

Durham – Where Great Things Happen

www.durhamnc.gov

### Introduction

#### **Aquatic Facilities Master Plan Process**

- 2015 Pool Assessment Study Completed
- RATIO and Counsilman-Hunsaker began the Master Plan project in July 2016.
- Phases of the process
  - Data Collection and Needs Assessment
  - Conceptual Plan Options and Recommendations
  - Final Master Plan



#### **Goals of the Master Plan**

### Introduction

- To guide the future development of Aquatic Facilities for the City of Durham
- Provide facilities for the entire community
- Determine the specific needs for the City of Durham
- To meet the needs of four user groups
  - Recreation
  - Instruction
  - Competition
  - Therapy and Wellness



3









- Findings of the Needs Assessment informed the Master Plan Recommendations
- Public Outreach played a significant part of the Assessment and consisted of:
  - Survey: over 500 responses received
  - Stakeholder Meetings: 6 stakeholder groups
  - Open House Public Events
  - Pop-Up Events
- Data Collection
- 'Want' vs. 'Need'



DURHAM

#### **Key Findings**

Survey

- 54% wanted more indoor pools
- 67% go to other communities to use their facilities
- 89% say they would pay more to use an amenity they wanted in a new aquatic center
- 43% wanted more lap lanes
- Lap swimming, public recreational swimming and swim lessons were the services that were used most at existing facilities.



#### **Key Findings**

Stakeholder Input

- Strong desire for aquatic opportunities amongst all user groups
- Multi-Generational facilities are needed



- Teaching children to swim is a high priority
- Accessible to everyone /social equality
- Need competition pools
- Perception that Durham is largely underserved
- Wanted Convenient locations



#### **Key Findings**

Public Workshops and Popups

- Many residents are unaware of current facilities
- Enthusiasm for a broader range of recreational activities
- Want a deep 50m competition pool
- Connectivity- Locate pools with access to American
  Tobacco Trail or other greenways and trails
- North, West and South Durham need outdoor pools



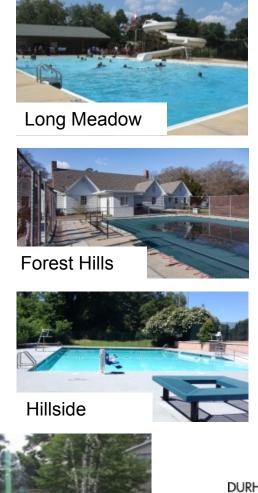


#### **Review of the 2015 Durham Pools Assessment Findings**

- Long Meadow Pool and Forest Hills Pool will reach end of useful lifespan in 3-5 years
- Hillside, Edison Johnson and Campus Hills will reach the end of lifespan in 25-30 years
- Issues of functional obsolescence
- Capacity issues







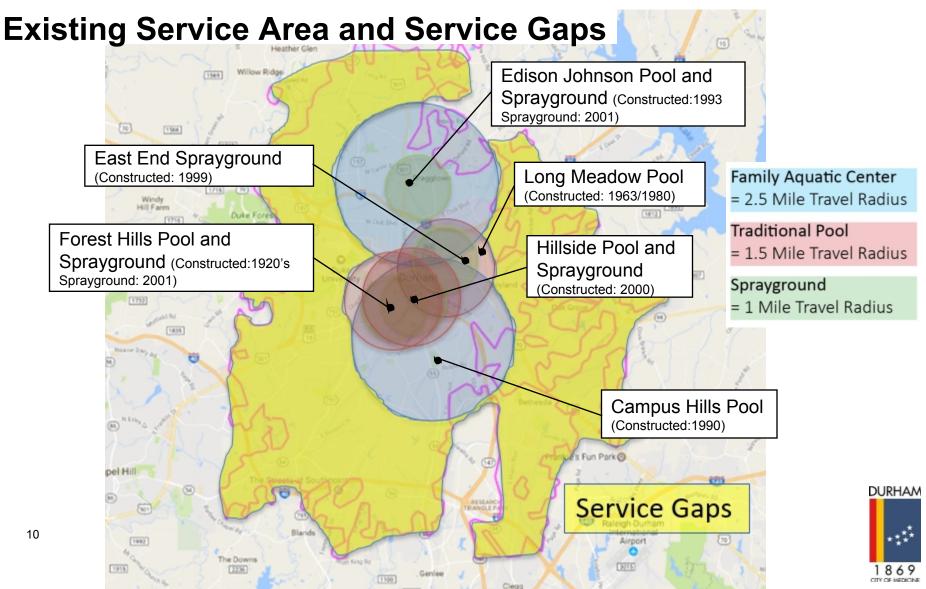




#### **Benchmark Cities Aquatic Facilities**

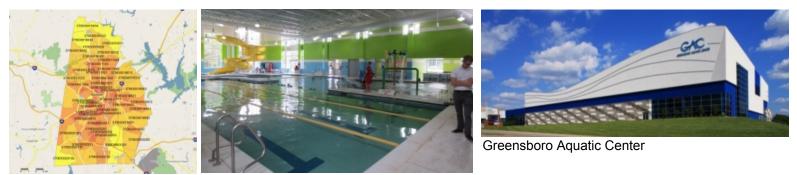
City	Population	Municipal Pools	Residents per Pool	Existing Lanes	USA Swimming Lane Recommendations**				
Durham, NC	254,600	5	50,920	16	55				
Baton Rouge, LA	228,895	4	57,224	0	50				
Greensboro, NC	269,666	6	44,944	32	59				
Norfolk, VA	242,803	7	34,686	24	53				
Raleigh, NC	439,896	9	48,877	26	97				
Richmond, VA	204,214	9	22,690	9	45				
Little Rock, AR	197,357	1	197,357	6	43				
Augusta, GA	197,872	5	39,574	30	44				
Shreveport, LA	200,327	5	40,065	0	44				
Winston-Salem, NC	236,441	8	29,555	0	52				
Montgomery, AL	201,332	4	50,333	4	44				
AVERAGE	241,880	6	56,531						
Durham, NC*	254,600	3	84,867	16	55				
*Reflects attendance figures when Forest Hills and Long Meadow pools are taken offline.									
** Recommended lanes based on current population.									
Source: Counsilman-Hunsaker									





#### **Planning for the Future**

- Plan for future growth 2016 population 254,000
  Expected 2032 population- over 328,000
- Current aquatic needs of residents are not being met
- Residents traveling to other communities' aquatic facilities
- Moving forward, keep pace with peer communities



Population Density Map

Buffaloe Road Aquatic Center, Raleigh



#### Lane space per population

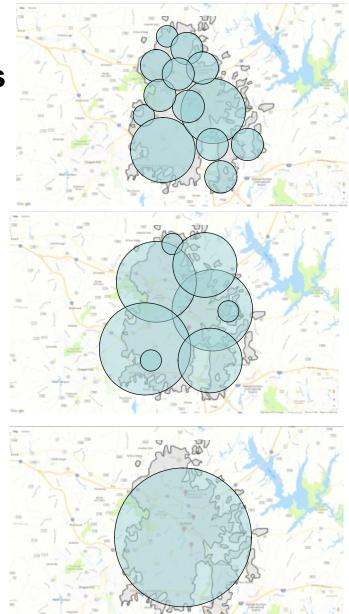
- According to industry standards, a total of 71 year round lanes should be provided within 15 years to serve the growing population per USA Swimming recommendations
- 16 year round lanes currently available at Edison Johnson and Campus Hills
- <u>Recommendation</u>: Provide 55 additional year-round lanes



#### Aquatics use per population

- Industry Standard recommends a 1:1 ratio of attendance : population
- 15 year projected annual attendance 328,231 swimmers
  - Current annual attendance- 60,000
  - Current annual attendance at other Durham area providersapproximately 40,000- 60,000 combined
- <u>Recommendation</u>: Provide for an attendance of over 328,000 swimmers per year
  - Service Area Gaps
  - Functional Obsolescence





# DURHAM

#### **Planning Approaches**

• Neighborhood

Regional

Central

Neighborhood Approach	Regional Approach	Central Approach			
Offers small facilities with one body of water for each neighborhood.	Offers multiple medium facilities, each with multiple bodies of water located throughout the community.	Offers one large centralized facility with multiple bodies of water to serve the entire community.			
<u>Pros</u> Walkability Flexibility for Phasing	<u>Pros</u> Lower annual subsidy Relatively easy access Flexibility for Phasing	Pros Better efficiencies in operations, maintenance and staffing			
Cons Least efficient to build and to operate/maintain	<u>Cons</u> Less convenient than the Neighborhood approach	<u>Cons</u> Not easily accessed by many in the City Difficult to site and to phase			



### Master Plan Recommendation

## The Regional Approach is recommended as the best way forward for Durham

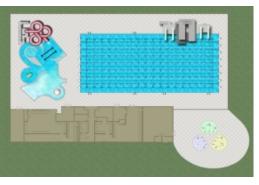
- Formed through analysis of the Needs Assessment and meetings with City Staff and Key Stakeholders
- Offers multiple facilities, several with multiple bodies of water, located throughout the community
- Lowest annual subsidy
- All four use groups addressed
- Convenient locations



### **Recommended Facility Types**



High Priority Large Outdoor (1) 50M Lanes Waterslides Beach Entry Lazy River Play Structure \$18,300,000\*



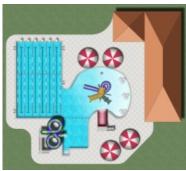
High Priority

Large Indoor with Sprayground (1) 50M Lanes Waterslides Lazy River Beach Entry Diving Platforms Sprayground \$23,900,000\*



High Priority Sprayground (1) Water Features Shade Structures Attached to some facilities \$840,000\*

Future Priority Medium Indoor 25M x 25Y lap lanes Beach Entry Lazy River 1M Diving Waterslide \$19,400,000\*



Future Priority Small Outdoor 25Y Lap Lanes Beach Entry Tot Slide Play Structure Waterslide \$6,400,000\*

\*Does not include land acquisition



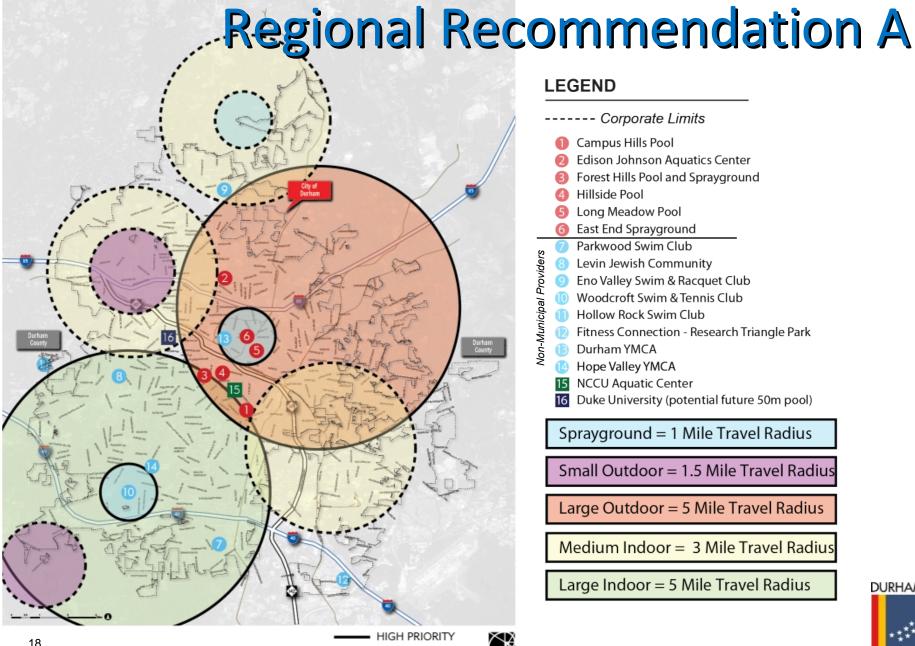


Future Priority

Medium Indoor with Small Outdoor Amenities from both facilities. Lap lanes removed from Small Outdoor \$24,100,000\*

*Future Priority* <u>Medium Indoor with Sprayground</u> Amenities from medium indoor facility with sprayground \$20,500,000\*





### LEGEND



DURHAM

FUTURE PRIORITY

### **Regional Recommendation A**

									Recapture
Priority	Facility	Р	roject Cost	Attendance	F	Revenue	Expenses	Cashflow	Rate
High	Large Outdoor	\$	18,300,000	48,060	\$	370,981	\$ 686,314	\$ (315,333)	54%
Priority	Large Indoor and Sprayground	\$	23,900,000	50,844	\$	545,317	\$ 1,272,956	\$ (727,639)	43%
Flority	Sprayground	\$	840,000	7,209	\$	-	\$ 39,240	\$ (39,240)	0%
	Medium Indoor and Sprayground	\$	20,500,000	45,759	\$	404,023	\$ 1,344,979	\$ (940,956)	30%
Future	Medium Indoor	\$	19,400,000	45,759	\$	404,023	\$ 1,302,120	\$ (898,096)	31%
Priority	Medium Indoor and Small Outdoor	\$	24,100,000	50,844	\$	438,523	\$ 1,548,223	\$ (1,109,700)	28%
	Small Outdoor	\$	6,400,000	25,953	\$	158,073	\$ 321,030	\$ (162,957)	49%
	Current Offerings	\$	-	38,000	\$	150,699	\$ 835,541	\$ (684,842)	18%
	Total	\$	113,440,000	305,219	\$	2,471,640	\$ 7,350,403	\$ (4,878,763)	34%

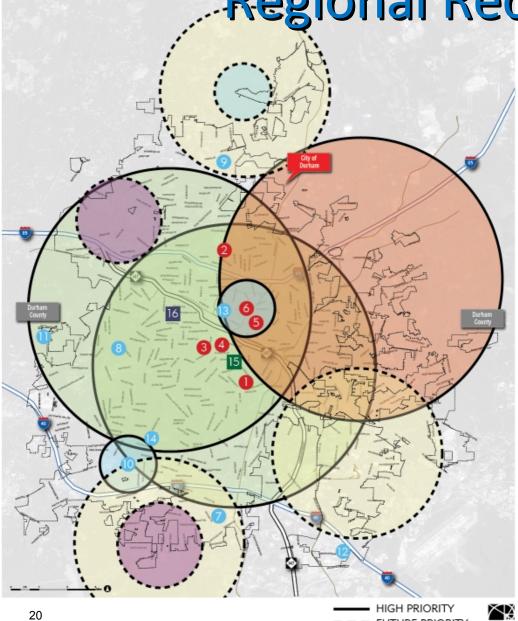
#### Total Cost: \$113,440,000

- High Priority: \$43,040,000
- Future Priority: \$70,400,000
- Does not include land acquisition
- Lap lanes at buildout-71 year round, 28 outdoor





### **Regional Recommendation B**



#### LEGEND





FUTURE PRIORITY

### **Partnership Considerations**

#### **Exploring Potential Partnership Opportunities**

- Duke University
- North Carolina Central University
- Durham Public Schools







### Summary

#### **Regional Recommendation A**

- 7 New Facilities (3 of existing 5 facilities will remain)
- \$113,440,000 total project cost (in 2017 dollars with 10% escalation) does not include land
- 71 year round lanes, 28 outdoor lanes (includes 16 existing lanes from Campus Hills and Edison Johnson).
- Future yearly attendance at over 300,000 5x current







### Next Steps

#### **Next Steps**

- Continue conversations with potential partners
- Funding Options
- Utilize site selection criteria from Master Plan to explore potential new sites
- Perform feasibility studies
- Land acquisition
- Design



