having a military presence nearby. I appreciate all the military does.	10/6/2017 7:20 AM
10	Economic	10/5/2017 7:27 PM
11	Jobs	10/5/2017 7:08 PM
12	Aircraft are fascinating, so we enjoy watching them fly by the house.	10/5/2017 7:01 PM
13	Excellence & on-going training to preserve our peace efforts. The sounds & seeing aircraft are comforting.	10/5/2017 6:47 PM



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## Q9 What is your impression of the relationship between WARB and surrounding:

Answered: 235 Skipped: 0

	VERY POSITIVE	POSITIVE	NEUTRAL	NEGATIVE	VERY NEGATIVE	I DON'T KNOW/ NO OPINION	TOTAL
Landowners	28.63% 67	41.03% 96	17.09% 40	3.85% 9	0.85% 2	8.55% 20	234
Businesses	50.22% 115	34.50% 79	7.42% 17	0.87% 2	0.87% 2	6.11% 14	229
Residential Neighborhoods	28.14% 65	38.53% 89	19.05% 44	7.36% 17	1.73% 4	5.19% 12	231
Local Governments	47.39% 109	34.35% 79	8.26% 19	0.87% 2	1.30% 3	7.83% 18	230

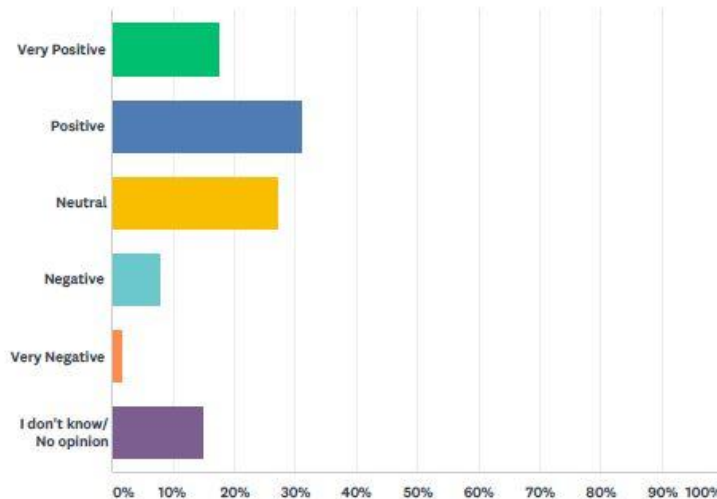


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**U.S. AIR FORCE**

Q10 What is your impression of the impact of WARB on local real estate values?

Answered: 235 Skipped: 0



ANSWER CHOICES	RESPONSES	
Very Positive	17.45%	41
Positive	31.06%	73
Neutral	27.23%	64
Negative	7.66%	18
Very Negative	1.70%	4
I don't know/ No opinion	14.89%	35
TOTAL		235



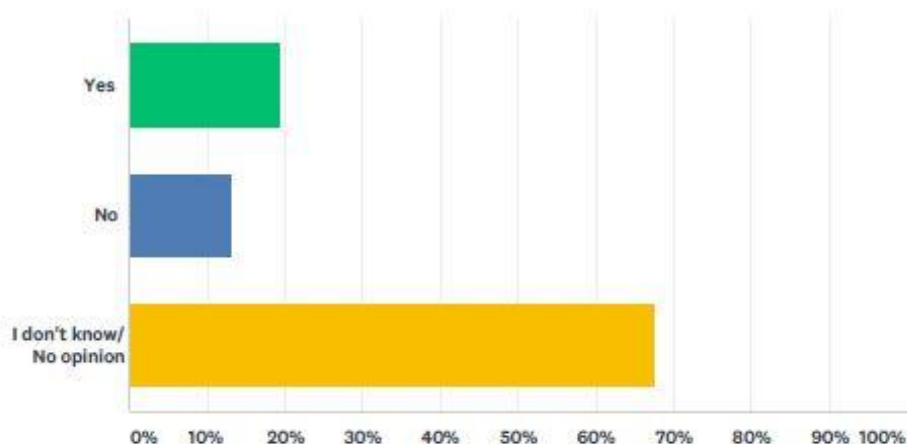
# Joint Land Use Study Community Survey

U.S. AIR FORCE

Westover ARB Joint Land Use Study Community Questionnaire

## Q11 Does WARB have an impact on local zoning regulations?

Answered: 235 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	19.15%	45
No	13.19%	31
I don't know/ No opinion	67.66%	159
TOTAL		235



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# ***Joint Land Use Study Community Survey***

Westover ARB Joint Land Use Study Community Questionnaire

Q12 If yes, what do you believe these impacts to be?

Answered: 49   Skipped: 273

#	RESPONSES	DATE
1	How close you can build and what type of building near the base,	10/7/2017 1:15 PM
2	RESTRICTS NEARBY USE OF LAND	9/30/2017 7:45 PM
3	Development restrictions	9/29/2017 6:37 PM
4	N/A	9/29/2017 8:19 AM
5	What about negative impacts....NOISE of PLANES very bad for real estate	9/28/2017 9:09 PM
6	Vacant land around the base	9/28/2017 3:46 PM
7	can't build in crash zones.....it makes perfect sense	9/27/2017 11:33 AM
8	but they are ignored: i.e., S.Hadley built an elementary school in its flight path	9/25/2017 8:35 PM
9	Air compatibility zones	9/11/2017 5:52 PM
10	Creating development in possible failure areas	9/6/2017 2:43 PM
11	crash zones	9/6/2017 11:05 AM
12	Flight path; noise	9/6/2017 4:25 AM
13	Traffic	9/5/2017 8:17 PM





# ***Joint Land Use Study Community Survey***

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16	Runway area restrictions	9/4/2017 8:07 AM
17	land usage on the base and surrounding areas	9/3/2017 6:56 PM
18	It was sad that so much of granby was lost to noise pollution program.. totally unnecessary and hurt the tax base badly	9/3/2017 2:54 PM
19	Where one can build a house that won't affect the operations at Westover.	9/3/2017 11:47 AM
20	Local safety-environmental impact	9/3/2017 11:20 AM
21	Safety, why put homes and business's in harms way	9/3/2017 10:11 AM
22	not being able to build in flight path areas	9/3/2017 9:52 AM
23	land development due to safety concerns	9/3/2017 9:48 AM
24	Abutting conservation land- building in low fly zones	9/2/2017 9:12 AM
25	See ludlow town bylaws	9/1/2017 9:57 PM
26	Cannot expand housing.	9/1/2017 4:24 PM
27	No high population buildings are allowed proxamal to the runways	9/1/2017 4:02 PM
28	housing restrictions in flight path	9/1/2017 1:54 PM
29	Needed restrictions on land use in flight paths.	9/1/2017 1:23 PM
30	Restrictions on surrounding land use.	9/1/2017 10:35 AM
31	appropriate business capacity control	9/1/2017 9:50 AM
32	Zoning must keep large numbers of people out of harm's way in Accident Potential Zones	9/1/2017 9:37 AM
33	Height restrictions on towers etc. close to the base.	9/1/2017 9:13 AM
34	AICUZ related restrictions.	9/1/2017 8:34 AM



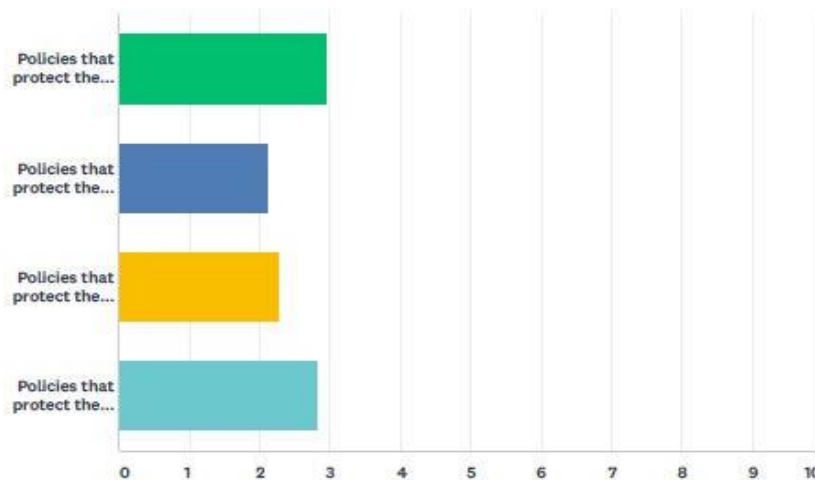
# Joint Land Use Study Community Survey

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Westover ARB Joint Land Use Study Community Questionnaire

Q13 What do you feel should be prioritized around WARB for land use zoning? Please rank in order of importance:

Answered: 224 Skipped: 11



	1	2	3	4	N/A	TOTAL	SCORE
Policies that protect the interests of residential zones	39.15% 83	20.28% 43	24.53% 52	10.38% 22	5.66% 12	212	2.94
Policies that protect the interests of open space	10.28% 22	28.04% 60	17.29% 37	38.32% 82	6.07% 13	214	2.11
Policies that protect the interests of local businesses	6.64% 14	29.38% 62	38.86% 82	18.96% 40	6.16% 13	211	2.25
Policies that protect the interests of the WARB	41.10% 90	17.81% 39	14.16% 31	21.46% 47	5.48% 12	219	2.83





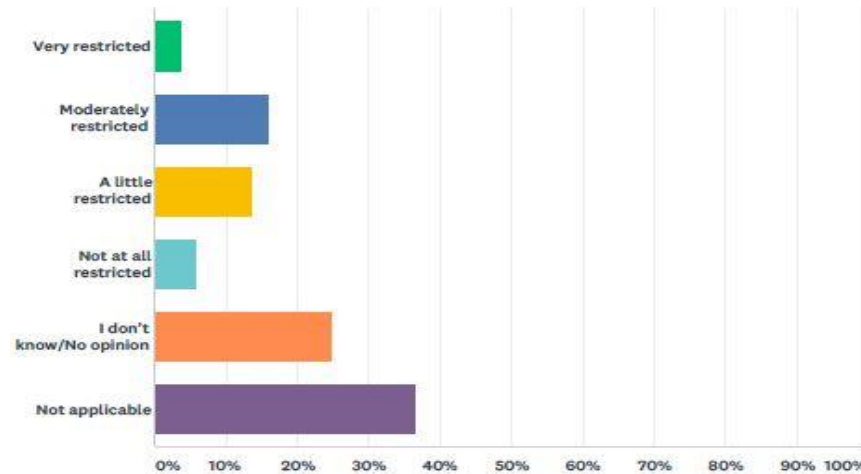
# Joint Land Use Study Community Survey

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Westover ARB Joint Land Use Study Community Questionnaire

Q14 If you are a landowner or developer, to what degree do you think zoning in the vicinity of the WARB is restricted:

Answered: 227 Skipped: 8



ANSWER CHOICES	RESPONSES	
Very restricted	3.52%	8
Moderately restricted	15.86%	36
A little restricted	13.66%	31
Not at all restricted	5.73%	13
I don't know/No opinion	24.67%	56
Not applicable	36.56%	83
TOTAL		227



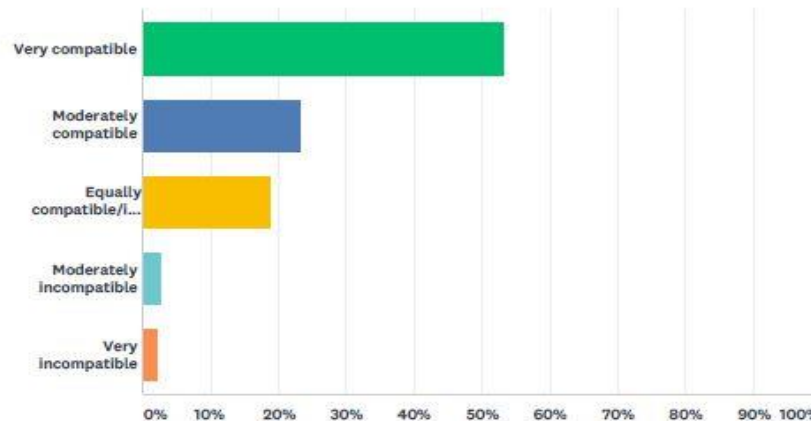
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Westover ARB Joint Land Use Study Community Questionnaire

Q15 How compatible is WARB and its ongoing operations with the surrounding community?

Answered: 233 Skipped: 2



ANSWER CHOICES	RESPONSES	
Very compatible	53.22%	124
Moderately compatible	23.18%	54
Equally compatible/I...	18.88%	44
Moderately incompatible	2.58%	6
Very incompatible	2.15%	5
TOTAL		233



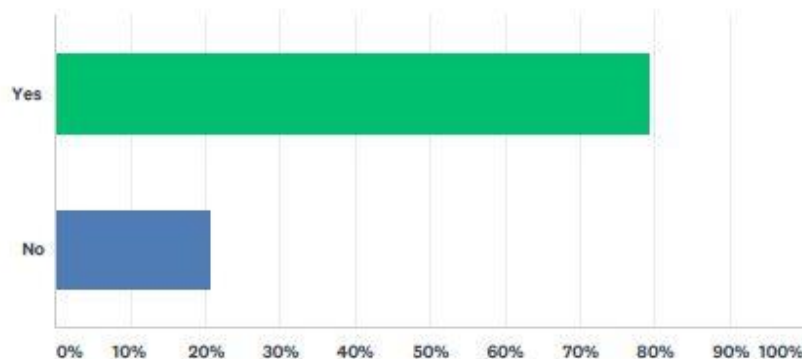
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Westover ARB Joint Land Use Study Community Questionnaire

Q16 Are you aware that there are civilian aircraft operations at Westover, handled by a not-for-profit Westover Metropolitan Development Corporation (WMDC) these services include; charter flights to Atlantic City, business and general aviation aircraft handling. Also home to the Massachusetts State Police Air Wing?

Answered: 232 Skipped: 3



ANSWER CHOICES	RESPONSES	
Yes	79.31%	184
No	20.69%	48
TOTAL		232



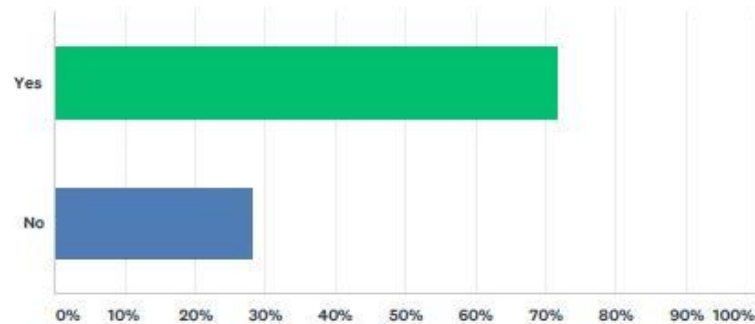
# Joint Land Use Study Community Survey

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Westover ARB Joint Land Use Study Community Questionnaire

Q17 Are you aware that WMDC is responsible for mitigating noise impacts eligible under the FAA Noise Program in the adjacent communities to Westover? (Recent investments were in excess of \$28mil purchasing 55 properties, 218 acres and relocating the families whom voluntarily moved.)

Answered: 233 Skipped: 2



ANSWER CHOICES	RESPONSES	
Yes	71.67%	167
No	28.33%	66
TOTAL		233

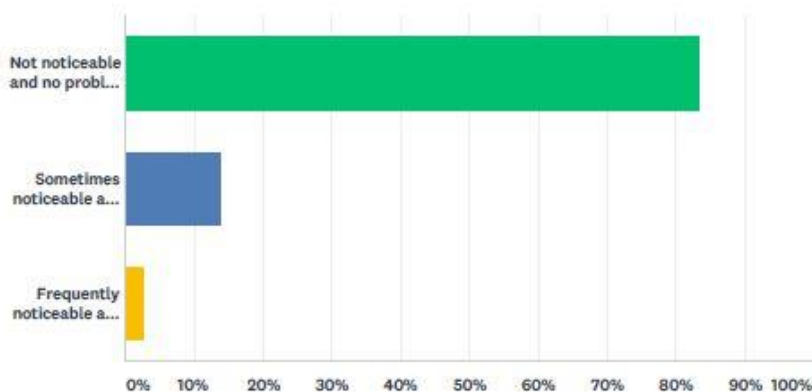


# Joint Land Use Study Community Survey

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Q18 Do you consider civilian operations at Westover Air Reserve Base such as airplane landings and take offs to be:

Answered: 231 Skipped: 4



ANSWER CHOICES	RESPONSES	
Not noticeable and no problem at all	83.55%	193
Sometimes noticeable and of annoyance	13.85%	32
Frequently noticeable and a significant hindrance	2.60%	6
TOTAL		231



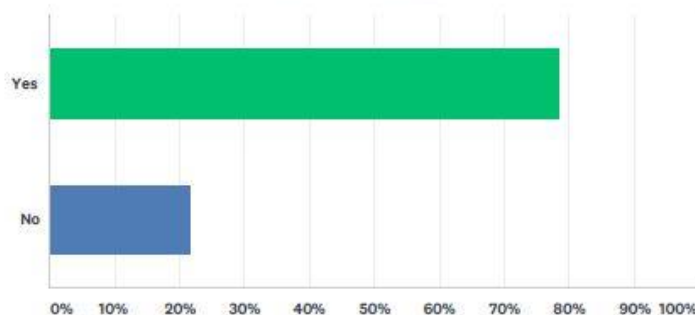
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Westover ARB Joint Land Use Study Community Questionnaire

Q19 According to WMDC, the civilian aircraft operations at Westover Air Reserve Base generate approximately 155 direct/indirect jobs with an economic output of approximately \$22M per year. An opportunity exists for WMDC to increase economic activity and output by allowing limited (6-8 flights) aircraft operations between the hours of 11:00PM and 7:00AM. Would you be comfortable with WMDC pursuing this opportunity?

Answered: 233 Skipped: 2



ANSWER CHOICES	RESPONSES	
Yes	78.54%	183
No	21.46%	50
TOTAL		233





# Joint Land Use Study Community Survey

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Q20 What are the most important aspects of this JLUS process? Rank in order of importance

	1	2	3	4	5	6	7	TOTAL	SCORE
Public education and information	19.33% 29	18.67% 28	14.00% 21	14.00% 21	12.00% 18	21.33% 32	0.67% 1	150	4.53
Developing partnerships with local stakeholders	5.96% 9	15.89% 24	18.54% 28	14.57% 22	24.50% 37	18.54% 28	1.99% 3	151	4.01
Identifying compatibility concerns	14.86% 22	18.92% 28	22.30% 33	23.65% 35	13.51% 20	6.08% 9	0.68% 1	148	4.77
Developing strategies to mitigate compatibility concerns	4.05% 6	15.54% 23	25.68% 38	26.35% 39	16.22% 24	10.14% 15	2.03% 3	148	4.26
Advancing economic development efforts	8.84% 13	25.17% 37	12.93% 19	14.29% 21	16.33% 24	20.41% 30	2.04% 3	147	4.27
Ensuring ongoing military operations at WARB	53.16% 84	12.66% 20	9.49% 15	4.43% 7	6.96% 11	9.49% 15	3.80% 6	158	5.57
I don't know/No opinion	31.52% 29	0.00% 0	2.17% 2	1.09% 1	3.26% 3	2.17% 2	59.78% 55	92	3.10



# ***Joint Land Use Study Community Survey***

**U.S. AIR FORCE**

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Q21 Please list the 3 issues that you consider to be **most important**  
for the JLUS to address:

Answered: 112 Skipped: 210

- Improving local economic activity
- Noise (multiple respondents)
- Expanding military operations
- Working with local bordering communities to mitigate any compatibility concerns
- Safety
- Defense
- Jobs
- Ensuring ongoing military operations
- Expansion of Air Force mission
- Protection of adjacent residential property values
- Environmental protection
- Building economic development opportunities
  
- LESS RESTRICTION ON LAND USE
- Developing partnership
- Developing outreach programs that bring WARB & local residents together
- Expansion of civilian use
- Vehicle traffic
- Better communication between base and local government





# ***Joint Land Use Study Community Survey***

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Q22 Please add any other comments that you wish to share with the JLUS planning team:

Answered: 46 Skipped: 276

- We are close enough to hear "to the colors" so heavy aircraft departing is loud. Changes in operations that are planned ahead need better public notice. (Fighter craft departing for Europe in early hours)
- I DO NOT WANT FLIGHT NOISE AT NIGHT
- More civilian flights
- Cargo planes are LOUD and SCARY and OMINOUS - I and my family are fearful of them
- The loss of the neighborhood in Granby has given Granby a financial hit
- no night flights there is enough noise
- I would have no problem with quieter aircraft taking off and landing, however, when trying to sleep more noisy aircraft (think fighter jets on the extreme end) would be a problem. Maybe try testing out the project over a couple of nights to test compatibility. If residents could see what it would be like they would be better informed and prepared. Feel more a part of things/in some control.



# ***Joint Land Use Study Community Survey***

**U.S. AIR FORCE**

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- Love the new C-5M engines, turning to base leg is right over my house!
- I have been a resident of Chicopee all my life and live basically at the end of the runway. My father helped build Westover, I grew up with The B-52's, I worked on the B-52's, left the active duty and continued my career till 2008 with the C-130 aircraft and the C-5's. The noise has not bothered me and I welcome any progress that will keep the military here as well as help Chicopee grow economically.
- Miss the big boys warming up their engines and flying over!
- I have zero issues with the base and the civilian airport.

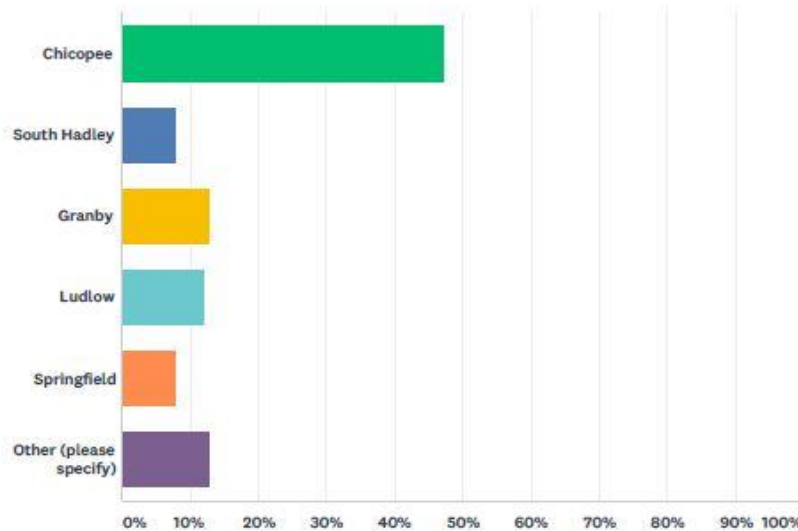


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Q23 Please indicate which community you live in:

Answered: 235 Skipped: 0



ANSWER CHOICES	RESPONSES	
Chicopee	47.23%	111
South Hadley	7.66%	18
Granby	12.77%	30
Ludlow	11.91%	28
Springfield	7.66%	18
Other (please specify)	12.77%	30
TOTAL		235



# ***Joint Land Use Study Community Survey***

## **U.S. AIR FORCE**

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Air Force Instruction (AFI) 90-2001 Encroachment Management

Promotes protections of public health, safety and general welfare in/around airfield environment (AICUZ)

Governs flight planning/operations and land use/management in/around airspace and ranges (AFI 13-201 Airspace Management)

*Encroachment is “Any deliberate action by any governmental or non-governmental entity or individual that does, or is likely to inhibit, curtail, or impede current or future military activities within the installation complex and/or mission footprint; or deliberate military activity that is, or is likely to be, incompatible with the use of a community’s resources.” – AFD 90-20*

- Basically, encroachment comes in three forms:
  - Things the community is doing to the base / units
  - Things the base / units / tenants are doing to the communities
  - Things the base / units / tenants are doing to themselves or others internally

*Encroachment Management is “Efforts undertaken by the Air Force alone or in conjunction with other federal, local, state, regional, and private entities, to prevent, eliminate or minimize impacts caused by encroachment.” – AFI 90-2001*



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# Engaging Potential External Stakeholders

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- Bureau of Reclamation/Water Management
- City/County Planners and Planning Boards
- Chambers of Commerce
- Conservation Groups
- Councils of Government
- Cultural Resources/SHPO
- Development Organizations
- DoD Units
- Economic Development Councils
- Elected Officials
- FAA/Civil Aviation
- Federal and State Land Management Agencies
- Military Support Groups
- Native American Tribes
- School Districts
- Special Advocacy Groups
- State Natural Resources Departments
- State Transportation Planning
- Utility Companies



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# ***Joint Land Use Community Survey***

## ***Questions?***