

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**WORKSHOP SUMMARY**

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**Meeting Date:** January 29, 2019

**Department:** Facilities Development and Operations  
Public Safety

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**I. EXECUTIVE BRIEF**

**Title: Animal Care and Control Facility Renewal/Replacement/Renovation Project**

**Summary:** During the summer of 2018, concerned parties inundated Animal Care and Control (ACC) and the Board of County Commissioners (BCC) with requests for air conditioning of the existing dog kennels or another form of permanent relief from the high, late summer, temperatures. As a result, at the September 4, 2018 BCC meeting, the Board requested staff to evaluate options for providing air-conditioned kennels for the shelter dogs. The attached white paper accomplishes that direction and provides options by; 1) discussing the need for and scope of the planned infrastructure sales tax (IST) funded renewal/replacement/renovation project (R/R/R Project) budgeted at \$21,000,000, and 2) describing two different upgrade options that include the introduction of air conditioned dog kennels. Upgrade option 1 (UO1) would require an additional \$5,000,000 bringing the total to \$26,000,000 plus increased operating costs of \$590,000. Upgrade option 2 (UO2) would require an additional \$11,000,000 bringing the total to \$32,000,000 plus increased operating costs of \$680,000. Staff requests direction on whether to proceed with the base IST R/R/R Project or U01 or U02. Countywide/District 2 (LDC)

**Background and Policy Issues:** The existing ACC facility was designed in the late 1980s and constructed in the early 1990s and has remained in continuous operation ever since. In a 2006 BCC Workshop, staff was directed to, among other operational, staffing and funding directives, move forward with a facility expansion project. In 2007/2008 a review of the programming study documented specifically those improvements which would be required to meet the BCC's overall objectives for ACC. Beginning in fiscal year 2007, \$8,000,000 was identified as being required in an out-year of the 5 Year Capital Improvement Plan. The \$8,000,000 was not based on any specific program or conceptual design. Further efforts were placed on hold due to the funding constraints of the recession. In 2016, a complete project estimate was conducted as part of the effort to document the backlogged R/R work for infrastructure sales tax (IST) funding including the deferred renewal/replacement costs, renovation/expansion and expenses associated with continuing operations (Continuity of Operations Plan or COOP) during the construction phase. The IST budgeted amount is \$21,000,000.

**Attachments:**

1. ACC Facility Renewal/Replacement/Renovation Project White paper
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**Recommended by:**  1/16/19  
Department Director Date

**Approved By:**  1/23/19  
Assistant County Administrator Date



January 16, 2019

To: Honorable Mayor Mack Bernard and Members of the Palm Beach County Board of County Commissioners

From: Audrey Wolf, Director Facilities Development & Operations

Stephanie Sejnoha, Director Public Safety

Dianne Sauve, Director Animal Care and Control

Re: **Workshop January 29, 2019**  
**Animal Care and Control (ACC) Facility Renewal/Replacement/Renovation Project**

The purpose of this paper is to respond to the BCC's September 4, 2018 direction to evaluate options for providing air conditioned kennels for the shelter dogs. This white paper accomplishes that direction by; 1) discussing the need for and scope of the planned funded renewal/replacement/renovation project (R/R/R Project), and 2) describing two different upgrade options that include the introduction of air conditioned dog kennels.

### **Section 1 - Background**

The existing ACC facility was designed in the late 1980s and constructed in the early 1990s and has remained in continuous operation ever since.

In a 2006 BCC Workshop, Staff were directed to, among other operational, staffing and funding directives, move forward with a facility expansion project. In 2007/2008 a review of the programming study documented specifically those improvements which would be required to meet the BCC's overall objectives for ACC.<sup>1</sup> In 2016 a complete project estimate was conducted as part of the effort to document the backlogged R/R work for infrastructure sales tax (IST) funding including the deferred renewal/replacement costs, renovation/expansion and expenses associated with continuing operations (Continuity of Operations Plan or COOP) during the construction phase. The IST budgeted amount is \$21,000,000.

During the summer of 2018, concerned parties inundated ACC and the BCC with requests for air conditioning of the existing dog kennels or another form of permanent relief from the high, late summer, temperatures. Staff prepared a written briefing dated August 14, 2018 for the BCC (see Attachment 1 to this white paper) which; 1) recapped the immediate remedial cooling actions undertaken, 2) identified the temporary cooling options that were explored (and implemented), 3) described the general approach to evaluating permanent cooling options which likely would involve the construction of new kennel buildings to maintain operations during construction, and 4) limited those recurring operating and maintenance costs. Also in a separate written briefing dated August 15, 2018 (see Attachment 2 to this white paper), the ACC Director updated the BCC in a memo entitled "Care of Shelter Dogs During the Summer Months."

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<sup>1</sup> Beginning in FY07, \$8,000,000 was identified as being required in an out-year of the 5 Year CIP. The \$8,000,000 was not based on any specific program or conceptual design. Further efforts were placed on hold due to the funding constraints of the recession.

On September 4, 2018, as part of the FY 19 budget adoption meeting, the BCC directed Staff to; 1) explore the cost of providing air conditioning in the kennels with the framework of the \$21M IST project funding, and more specifically to modify the project to include air conditioning, and 2) bring back the results of that evaluation in a future workshop. Hence this white paper and companion workshop.

## **Section 2 - Infrastructure Sales Tax Project - Renewal/Replacement/Renovation**

The following elements<sup>2</sup> were included in the IST R/R/R Project.

- 1) Addition of an animal wellness center which includes a spay/neuter clinic, isolation holding for cats and dogs, accommodations for sheltering 20 additional dogs, and an administration area;
- 2) Renovation of approximately 60% of the existing building;
- 3) Cat area feature;
- 4) Additional operations/maintenance space to include vehicular use/storage bays, offices, restrooms and breakroom; and
- 5) Sitework including but not limited to parking, site lighting and associated landscaping.

Since September, and after visiting the new shelters in Broward and Miami Dade Counties<sup>3</sup>, Staff has further defined the R/R/R project program with a focus on; 1) renovations to improve overall functionality and flexibility of the spaces; 2) the importance of having the clinic centrally located to all functions, but without core circulation space going through the clinic, 3) creating separation between key functions such as adoptions, euthanasia, and non-adoptables. Staff confirmed that the \$21,000,000 project estimate remains sufficient for a project of that scope. Specifically the scope includes:

- 1) Addition of a 12,600 sf 2 story structure to house the spay/neuter clinic and administration area;
- 2) Creation of a physically separated isolation holding area for cats and dogs within the existing structures;
- 3) Addition of 3,650 sf to create a cat area function including an adoption processing lobby, cat nursery, cat adoption temporary holding, grooming room, a free roaming cat adoption/display suite and an outside cat patio area.
- 4) Addition of 7,350 sf of ACC Field Operations;
- 5) Renovation of approximately 90% of the building including renewal/replacement of the existing building to accommodate a more robust and productive clinic; and
- 6) Infrastructure required for a temporary seasonal HVAC solution.

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<sup>2</sup> The R/R of the three (3) existing kennel structure, replacement of the incinerator and a variety of other repairs and R/R were completed over the last 10 years with funding already appropriated in the CIP for years past.

<sup>3</sup> Staff reviewed the new construction facilities in Broward and Dade Counties and were able to evaluate and compare animal housing, employee and public flow, services offered, and internal animal enrichment programs. Identified were a decrease in individual kennel space and an escalation in noise and potential stress with completely enclosed air conditioned kennels. Broward identified air quality issues as a major concern. Both facilities had separation of areas for public programs and services such as adoptions, vaccinations and tag sales, TNVR, and public sterilization of animals. This separation of programs and visitors is ideal and was planned in the 2007-2008 ACC R/R and continues to be presented in both options now.

This project will result in an estimated \$197,000 in facility related operating costs<sup>4</sup>.

Neither the project scope resulting from the, 2006 BCC Workshop, 2007/2008 program, nor the 2016/2018 update includes air conditioning for the existing dog kennels. As indicated in Attachment 2 (memorandum from the ACC Director), Staff cannot recommend that “any funding be diverted away from these essential needs” in order to introduce air conditioning, and this remains the position of Staff. ACC developed and modified operations to include programs to save the lives of orphaned kittens, provide heartworm treatment for dogs entering the shelter that are diagnosed with heartworms, added behavioral enrichment programs for dogs, offered additional medical treatment for sick or injured animals as well as provided public foster programs, and finally implemented the Trap Neuter Vaccinate Return program as a part of County’s Countdown to Zero initiative.

Due to these overdue and pressing needs and the operational impact resulting from the removal of any of these elements, Staff developed alternative options for the introduction of air conditioning into the dog kennels as directed by the BCC. These two options are analyzed in subsequent sections to consider programmatic, operational (COOP) and financial impacts and would increase one-time capital funding requirements by either \$5,000,000 or \$11,000,000 depending on the option. The additional operating costs associated with the options are also discussed below.

**Section 3 - Upgrade Option #1 - 1 New Dog Kennel with Air Conditioning and Renovation of Existing 3 Dog Kennel Buildings for Permanent Seasonal Solution.**

Upgrade Option #1 (UO1) includes the addition of the following elements to the IST R/R/R Project scope:

- construction of one (1) new air conditioned 4,000 sf, 48 indoor/outdoor kennel shelter building; and
- renovation of the three (3) existing kennels for a permanent seasonal air conditioning solution.

This option provides for the construction of a new air conditioned indoor/outdoor dog kennel structure and the renovation of the existing kennels to provide minimum levels of insulation for energy efficiency and noise control, installation of air conditioning units and associated distribution ductwork while retaining the existing facilitated forced air system for ventilation during non-heat peak events to lower the energy costs and take advantage of the higher ceilings and reduced noise. UO1 also accomplishes continuity of operations by using the new kennel to be used to house dogs currently located in one existing kennel during its renovation, such that kennel renovations can be commenced and completed in successive phases. After renovation of the three existing kennels the added kennel capacity of the new structure will allow ACC staff to more strategically classify and place animals and have specific areas for adoptable, non-adoptable, and isolation.

Another major benefit of UO1 would be the construction of the new kennel as an indoor/outdoor kennel format which increases positive animal behaviors and decreases disease, noise and smells in the kennels.

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<sup>4</sup> Facility relates operating costs include electric, water, gas, refuse removal, janitorial, elevator maintenance, building maintenance, grounds and misc other service contracts on systems.

The total project cost associated with UO1 is \$26,000,000, thereby requiring an additional \$5,000,000 over the \$21,000,000 currently budgeted in IST funding. Annual operating costs are expected to increase by \$393,000 over the existing IST project operating costs from the following expense areas:

Operating Cost Type	Annual Estimated Expenditure
Personnel Costs	\$460,000
Animal Related Operating Costs <sup>5</sup>	\$115,000
Facility Related Operating Costs	\$ 15,000
Total	\$590,000

**Section 4 - Upgrade Option #2 - 4 New Air Conditioned Kennels**

Upgrade Option #2 (UO2) includes the addition of the following elements to the IST project scope:

- construction of four (4) new air conditioned in-door/outdoor kennel buildings; and
- retention of the existing three (3) kennel structures for training/event space and fulfilling ACC storage needs at the facility.

This approach will create all new indoor/outdoor kennels<sup>6</sup> as well as provide much needed storage space for equipment, operating supplies and increased donations. This option is also responsive to continuity of operations by using the existing kennels until such time that the new kennels are operational. This option also provides for the separation of staffing parking and entry via a new access road.

The total project cost associated with UO2 is \$32,000,000; thereby requiring an additional \$11,000,000 over the \$21,000,000 currently budgeted in IST funding.

Annual operating costs are expected to increase by \$483,000 over the existing IST project in this scenario from the following expense areas:

Operating Cost Type	Annual Estimated Expenditure
Personnel Costs	\$460,000
Animal Related Operating Costs	\$115,000
Facility Related Operating Costs	\$105,000
Total	\$680,000

<sup>5</sup> This includes additional staffing, medications, and animal related supplies and equipment.

<sup>6</sup> See benefits of indoor/outdoor kennels described in UO1.

**Section 5- Comparison between IST Project and Options 1 (UO1) and 2 (UO2).**

	<b>Existing IST Project</b>	<b>Upgrade Option #1</b>	<b>Upgrade Option #2</b>
<b>Scope</b>	<p>Replacement of all building systems/finishes with new</p> <p>Renovation of 90% of the existing building (not including kennels) for replacement and/or increased functionality.</p> <p>Addition of 12,600 sf 2-story building to house the new spay and neuter clinic and ACC Administration on the second floor.</p> <p>Creation of a separated isolation holding areas for cats and dogs.</p> <p>Addition of 3,650 sf to create a cat area function including an adoption processing lobby, cat nursery, cat adoption temporary holding, grooming room, a free roam cat adoption/display suite and an outside cat patio.</p> <p>Addition of 7,350 sf for ACC Operations.</p> <p>Infrastructure required for a temporary seasonal HVAC solution.</p>	<p>Same IST project features</p>	<p>Same IST project features</p>
<b>Add'l Amenities</b>		<p>1 new indoor/ outdoor year round air conditioned kennel building to accommodate 48 kennels.</p> <p>Renovation of existing 3 kennel buildings for permanent seasonal air conditioning</p>	<p>4 new indoor/ outdoor year round air conditioned kennel building to accommodate 48 kennels.</p> <p>The use of 2 existing kennel buildings for training, animal wellness and special events.</p> <p>The use of 1 existing kennel building for storage of equipment, operating supplies and donations.</p>
<b>Add'l Capital Cost</b>	\$21,000,000	\$5,000,000	\$11,000,000
<b>Add'l Annual Operating Cost</b>	\$197,000	\$590,000	\$680,000

## Section 6 - Staff Request Direction or Recommendation

- Request direction on whether to proceed with the IST R/R/R Project as currently funded or proceed with the IST R/R/R project as well as either Upgrade Option #1 or Upgrade Option #2.
- Request direction to prepare changes to the Animal Care and Control Ordinance for the BCC's consideration to clarify duration of outdoor temperatures, define peak heat events, and outline applicability and owner requirements during heat events<sup>7</sup>.

### Attachment

1. August 14, 2018 Memorandum
2. August 15, 2018 Memorandum
3. Intake, Euthanasia, and Save Rate Trends for Cats
4. Intake, Euthanasia, and Save Rate Trends for Dogs

C: Verdenia Baker, County Administrator  
Faye Johnson, Assistant County Administrator  
David Walesky, ACC Operations Manager  
Fernando DelDago, Director Capital Improvements

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<sup>7</sup> The current ACC Ordinance does not provide sufficient information as it relates to temperatures in order to establish a framework to define the process and coordination of actions of PBC agencies and other non-governmental agencies.





**Facilities Development &  
Operations Department**

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**Palm Beach County  
Board of County  
Commissioners**

Melissa McKinlay, Mayor

Mack Bernard, Vice Mayor

Hal R. Valeche

Paulette Burdick

Dave Kerner

Steven L. Abrams

Mary Lou Berger

**County Administrator**

Verdenia C. Baker

*"An Equal Opportunity  
Affirmative Action Employer"*

August 14, 2018

To: Honorable Mayor Melissa McKinlay and Members of the Palm  
Beach County Board of County Commissioners

From: Audrey Wolf, Director Facilities Development & Operations 

Re: Animal Care and Control (ACC) Kennel Building Temperatures

**Background**

The three (3) kennel buildings at the Animal Care and Control facility were designed in the late 1980s and constructed in the early 1990s. The design of the kennels, just like any PBC development project, is based on the programmatic design criteria which in this case specifically and intentionally did not include air conditioning<sup>1</sup> due to the impacts of re-circulated air<sup>2</sup> on the health and welfare of the animals and instead relied on an open air environment with facilitated exhaust to help circulate the air.

Accordingly the building itself was not designed with all of the features (most importantly insulation and for cold air distribution and return air duct work) that are required for buildings with HVAC systems. Further, due to the fact that the kennel buildings were constructed for an open air environment, the addition of spot coolers or air conditioning without making changes to the building itself, would have the potential to create a "rain forest" type atmosphere within the space which could result in slippery surfaces (safety of public and employees), unfavorable environmental conditions that could exacerbate existing health issues for the animals, unsanitary conditions, and other related problems.<sup>3</sup>

<sup>1</sup> This programmatic assumption will be revisited in the Long Term Cooling Options section.

<sup>2</sup> Technology advancements during the last 20 years will be revisited in the Long Term Cooling Options section.

<sup>3</sup> Management of these impacts are addressed within multiple sections. Staff also addresses the donation issue in the Donations section.

### Current Conditions

Without addressing the issue of ambient temperature rising since the design and construction, Staff identified two conditions that have been changed since construction that hinder the performance of the facilitated exhaust system. Particularly the installation of sound baffling in the center of each kennel building and the opening of the upper windows in each kennel building; both interfere with the exhausting of air through the building. The sound baffling in the center (sound baffling around the sides remains in place) has been removed and the upper windows (and propped doors) will remain shut. In addition, Staff has increased the operating speed of the exhaust fans. Together, these actions have already decreased the temperatures 2°-4° during the peak heat times as shown below.

The measured temperature on each of the four sides of Kennel Building #3 exceeded 85° for approximately 5 hours/day (beginning between 1100-1200 hours and returning to 85° or below between 1600-1700 hours daily) during the last four (4) full days that the temperature probes have been in place. Other observations during the last four days:

- The hottest recorded day temperature was between 89.8° - 90.9° (four probes) and 92.1°-90.1° prior to the implementation of the three (3) of the five (5) Immediate Remedial Actions.
- The hottest recorded day temperature was between 88°-89.6° (again, four probes) and 87.6° and 86.5° after the implementation of three (3) of the five (5) Immediate Remedial Actions.

Please note that the Director of ACC has assured the animals are being continually monitored and are not in any immediate danger as a result of these temperatures. ACC also provides enhanced care, protective services (increased overwatch) and other options as described in Dianne Suave's 8/14/18 email) during these events.

### Immediate Cooling Remedial Actions Being Implemented

The following immediate remedial actions are also being implemented. Remedial actions are described as those actions which are renewal/replacement in nature, returning the operating conditions to the design assumptions, that do not have any related adverse impacts, and are typically handled through the operating budget.

1. Reposition and replace wall mounted fans. Since construction a significant number of wall mounted oscillating fans have been added to the building. These fans, when correctly positioned and operational do assist in addressing the comfort of the employees, public and animals even if they do not actually cool the air. Further, they assist in moving air through the exhaust system. However, some need to be re-positioned so that they are aimed to provide flow at 0-6 feet above the floor. Others need to be replaced due to rusting or age, and others need to be re-wired to raise the height of the outlet to reduce the times that the electrical circuit is tripped due to water/moisture (as

a result of cleaning operations) discontinuing the operation of the fans. This will all be accomplished in-house.

2. Lighting replacement. Over the last years, the metal halide lighting has been replaced with LED lighting as part of our energy program. Staff will accelerate the replacement of the metal halide lighting to reduce the radiant heat produced in the kennel buildings.
3. Window tinting. Staff will be evaluating the positive impacts resulting from the installation of tinting on the windows.<sup>4</sup>

#### Temporary Cooling Options Being Explored

In the event that the implementation of Items 1-3 above is not successful in maintaining the temperature objectives in the Kennel Buildings, then a temporary cooling option could be considered.

A temporary cooling option that can be implemented only during the times that the temperature reaches a "peak heat event." This would be a predetermined combination of temperature and maintained duration, and include an impact management plan which can be implemented to mitigate the safety issues to the employees and public and health issues to the animals. Essentially, these are options which could be either permanently installed and activated only when required, or installed on a temporary basis for the duration of the heat event. Implementing the temporary cooling options only during the peak heat hours is critical to the management of the safety and health impacts, and financial impacts, associated with the introduction of water/moisture into the kennel building environment which is required for these options. Staff is evaluating:

1. "Misters" that would be permanently installed to the wall mounted fans. There is a wide variety of misters which introduce ambient temperature or cooled water into the Kennel Buildings.
2. "Spot Coolers" that would introduce cooled air into the Kennel Buildings.

The evaluation of these two types of cooling would address the positive or negative impacts; 1) on reducing air temperature at 0-6' above the finished floor, 2) from the amount and form of moisture introduced, 3) ability to distribute cooling benefits throughout and number of units required, 4) interference, or lack thereof, with exhaust system performance, 5) on-going maintenance and operating requirements, and 6) costs to implement.

Staff has already initiated discussions with design professionals and vendors about the available options so that Staff can pilot these options and make a follow-up recommendations to the BCC.

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<sup>4</sup>This may be an area for targeted donation of services discussed in the donation section.

### Permanent Cooling Options

This would involve 1) determining that providing a 100% outdoor air HVAC is a programmatic requirement after considering the ongoing operating requirements and increased staffing and costs; and 2) that the Kennels Buildings will either undergo a major renovation to accomplish same or the construction of new.

Most recently in 2015, Staff has requested the County's consulting engineer to answer the question, "is it possible to add an air conditioning system to the Kennel Buildings?" The results of those studies were considered<sup>5</sup> by the County's consulting architectural team (Bacon Group, Inc., a firm with expertise in animal care facilities and shelters) and ACC staff prior to creating the scope of work for the upcoming \$21M IST funded (FY 19, 20 and 22) renewal/replacement/renovation projects slated to start in 2019. That master plan did not include either the renovation of the current kennel buildings to accommodate air conditioning or the construction of new kennel buildings with air conditioning, but does include funding for renewal/replacement of the ventilation system and acoustical panels.

However, in the event that the BCC determines that 100% outdoor air HVAC should be a programmatic requirement; Staff would recommend the construction of new kennel buildings in lieu of modifying the existing. This is due primarily to; 1) maintain operations during construction, and 2) to limit those recurring operating and maintenance costs that result from a retrofit and otherwise would not exist with a newly constructed building. Just as order of magnitude, the cost for a new kennel buildings with the same capacity designed with 100% outdoor air HVAC would range between \$5.0 and \$6.0 million total project costs. The energy costs would likely be 3-4 times greater than today and additional operational staffing would be required.<sup>6</sup>

### Donations

Staff totally appreciates the community's donation offers but such donations need to be part of a coordinated plan that identifies the specific needs. At this time, the ACC Wish List identifies those items for which a need has already been determined. On the wish list and specific to this issue are the cooling blankets which have the highest impact, lowest cost, no related impact option of all. However, Staff believes that implementation of a capital (money) campaign for any temporary or permanent option is appropriate. In addition, Staff will consider soliciting donations of goods and/or services for specific portions of the temporary and/or permanent options to be implemented. There are a number of challenging factors associated with accountability, liability, insurance, etc. in implementing the latter, but specific to the structure of the solicitation may be able to mitigate these challenges.

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<sup>5</sup> The engineer's report did indicate that there was a physical solution for introducing an air condition system into a an existing building, but did not address the architectural necessities required to support the system and estimate

<sup>6</sup> See Suave memo dated 8/14/18 relative to diversion of IST funding.

Moving forward, the main point of contact for the matter will continue to be PBC Animal Care and Control through Director of Animal Care and Control, 561-233-1250. All Facilities related questions will be referred to PBC Facilities Development and Operations and we will respond back through PBC ACC.

- C: Verdenia Baker, County Administrator
- Faye Johnson, Assistant County Administrator
- Stephanie Sejnoha, Director Public Safety
- Dianne Suave, Director Animal Care and Control
- David Walesky, ACC Operations Manager
- Jimmy Beno, Director FDO Operations
- Mark Osinga, Director Facilities Management
- Fernando DelDago, Director Capital Improvements



**MEMORANDUM  
PUBLIC SAFETY DEPARTMENT  
PALM BEACH COUNTY  
ANIMAL CARE AND CONTROL DIVISION**

**TO:** The Honorable Mayor Melissa McKinlay  
and Board of County Commissioners

**FROM:** Dianne M. Sauve, Director, Animal Care and Control

A handwritten signature in black ink, appearing to read "DMS", written over a horizontal line.

**DATE:** August 15, 2018

**RE:** Care of Shelter Dogs during Summer Months

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Animal Care and Control has become the subject of recent interest because the dog kennels are not air-conditioned. During the summer months, additional measures are taken to assure that dogs are as comfortable as possible. Summer heat is not a new phenomenon at Animal Care and Control and while the temperatures do rise during a 2 to 3 month period, we do not believe it rises to the level of a crisis. No dogs have died as a result of heat and staff are directed that dogs that may be unable to handle normal outdoor temperatures be kenneled inside.

The subject of air-conditioning the kennels has been discussed internally through the years, however air-conditioning the existing kennel poses several problems. First, air quality can become more compromised in air conditioning because bacteria, viruses, and humidity become trapped, thus increasing respiratory problems.

Although Animal Care and Control is slated for a large renovation with the penny sales-tax funding which encompasses the main building and the addition of a quarantine building for contagious dogs and cats, and a Spay-Neuter wing for low-cost and free sterilization for at-risk animals, I would not recommend that any funding be diverted away from these essential needs. However included in this Infrastructure Sales Tax funding, is funding for options to lower the temps in our kennels by increasing air-flow and air exchanges, and performing renewal/replacement on ventilation equipment.

**Current Measures:**

Because we have always worked through the few hottest months of the year without air conditioning, our staff takes the following measures:

- Advise staff to avoid placing dogs in kennels that may be unable to handle normal summer temperatures.
- Add ice in small amounts to drinking water.
- Add ice to a small section of each kennel run in order to give dogs a choice of playing with the ice cubes.

- Allow dogs in the adoption program to play outside in our play yards in kiddie pools and sprinklers.
- Monitor temps throughout the day for unusual spikes.

In addition to the above:

- We have added cooling mats to our Amazon Wish List and they are currently being used in multiple areas and with dogs that aren't destructive. The mats reportedly stay 5 to 10 degrees less than the ambient air temp. Dogs can choose to lay on them or not.

**Scheduled Improvement:**

- Our play yards have received final approval from the Fire Marshall for two additional "Chickee Huts" to span the length of these yards. These large thatched huts, built by the Seminole tribe, also stay up to 10 degrees cooler underneath. This will allow us to have the dogs outside in the afternoons playing and spending time in their kiddie pools.
- Large permanent shade umbrellas, currently used successfully at the County's aquatic parks, have also been approved to be placed in a play yard between the two adoption kennels.

The above scheduled improvements are being funded through a bequest left by an advocate of Animal Care and Control. The play yards were funded by a core group of volunteers who worked with ACC and Facilities to assure that this addition was appropriate and did not cause unintended consequences.

Cc: Verdenia C. Baker, County Administrator  
Faye W. Johnson, Assistant County Administrator  
Stephanie Sejnoha, Director, Public Safety Department  
Audrey Wolf, Director, Facilities Development and Operations

## Cat Trends

10,000  
9,000  
8,000  
7,000  
6,000  
5,000  
4,000  
3,000  
2,000  
1,000

	2014	2015	2016	2017	2018
Intake	8,574	7,344	5,716	5,251	6,024
Euthanasia	6,071	4,755	2,664	1,790	2,229
Saved	2,452	2,531	2,993	3,415	3,707
Save Rate	29%	34%	52%	65%	62%





## Dog Trends

8,000  
7,000  
6,000  
5,000  
4,000  
3,000  
2,000  
1,000

	2014	2015	2016	2017	2018
Intake	7,097	6,383	5,734	5,019	4,860
Euthanasia	1,865	1,249	1,035	654	640
Saved	5,204	5,119	4,679	4,347	4,206
Save Rate	73%	80%	82%	87%	87%