



## Wonderful Warthogs!

*Zoo Authority Report*  
**2018-2019**



# *Zoo Authority Report* **2018-2019**

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## **Wacky and Wiry!**

Warhogs, are related to pigs, boars and hogs. They have patches on their faces that look like warts, but are actually just thick growths of skin.

Warhogs are plump, hooved animals with large nostrils at the end of their snouts along with their tusks. They have little fur, except for a mane that goes down the spine to the middle of the back and a tail that ends with a tuft of hair.







**MICHELLE ROMAN**  
Chairman

**PETER HERZOG**  
Vice Chairman

**KRISTINA GARABEDIAN**  
Board Member

**KENT L. STRATFORD**  
Board Member

**PAUL A. TOSTE, DVM**  
Board Member

**RALPH WATERHOUSE**  
Board Member

7-12-14  
**LEE BRAND**  
Board Member

**MIGUEL ARIAS**  
Mayor's Alternate



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## News from The Zoo Authority



Fresno County Board of Supervisors  
Hall of Records  
2281 Tulare Street, Room 300  
Fresno, CA 936721

Dear Supervisors,

On behalf of the members of the Fresno County Zoo Authority Board, I am pleased to present our Annual Report for fiscal year 2018-19 that concluded on June 30.

Previously, we reported the number of visitors to the Fresno Chaffee Zoo on a calendar year basis. Given that this annual report is during the fiscal year, we decided to report attendance during the fiscal year as well. During 2018-29, Fresno Chaffee Zoo welcomed 815,142 visitors. This is 17,179 under 2017-18 attendance of 832,321.

This year's report features Warthogs, the latest addition to the Fresno Chaffee Zoo. The new Warthog exhibit in African Adventure opened in June of 2019. It was designed with animals' needs, zookeepers' needs, and guest experience all in mind. A highlight of this new exhibit is the inclusion of wallows for the warthogs to enjoy when temperatures rise. Guests have a chance to watch them exhibit this natural behavior through a glass viewing window that allows for a close, unobstructed view.

The Fresno Chaffee Zoo is excited to break ground on its next project, Kingdoms of Asia. This will bring updates to the center part of the Zoo, improve exhibits for existing species, and bring new species to the Zoo. Also, work will begin on a number of new buildings. The conservation building will highlight the important work Fresno Chaffee Zoo supports locally and around the world. Zooplex will be a mixed-use building that includes office space, meeting space, staff areas, and a new commissary for preparing animal diets. The Ambassador Animal building will be a new home for the Zoo's collection of ambassador animals.

In the fiscal year concluded on June 30, 2019, unaudited Measure Z proceeds received were \$15,111,821 with a total cash balance of \$44,680,524 available to Fresno Chaffee Zoo for future projects or maintenance and operations. Disbursements for expenses funded by Measure Z totaled \$12,551,247, which includes \$7,505,125 for capital improvements and \$5,046,122 for maintenance and operations.





# News from The Zoo Authority



The one-tenth of one percent sales tax proceeds for Measure Z are received into three Fresno County managed funds: one third for maintenance and operations, two thirds for capital projects, and two percent for Authority administrative costs. To date, Fresno Chaffee Zoo has been reimbursed \$49,963,651 for maintenance and operations, and \$81,571,783 for capital projects.

The Authority's administrative expenses are primarily for professional and specialized services provided by Fresno County staff, including managerial, clerical, accounting, and legal services, as well costs associated with the annual independent audit found in Appendix A.

Both the Zoo Authority Board and the Fresno's Chaffee Zoo Corporation Board are very mindful of our responsibility for Measure Z funds. Reporting on the use of these funds for oversight purposes is provided each fiscal year by Brown Armstrong Accountancy Corporation, our independent external auditor and by Fresno County Treasury staff. The Zoo Corporation's external auditor, Moss Adams LLP, and Zoo Corporation's staff also report to the Authority Board on the Zoo's audit of Measure Z funds on a calendar year basis.

I would like to welcome two new members to our Board: Kristina Garabedian and Miguel Arias. Ms. Garabedian comes to us via nomination by District 2 Supervisor, Steve Brandau. Mr. Arias is Mayor Lee Brand's alternate member. The collaborative efforts of the City of Fresno, Zoo Corporation, and the Authority are appreciated as all parties continue to guide future development of Fresno Chaffee Zoo.

We express our sincerest appreciation for long-term member, Gerald Lyles, and long-term Board Coordinator, Cathy Crosby. They provided a combined 27 years of service to the Authority!

I know you will agree that our Zoo is a special jewel in California's Central Valley, and I speak for all Authority Board members when I say that we look forward to many successful years to come.

If you have any questions regarding the Authority Board or the management of Measure Z funds, please feel free to contact me or one of our staff members at any time.

Respectfully,

*Michelle Roman*

Michelle Roman  
2020 Board Chairman  
Fresno County Zoo Authority

## Toothsome Tusks!

*Warthogs have two pairs of tusks protruding from the mouth that curve upward. The lower pair is shorter than the upper pair. The tusks become razor-sharp by rubbing against the upper pair every time the mouth is opened and closed.*

*The upper canine teeth can grow to 10 inches long and have a wide elliptical cross section, about 1.8 inches deep and 0.98 inches wide.*





# Acknowledgements



The Fresno County Zoo Authority greatly appreciates the investment of personal time and effort by board members of Fresno's Chaffee Zoo Corporation, and the cordial and collaborative relationship between the staff of the Authority and the Corporation.

We also acknowledge and appreciate the prompt and enthusiastic assistance from many Fresno County employees, without whom the needs and goals of the Zoo Authority Board could not be met.

## COUNTY ADMINISTRATIVE OFFICE

**ELIZABETH VECCHIO**, Program Technician

## AUDITOR-CONTROLLER/TREASURER-TAX COLLECTOR

**MEGAN MARKS**, Accounting & Financial Division Chief

**MANDEEP (MANDY) SANDHU**, Account Clerk

## COUNTY COUNSEL

**JOAN CUADROS**, Executive Assistant

## FRESNO COUNTY EMPLOYEES' RETIREMENT ASSOCIATION

**ELIZABETH AVALOS**, Executive Assistant

**DONALD KENDIG**, Retirement Administrator

**STEVE MAYER**, Systems Procedures Analyst I

## INTERNAL SERVICES DEPARTMENT, GRAPHIC COMMUNICATION SERVICES

**GINA BARR-HILL**, Graphic Arts Specialist

## INTERNAL SERVICES DEPARTMENT, INFORMATION TECHNOLOGY DIVISION

**IRENE MENDOZA**, Business Systems Analyst



## ANNUAL REPORT DESIGNED BY:

**GINA BARR-HILL** | Graphic Arts Specialist  
The County of Fresno, Internal Services  
Graphic Communication Services Division

## Brains Before Beauty!

*Warthogs may not be the most beautiful creatures in the Animal Kingdom, but they do possess strength, intelligence, and flexibility!*

*Warthogs are not endangered because they are so skilled at adapting to new threats. For example, most warthogs like to forage during the light of the morning and early evening, but if they live in an area where people hunt them, they switch to foraging at night.*





# Board and Staff



## 2019 ZOO AUTHORITY BOARD MEMBERS

	Position / Term Expiration	Original Appointment
<b>PAUL A. TOSTE, DVM</b> <i>Nominated by: District 1 Supervisor Brian Pacheco</i>	Board Member <i>Term Expiration: 1/3/2023</i>	2/8/2005
<b>KRISTINA GARABEDIAN</b> <i>Nominated by: District 2 Supervisor Steve Brandau</i>	Board Member <i>Term Expiration: 1/3/2023</i>	7/9/2019
<b>KENT L. STRATFORD</b> <i>Nominated by: District 3 Supervisor Sal Quintero</i>	Board Member <i>Term Expiration: 1/4/2021</i>	2/8/2005
<b>MICHELLE ROMAN</b> <i>Nominated by: District 4 Supervisor Buddy Mendes</i>	Chairman <i>Term Expiration: 1/3/2023</i>	7/14/2015
<b>PETER HERZOG</b> <i>Nominated by: District 5 Supervisor Nathan Magsig</i>	Vice Chairman <i>Term Expiration: 1/4/2021</i>	9/10/2013
<b>RALPH WATERHOUSE</b> <i>Nominated by: 2018 Board of Supervisors Chairman Sal Quintero</i>	Board Member <i>Term Expiration: 1/7/2020</i>	1/10/2006
<b>LEE BRAND</b> <i>Ex Officio - Mayor of Fresno</i>	Board Member	Upon oath of office 1/5/2017
<b>MIGUEL ARIAS</b> <i>Mayor's Appointment - Fresno City Councilmember, District 3</i>	Mayor's Alternate	1/17/2019

## 2019 ZOO AUTHORITY STAFF

Staff Member	Zoo Authority Title	County Department	County Title
<b>JEAN ROUSSEAU</b>	Administrator	County Administrative Office	County Administrative Officer
<b>CATHERINE CROSBY</b> <i>Through March 2019</i>	Coordinator	Public Works and Planning	Staff Analyst III
<b>RON ALEXANDER</b> <i>From March 2019</i>	Coordinator	County Administrative Office	Senior Administrative Analyst
<b>LINDSAY BEAVERS</b>	Counsel	County Counsel	Deputy County Counsel
<b>JOSE REYNOSO</b> <i>Through August 2019</i>	Treasurer	Auditor-Controller/ Treasurer-Tax Collector	Accountant II
<b>MEGAN MARKS</b> <i>From September 2019</i>	Treasurer	Auditor-Controller/ Treasurer-Tax Collector	Accountant & Financial Division Chief



### Burrowing In

Warthogs live in Africa's southern Sudan and southwestern Ethiopia, in savanna woodland and grasslands and are not picky about their homes. Instead of digging their own burrows, they find abandoned aardvark holes or natural burrows to move into. A burrow is where they raise their young, sleep, and hide from predators. They usually back into the burrow, so they can scare off other animals with their sharp tusks. Burrows also protect them from extreme temperatures when it's hot at noon or freezing in the middle of the night. All in all, warthogs are very comfy living inside their burrow.



# Zoorasic Park Came Roaring In!

## 2018-19 Zoo Authority Highlights

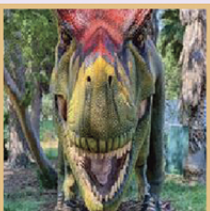
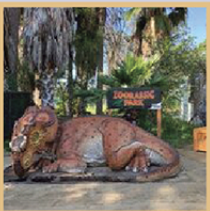


### FUNDING RESULTS HIGHLIGHTS

*A popular exhibit came roaring in to Fresno Chaffee Zoo this year: Zoorasic Park, presented by The Kirkland Foundation, a self-guided exhibit featuring 21 lifelike and life-size dinosaurs that move and make sounds. This exhibit made our guests "Re-think Extinct".*

*Patrons learned about paleontology, interacted with exhibits through special photo opportunities and attended appearances by mascots and puppets.*

*Other limited-time programs for dinosaur enthusiasts included dinosaur-themed birthday packages, paleontology summer camps, and a T-Rex adopt-an-animal campaign.*



#### 2003

- Nine-year-old Angel Arellano writes to The Fresno Bee, enclosing her \$1 donation inspiring the effort to save Fresno Chaffee Zoo.

#### 2004

- Board of Supervisors creates Zoo Authority, adopts ordinance for a special tax of 1/10th of one cent for ten years and approves placing ordinance on November ballot.
- Measure Z sales tax passes with 73.42% of votes.

#### 2006

- Fresno's Chaffee Zoo Corporation takes over operation of the Zoo from the City of Fresno.

#### 2007

- Maintenance and renovation projects throughout the Zoo

#### 2008

- Master planning and pre-design engineering in progress.

#### 2009

- Preparation of Environmental Impact Report and Roeding Park tree survey.

#### 2010

- Stingray Bay becomes a permanent exhibit.
- Dino Dig opens.
- Fresno Planning Commission certifies Roeding Park Master Plan Environmental Impact Report.

#### 2012

- Purchase of portable digital X-Ray machine.
- August-Sea Lion Cove opens; September attendance increased 93% over September 2011.

#### 2013

- King Cobra, Komodo dragon and renovated Reptile House exhibits open

#### 2014

- January construction begins on African Adventure. 75% of construction firms are local.
- Tiger cubs bring more than 100,000 Zoo visitors in April.
- 72% of voters approve Measure Z for another 10 years.
- Annual visitors surpass 700,000-an increase of 70% in 5 years.

#### 2015

- Funding approved for African animal acquisition, utilities upgrades and expansion of Dino Dig.
- October African Adventure opening increases attendance by 95% over October 2014.

#### 2016

- Between October 2015 and September 2016, the Zoo welcomed 1,020,700 visitors.
- Funding approved for expansion of Dino Dig, architectural consulting and design of Warthog exhibit, and conceptual design of African River.
- A record 964,091 guests visited the Zoo in 2016.

#### 2017

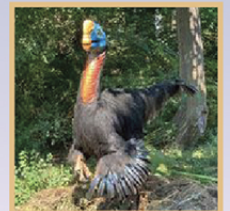
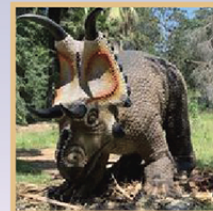
- Funding approved and projects completed for storm drain extension and lines for Wilderness Falls.
- Funding approved for schematic design African River, design of Orangutan improvements, Ambassador Animal building and construction of Wilderness Falls.

#### 2018

- Approved \$889,000 for Zooplex design.
- Approved \$267,000 for Asian Exhibits conceptual and schematic design.

### 2019 HIGHLIGHTS

- Completed Warthog exhibit construction.
- Completed South Corridor Infrastructure Project construction of new utilities including fiber optic, electric, water, storm water and sewer lines.





## UNAUDITED EXHIBITS

### From the Treasurer

#### EXHIBIT A

Fresno County Zoo Authority  
Cash Balance

#### EXHIBIT B

Cash Disbursement  
by Category to Fresno's Chaffee  
Zoo Corporation during Fiscal Year 2018-19

#### EXHIBIT C

Cash Disbursements by Fund to Fresno's Chaffee  
Zoo Corporation during Fiscal Year 2018-19

#### EXHIBIT D

Fresno County Zoo Authority Measure Z  
Sales Tax Proceeds Budget (Cash Basis)  
for Fiscal Year Ended June 30, 2019

#### EXHIBIT E

Fresno County Zoo Authority Measure Z  
Sales Tax Proceeds (Cash Basis) by  
Fiscal Year From Inception  
to June 30, 2019

### New Arrivals at the Zoo!

#### Welcomed into the Orangutan Family

##### Hantu

*The name Hantu translates to the word  
"ghost" in Malay folklore because Orangutans  
are often referred to as "ghosts of the forest"*



**Total animals  
welcomed to  
our family  
this year:**

**31**

**Amphibians**

**12**

**Reptiles**

**11**

**Birds**

**6**

**Mammals**



#### Welcomed into the Rhino Family

##### Kito

*The name Kito translates  
to the word "precious".  
And our new baby rhino really is!*





## UNAUDITED EXHIBITS

## From the Treasurer

## EXHIBIT A, B &amp; C

Top of the chain animals such as lions, cheetahs, leopards, hyenas, and eagles all like to snack on a tasty warthog if given the chance. However, because warthogs have longer legs than other swine, it allows them to run away from predators at a top speed up to 34 miles per hour. So, warthogs don't have time to wipe the sleep from their eyes. When they leave their cozy burrow, they must take off at top speed in case any predators are waiting for them!

**EXHIBIT A: Measure Z Cash Balance**

As of June 30, 2019

## CASH AVAILABLE FOR ADMINISTRATION (2%)

Fresno County Zoo Authority

1,746,943

## CASH FOR ZOOLOGICAL ACTIVITIES (98%)

Operations

8,006,388

Capital Projects

34,927,193

Total Cash Available for Zoological Activities

42,933,581

**TOTAL CASH BALANCE as of June 30, 2019****\$44,680,524****EXHIBIT B: Cash Disbursements by Category to Fresno's Chaffee Zoo Corporation**

During Fiscal Year 2018-19

## FOR OPERATIONS

Salaries &amp; Benefits

3,956,286

Animal Feed

460,937

Utilities

628,619

Bank Charges

280

**TOTAL OPERATIONS Disbursed to FCZC During Fiscal Year 2018-19****\$5,046,122**

## FOR CAPITAL PROJECTS

Capital Improvements

7,505,125

Total Capital Projects Disbursed  
to FCZC During Fiscal Year 2018-19

\$7,505,125

**TOTAL FCZC DISBURSEMENTS****\$12,551,247****EXHIBIT C: Fiscal Year Disbursements by Fund to Fresno Chaffee Zoo Corporation**

FROM INCEPTION TO JUNE 30, 2018 (FIRST 10 YEARS)

FY 2006-16

Operations 35,977,941

Capital Projects 70,165,081

Total Disbursements \$106,143,022

Total Disbursements

FY 2017

Operations 4,443,979

Capital Projects 130,686

TOTAL DISBURSEMENTS \$4,574,665

Total Disbursements

FY 2018

Operations 4,495,609

Capital Projects 3,770,891

TOTAL DISBURSEMENTS \$8,266,500

Total Disbursements

FY 2019

Operations 5,046,122

Capital Projects 7,505,125

TOTAL DISBURSEMENTS \$12,551,247

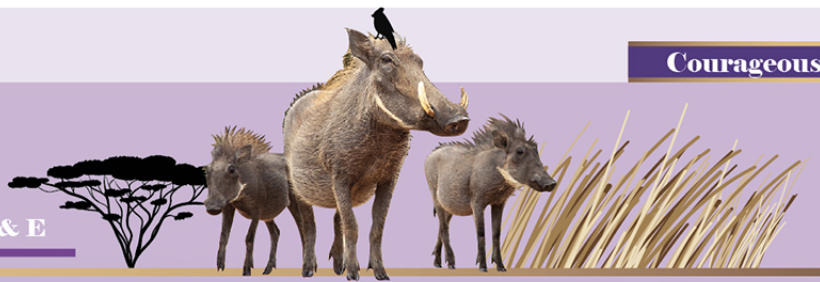
**TOTAL RECAP  
2006-2019****Operations 49,963,651****Capital Projects 81,571,783****\$131,535,434**



# UNAUDITED EXHIBITS

## From the Treasurer

### EXHIBIT D & E



*It's not easy to catch a warthog as they are very good at dodging and running and are not afraid to fight. They use their sharp lower canine teeth (which look like straight tusks) as weapons while squealing at the top of their lungs! When they walk, their tail hangs down, but when they run, their tail sticks up, with the bushy tip hanging down which serves as a warning to other warthogs if danger is near.*

#### EXHIBIT D: Fresno County Zoo Authority Measure Z Sales Tax Proceeds Budget (Cash Basis)

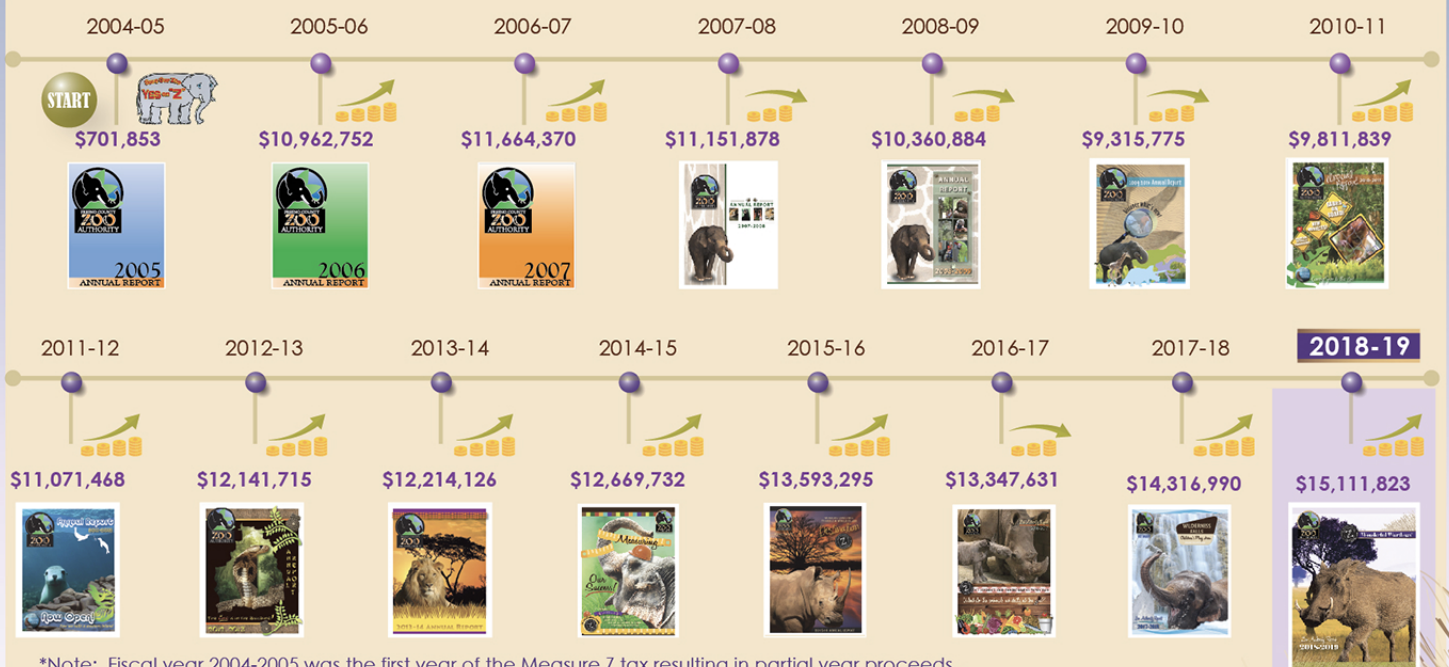
For the Fiscal Year Ended June 30, 2019

JULY 2018	AUGUST 2018	SEPTEMBER 2018	OCTOBER 2018	NOVEMBER 2018	DECEMBER 2018	
BUDGET \$940,108	BUDGET \$1,228,590	BUDGET \$1,377,242	BUDGET \$951,966	BUDGET \$1,231,956	BUDGET \$1,408,993	<b>TOTAL BUDGET FOR 2018-19</b>
ACTUAL \$1,227,435	ACTUAL \$928,052	ACTUAL \$1,171,132	ACTUAL \$1,619,199	ACTUAL \$1,531,072	ACTUAL \$1,392,262	BUDGET \$13,567,846
JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	
BUDGET \$923,343	BUDGET \$1,234,124	BUDGET \$1,377,986	BUDGET \$839,438	BUDGET \$1,040,643	BUDGET \$1,013,457	<b>ACTUAL BUDGET FOR 2018-19</b>
ACTUAL \$1,345,542	ACTUAL \$1,118,789	ACTUAL \$1,327,543	ACTUAL \$1,318,821	ACTUAL \$868,850	ACTUAL \$1,263,124	ACTUAL \$15,111,821

#### EXHIBIT E: Fresno County Zoo Authority Measure Z Sales Tax Proceeds (Cash Basis)

By Fiscal Year From Inception to June 30, 2019

Total Measure Z Proceeds (Cash Basis) from Inception to 6/30/19: **\$168,436,131**



\*Note: Fiscal year 2004-2005 was the first year of the Measure Z tax resulting in partial year proceeds.



## INTRODUCTION TO AUDITED FINANCIAL STATEMENTS

*Audited Financial Statements*

The Zoo Authority's financial statements for fiscal year ended June 30, 2019 were audited by Brown Armstrong, Certified Public Accountants, which is an independent accounting firm. The audit was conducted in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. These audited financial statements, as well as the independent auditor's report are presented in Appendix A. The notes to the financial statements should be read in conjunction with the statements as they are an integral part of the statements and provide disclosures required by generally accepted accounting principles (GAAP).

Financial highlights can be found on page 3 of the financial statements. Additional information, which is an integral part of the financial statements, can be found on pages 16-21.

Financial information for administration by the Zoo Authority is presented in pages 9-12. Financial information in relation to the operations and capital projects trust funds (funds for zoological purposes) is presented in pages 13-14.

As further discussed on page 19 of the financial statements, the Authority adopted an operating budget for fiscal year ended June 30, 2019. The variation between estimated and actual revenue and expenditures is presented in the Budgetary Comparison Schedule on page 24.

## DISBURSEMENTS TO FRESNO'S CHAFFEE ZOO CORPORATION

During fiscal year 2019, a total of \$12,551,247 was disbursed to the Fresno's Chaffee Zoo Corporation; \$5,046,122 for operations and \$7,505,125 for capital projects.<sup>1</sup> The Statement of Fiduciary Net Position on page 13 presents cash balances available for operations and capital projects to be used for Zoological purposes as of June 30, 2019. This statement also presents funds held in trust for operations and capital projects based on the accrual basis of accounting.

<sup>1</sup> Due to the time required to prepare the Annual Report prior to the completion of the independent audit, the Authority has included cash basis figures from the June 30, 2019 Treasurer's Report for the front pages. These differ from the figures in the audit, dated December 5, 2019.



**ANIMALS! • FAMILIES! • ICE CREAM! • FUN! • ALL IN ONE DAY!**



**FUN AT THE ZOO DURING ICE CREAM ZOOFARI 2019**



## Appendix A

### Oh, to be a Warthog!

Warthogs are wiley, winning, winsome,  
wonderful, woolly, wrathful, and weird.

Warthogs are willful, wanton, warlike,  
wiggly, woozy, and might sport a beard.

Warthogs are wobbly, wide eyed,  
worthy, whimsical, and can run  
at speeds like a bull.

But most of all, if we have to brag,  
warthogs are simply, truly...

# Wonderful!

