# Step-By-Step: Making Double Compartment Housing Possible







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#### Thank You So Much

## MADE POSSIBLE BY A GRANT FROM THE









#### **Objectives**

- Learn to save more lives more HUMANELY
  - Make better housing a priority
- Why are double compartments important?
- How do you prepare to install portals?
- Learn how do address common challenges
- Learn 4 Main Steps...





- Better housing benefits
- Increases cat well being
- Decreases stress
- Facilitates spot cleaning
- Decreases stress for cat during cleaning
- Decreases diseases
- Decreases care cost
- Decreases LOS
- Possibly increase adoptions (cats able to exhibit normal cat behaviors)







Guidelines for Standards of Care in Animal Shelters



www.ASPCApro.org/ASV





- Guidelines for Standards of Care in Animal Shelters
- "Primary enclosures must provide sufficient space to allow each animal, regardless of species, to make normal postural adjustments, e.g., to turn freely and to easily stand, sit, stretch, move their head, without touching the top of the enclosure, lie in a comfortable position with limbs extended, move about and assume a comfortable posture for feeding, drinking, urinating and defecating" [8].





Guidelines for Standards of Care in Animal

**Shelters** 







Food

2 feet min.



2 feet min.

Litter



2 feet min.

Resting













#### Charleston Animal Society Used to....

- Not schedule owner surrenders
- Charge \$95 to adopt an adult cat
- Euthanize all feral cats
- Keep more cats than we could get out, and euthanize when these cats developed URI
- House cats in cages that kept their stress level high





#### And This Was the Worst of It







# NOW Charleston Animal Society....

- Schedules owner surrenders and works with the owner to alter and vaccinate those pets before the time of surrender
- Adopts adult cats 1 year and older at no charge
  - Year round
- Has lobbied to change ordinances and utilizes a Community Cat Initiative
- Lowers stress to keep cats out of URI isolation, and not euthanizing cats that stress has made sick
- Has not euthanized a healthy or treatable cat or dog since December 2012













#### **Erie County SPCA Used to...**

- Not schedule owner surrenders
- Take all the stray cats that were brought into the shelter
- Charge an adoption fee for all cats
- Keep more cats than we could get out, and euthanize when these cats developed URI that would not respond to therapy





#### **Erie County SPCA Used to...**

- House cats in cages that kept their stress level high
- Euthanize some treatable cats that had very involved serious diseases





#### **Now Erie County SPCA....**

- Schedules owner surrenders
- Adopts cats over 2 years old free of charge
- Is fast tracking cats as much as possible
- Accepts cats as walk-in only if they are sick or cannot survive on their on
- Decreases stress to decrease URI
- Has not euthanized a treatable cat for more than a year





#### The Steps

- 1. Who enters your shelter?
- 2. Calculate what you NEED
- 3. Develop strategy for positive flow
- 4. Meet challenges
- 5. Remember the basics
- 6. Cut the holes
- 7. Market, promote
- 8. Monitor animal flow and data





- Use available tools to assess population
- Spread sheet with past year population
- Intake
- Outcome
- Assess current population in your shelter
- Retrieve all information from shelter management software





- SPCA serving Erie County
- Open Admission, Annual intake 12,300 per year, Adoptions 7,200 per year

- Charleston Animal Society
- Open Admission, Annual intake 9,500 per year, Adoptions 4,500 per year















Review the laws in your state

- Any special ordinances?
- Possibilities to decrease Stray Holding Time?







- Formulas
- Required Stray Holding Capacity (RSHC)
- Adoption Driven Capacity (ADC)

- How can I use these?
- Just go ahead and cut portals?
- Plan ahead / different strategies







Formulas

Required Stray Holding Capacity (RSHC)

RSHC = avg daily intake \* stray holding time

Adoption Driven Capacity (ADC)

ADC = monthly adoptions \* target LOS days in month





#### Refer to PetSmart Charities webinar:

Calculating Adoption-Driven Capacity
 Dr. Cynthia Karsten, December 12, 2013

#### Refer to ASPCApro webinars:

- Shelter Guidelines: Math and Population Planning
   Dr. Sandra Newbury, April 28, 2011
- Calculating Your Humane Capacity
   Dr. Sandra Newbury, November 20, 2013





Use the <u>Adoption Driven Capacity (ADC) Calculator</u>

- How to "Calculate Your Humane Capacity"
- Choose a target LOS
- Might vary with "peak" seasons
- Fluid / dynamic concept





Use the <u>Adoption Driven Capacity (ADC) Calculator</u>

A	R		U	E		
Month of:				_		-
Monthly Intake (for this month)	2 years ago	Last year		Expected (average) Monthly Intake		+
All Adult Cats	z years ago	Last year		#DIV/OI	All Adult Cats	
All Addit Cots				#514/61	All Addit Cots	_
All Kittens				#DIV/0!	All Kittens	-
All kitteris				WDIV/O:	All Kitteris	-
Adult Cats - Stray				#DIV/0!	Adult Cats - Stray	_
Addit Cats - Stray				WDIV/O:	Mudic Cats - Stray	-
Kittens - Stray				#DIV/0!	Kittens - Stray	-
kittens - stray				WDIV/O:	Kitteris - Stray	_
Monthly Live Release (in-shelter)	2	Lastrons		Expected (average) Monthly Live Release		
All Adult Cats	2 years ago	Last year		#DIV/0!	All Adult Cats	
All Adult Cats				MDIV/OI	All Adult Cats	_
						_
All Kittens				#DIV/0!	All Kittens	_
				Average expected shelter requirements		
Today's Census	Today	This date last year		Adoption (Live Release) Capacity	Cats In-Shelter	Housing units needed
ADULT CATS				Adult Cats	#DIV/0!	#DIV/0!
Total In-shelter (sums from pathways below)	0	0				
Available				Kittens	MDIV/0!	#DIV/0!
Holding / Evaluation						
Treatment						
Non-Adoption Pathway				Stray Holding Capacity		
				Required Stray Capacity (Adults)	#DIV/0!	#DIV/0!
In Foster Care				Required Stray Capacity (Kittens)	MDIV/0!	#DIV/0!
Off Site Adoption						
				Current available (open) LR capacity	Cats In-shelter	Additional housing units
In Vet Hospital				Adult cats	#DIV/0!	#DIV/0!
				Kittens	MDIV/0!	#DIV/0!
Today's Census	Today	This date last year				
KITTENS		, , , , , , , , , , , , , , , , , , , ,		In-Shelter Care		
Total In-shelter (sums from pathways below)	0	0		Basic Care Labor at ADC (hours)	MDIV/0!	
Available	·	-		basic care tabor at ribe (nours)	1011/01	
Holding / Evaluation				Current Basic Care Labor		0
Treatment				Current besit cure too		-
Non-Adoption Pathway						
In Foster Care						
in Foster Care						
Off Site Adoption						
OIT SILE Adoption						
In Mat Haspital						
In Vet Hospital						
D						
Parameters						
Required holding period - Adults (in days)						
Required holding period - Kittens (in days)						
Target LOS to live release - Adults						
Target LOS to live release - Kittens						
Target % LR for stray adults Target % LR for stray kittens	85% 85%	Actual average LR rate (% of intake) Actual average LR rate (% of intake)	#DIV/0!			





CAS Feline RSHC	Option 2		
	Yr 2011	Yr 2012	Yr 2013
Jan	27	21	17
Feb	26	23	12
Mar	28	25	19
Apr	30	33	32
May	56	60	48
Jun	56	47	44
Jul	45	42	41
Aug	41	45	34
Sep	48	33	34
Oct	41	36	38
Nov	37	22	21
Dec	19	20	15

Total Feline Adoption Capacity	Yr 2011	Yr 2012	Yr 2013
Jan	6	16	20
Feb	13	15	12
Mar	14	15	14
Apr	11	12	14
May	19	16	11
Jun	27	39	56
Jul	31	31	20
Aug	21	28	37
Sep	22	22	13
Oct	17	16	34
Nov	17	21	20
Dec	21	20	24





- Choose Pathways at intake
- Fast track cats
- Slow track cats
- More tools to promote positive flow
- Daily rounds (population and medical)
- Open selection
- Increase adoption sites
- Develop stronger foster program
- Shelter-Neuter-Return community cats









- Choose pathways at intake
- Daily rounds are key to efficient flow of animals
- Evaluate each animal's pathway daily





#### **Open Selection**

- Pre-adoption system
- Available for the public to view

#### Community Cat Program

- Shelter cats during their hold time, unless unable to handle the stress (Ferals)
- Select cats case-by-case
- Return to their familiar community and resources
- \* Any strategy used should be based on an agreed upon and written protocol





- Maintain a positive cycle
- Having too many animals creates a negative cycle
- The number of animals in your shelter should match the number of animals that flow through your adoption floor





Educate your management and staff
 Meeting with Key Staff







Educate your management and staff
 Outside shelter professional input







- Address staff's questions
- FAQ need answers
- How do you do it?
  - Change is hard: Empower your staff
- Team work
- Every staff member plays a role





#### Minimize risks of "failure"

- Do your homework
- Plan ahead with steps
- Share budget and equipment needed
- Execute at a time of low shelter population





## Step 4: Meeting Challenges

#### **BE PATIENT!**







## Step 4: Meeting Challenges

#### Adapt the pace to your staff



"Okay, we are with you....."



"You said what....!?!





### **Step 4: Meeting Challenges**

Insist on the positive outcome

Share other shelters' experiences

What do you have to lose?

- It works: great!
- It does not: go back to old ways?
- What does failure look like?





#### **Step 5: Remember the Basics**

#### Always keep in mind the 4 main steps:

- Start when Intake is lowest (reset population in the shelter if needed, coupled with efficiency)
- Increase outcome, even if for short time (coupled with efficiency)
- Fast Tracking
- Decreasing housing time (LOS)











# Step 6: Cut The Holes Already Do Your Homework

Video of portal construction process available through UC Davis Koret Shelter Medicine Program

Video: Remodeling Cat Housing with PVC Portals

www.youtube.com/watch?v=bKumTcZA00o







# Step 6: Cut The Holes Already The Shopping List

Feline Kennel Portal Supplies and Estimated Costs					
Item	Quantity Needed	Cost	per Unit		Total
8 inch schedue 40 PVC pipe (Fergusons quote)	20 ft	\$	173.49	\$	173.49
8 inch PVC couplers	31	\$	22.72	\$	704.32
Weld-On PVC Cement	1 qt	\$	15.97	\$	15.97
115 Volt Plasma Cutter - Rental from Sunbelt	1 wk	\$	115.00	\$	115.00
Sillicone Kitchen/Bath PVC Caulking	5 tubes	\$	6.24	\$	31.20
Angle type grinder	1				
Band saw	1				
Supplies to frame-out, brace, fix kennels		\$	400.00	\$	400.00
				\$1	,439.98





















Different sizes of rings for port holes











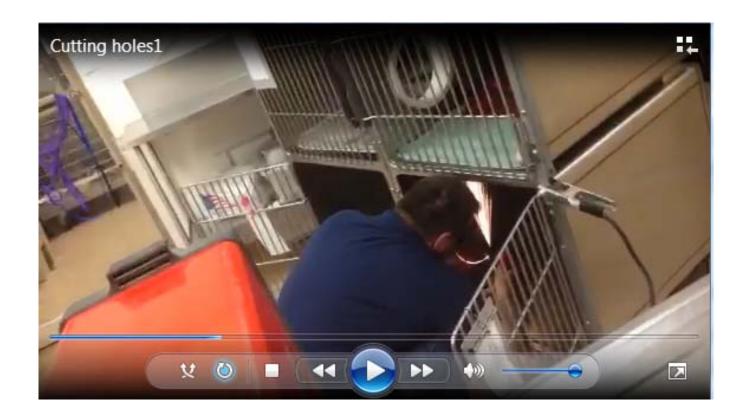






























































































#### **Pre-Fab Portals**

Dr. Denae Wagner, with the help of an engineer, has been working to develop a pre-fabricated portal.



#### **Available late fall 2014!**

Contact <u>dcwagner@ad3.ucdavis.edu</u> to receive an update from Dr. Wagner.

#### **Hole Template**



#### **Cutting with Template**







#### Step 7: Media / Adoption Marketing

Continue to push promotions

Promote the change in housing











#### **Step 8: Monitor Animal Flow**

- Remember that "slow trackers" will need your help!
- Identify slow track animals at intake and get them help ASAP.
- No need to wait. Start a plan for slow track animals immediately.







# Step 8: Monitor Animal Flow and Data

- Effects on the shelter population
- Increase flow
- Change in population: slow trackers left
- Change in staff hours?
- Other?

Goal: Population number should stay the same or improve If you are monitoring daily, you can make adjustments more quickly





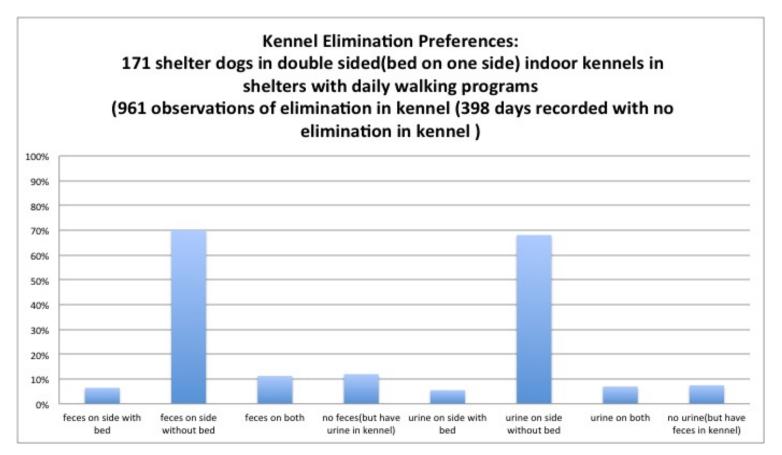
Don't forget that dogs need double compartment housing, too!

Walks outdoors should not be considered the "second compartment" of their kennel.









Wagner D, et al. (2014) Elimination Behavior of Shelter Dogs Housed in Double Compartment Kennels. PLoS ONE 9(5): e96254. doi:10.1371/journal.pone.0096254



				Total
Date	B only	B + other	N only	recorded
unk	18	11	3	42
14-Nov	18	13	7	50
15-Nov	24	9	6	50
17-Nov	10	6	4	38
18-Nov	21	5	1	45
19-Nov	15	8	4	42
20-Nov	12	12	3	46
21-Nov	18	13	11	48
24-Nov	15	5	4	37
25-Nov	19	2	1	38
26-Nov	23	4	8	45
27-Nov	15	3	4	43
1-Dec	18	3	4	33
2-Dec	20	2	7	51
3-Dec	17	3	9	47
4-Dec	20	4	6	48
5-Dec	15	6	10	43
Total	200	109	92	746
Percent				
of Total	0.40	15	0.12	
Total				
Using				
Back or				
None	0.67			





If you have guillotines in your dog kennels and are using them to house 2 dogs instead of 1.....

Open those guillotines!







If you have concrete walls, consider breaking through them to create a small doorway, as Toronto Humane Society has done.









Charleston Animal Society - RSHC

CAS Canine						
RSHC	Ontion 1					
NOTIC	Option 1.5					
	Yr 2011	Yr 2012	Yr 2013			
Jan	30	31	35			
Feb	37	28	27			
Mar	35	31	29			
Apr	35	26	32			
May	40	36	37			
Jun	38	41	38			
Jul	53	36	43			
Aug	40	46	42			
Sep	43	31	36			
Oct	30	35	43			
Nov	36	30	32			
Dec	32	32	32			





 Charleston Animal Society has guillotines that separate a common space between kennels

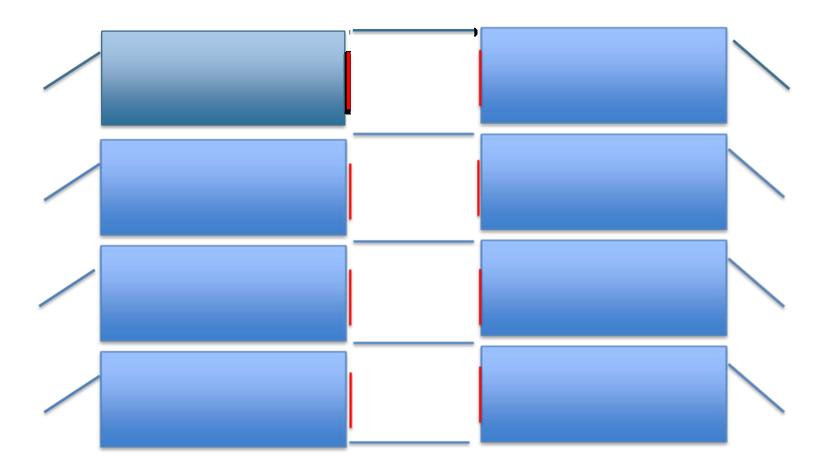








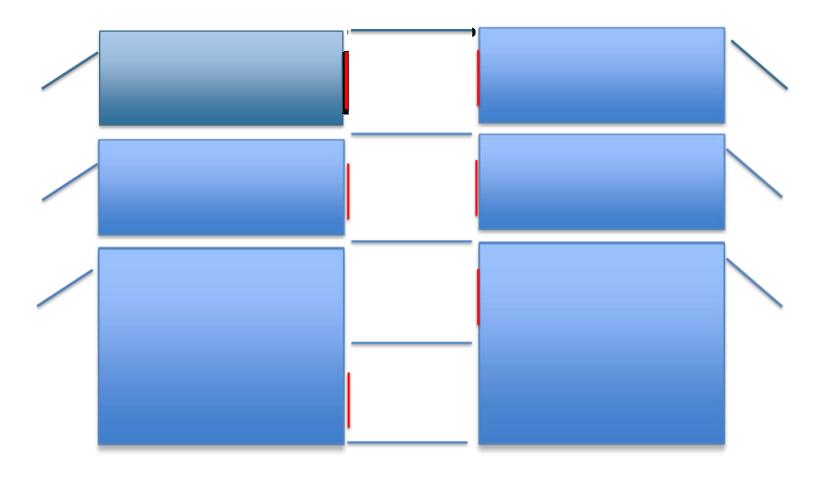
## **Kennel Diagram**







## **Kennel Diagram**







## A Little on Dogs and Housing...

- We closed the swing door dividers and opened the guillotines.
- We have not been able to do all the kennels yet but we have more than half currently with double compartments.
- Easier cleaning of center area for staff. If no elimination in front compartment, we spot clean.









- Charleston Animal Society is still working on making double compartment housing available to all dogs
- Beginning to create a Fast Track Program for dogs





- Recent post-card drop to the zip codes that give us highest intake of dogs, offering feewaived adult dogs.
- Hopeful that the communities that "create" some of our harder to place dogs, will adopt them.
- Theory if they adopt a spayed or neutered dog, that pet will take the place of their next would-be, unaltered pet.







For cats, we have gone from....



TO







#### SPCA Serving Erie County – Cat Digs









#### **Before**









#### **After**

















## **From**

## To









#### From: No – Never – Not Ever!



Our vet wanted to put portholes between these cages, effectively cutting capacity in half!!!!!

I resisted for nearly a year.

She did not give up.

I got sick of it and finally gave permission.





## **TO:** Update



#### "I AM THRILLED!!!!!

It's just one month but I'm feeling pretty good about it.

Even without these great results, the first day I saw the cats in their new digs, seeing their completely different body language, relaxation, posture, etc., I was sorry, very sorry, that I had put this off so long.

I AM A BELIEVER!"





## To: Update

#### **SPCA Serving Erie County 1 month later**

We have just completed our first month with our cat cages pop-holed, which I have to tell you was pretty scary to me to decrease our capacity, But.... so far, one month, and these are the results:

#### **URI**

- Down 59.5% from 89 cases last April to 36 cases this April





## **Update: 1 Month Later**



- Cat intake down just 15 cats from 546 to 529
- Cat adoptions 5 15%, from 226 to 260
- LOS for cats 1 yr + to adoption dropped from 21.3 days to 17.3 days 4 days per cat!
- Cats under 1 yr, LOS to adoption from 25.6 days to 21.6 days, 4 days per cat!

# Erie SPCA LOS of cats adopted, over 1 year, 2<sup>nd</sup> quarter







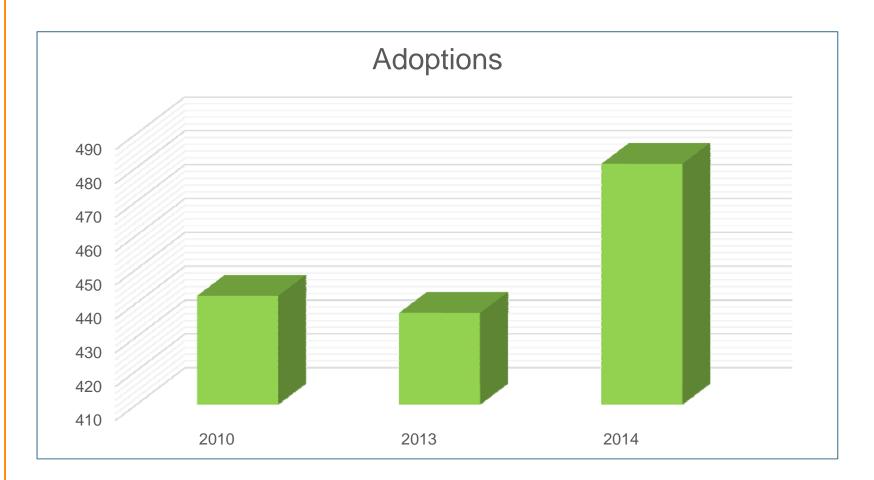
# Erie SPCA July 2013 and 2014 LOS, a 24% reduction







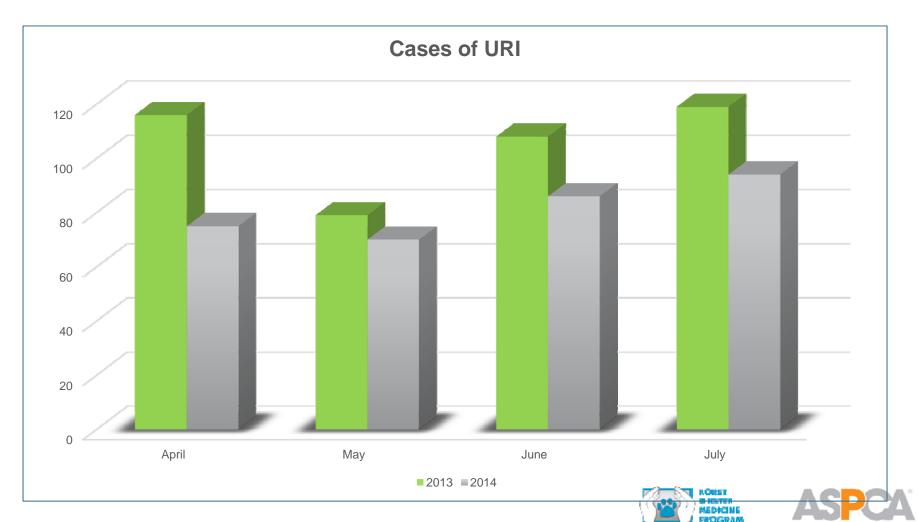
## Adoptions Up in 2<sup>nd</sup> Quarter



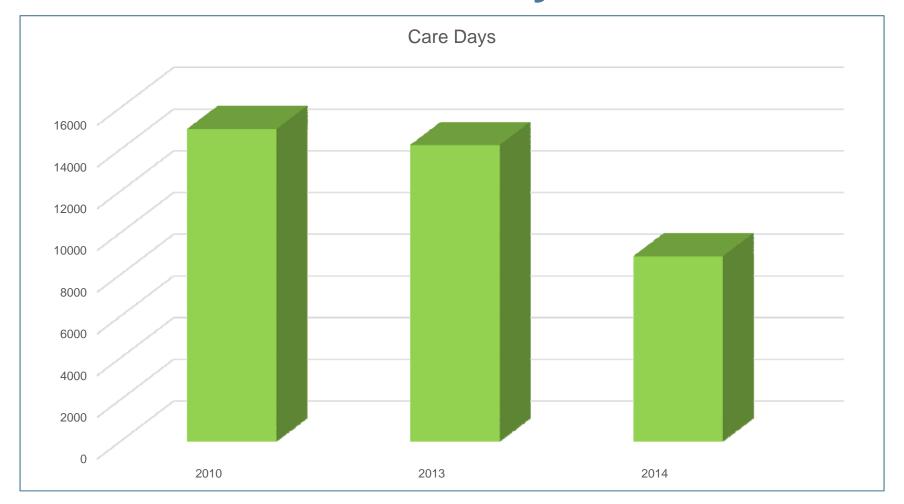




## Erie SPCA Overall a 22% reduction in URI cases. Total cases down from 422 to 325



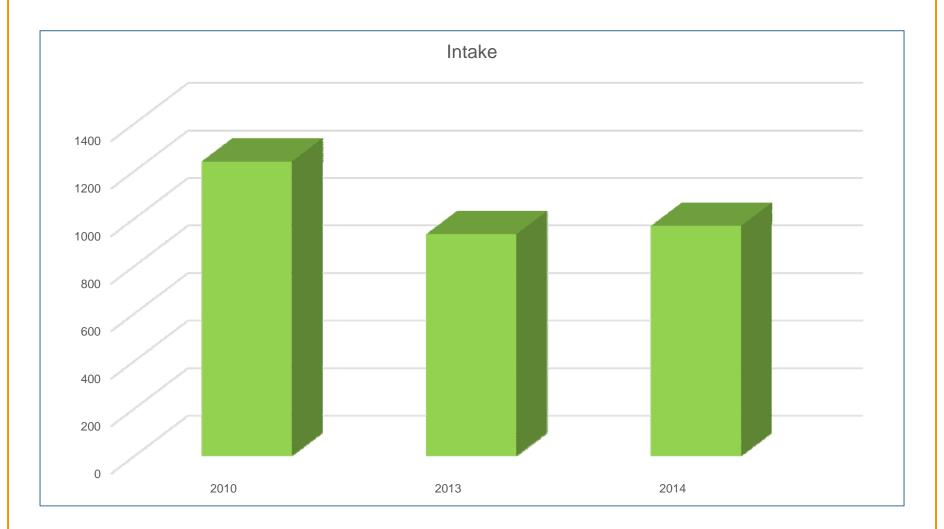
## Erie SPCA Total Animal Care Days Cut in Half!







### **Erie SPCA: Cat Intake**







## The Steps

- 1. Who enters your shelter?
- 2. Calculate what you NEED
- 3. Develop strategy for positive flow
- 4. Meet challenges
- 5. Remember the basics
- 6. Cut the holes
- 7. Market, promote
- Monitor animal flow and data





## **Questions?**







### **Questions?**



Please do not hesitate to contact us:

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