

Mayor Elise Partin	Mayor Pro-Tem James E. Jenkins	Council Members Phil Carter Ann Bailey-Robinson Tim James	City Manager Tracy Hegler	Assistant City Manager James E. Crosland
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City of Cayce
Public Hearing and Regular Council Meeting
Wednesday, October 21, 2020 at 5:00 p.m.
Cayce City Hall is currently closed to the public.
Please use the following method to attend the Council Meeting:

Virtual Attendance, click

<https://us02web.zoom.us/j/81908505265?pwd=SDZGclZ0dXdJeXBVaWJQbkZDWjFHZz09>

or
Telephone: 1-929-205-6099
Meeting ID: 819 0850 5265
Passcode: 617506
caycesc.gov

PUBLIC HEARING ON THE ESTABLISHMENT OF A NEW FEE RELATED TO HOLDING A SPECIAL EVENT IN THE CITY OF CAYCE AND NEW FEE AMOUNT

Special Note: Anyone wishing to speak at the Public Hearing will need to call the City Clerk at 803-550-9557 by 11:00 a.m. the day of the Council Meeting. Please leave a voicemail and your call will be returned before the Council Meeting.

- I. Opening Statement
- II. Public Testimony
- III. Close Hearing

REGULAR COUNCIL MEETING

- I. **Call to Order**
 - A. Invocation and Pledge of Allegiance
- II. **Public Comment Regarding Items on the Agenda**

Special Note: Anyone wishing to speak to Council about an item not on the agenda will need to call the City Clerk at 803-550-9557 by 12:00 p.m. the Friday prior to the Council Meeting. Anyone wishing to speak on an item on the Agenda will need to call the City Clerk at 803-550-9557 by 11:00 a.m. the day of the Council Meeting. Please leave a voicemail and your call will be returned before the Council Meeting.

- III. **Presentations**
 - A. Presentation of the Midlands Regional Competiveness Report by Mr. Will Schenk

IV. Resolutions and Ordinances

- A. Approval of Resolution Supporting the City's Safety Policy Statement
- B. Discussion and Approval of Ordinance 2020-34 Amending Sec. 2-225 of the City Code Concerning Attendance of Volunteer Members of City Boards, Commissions and Committees – Second Reading
- C. Discussion and Approval of Ordinance 2020-35 Amending the City Business License Ordinance to Provide a Specific Business License Tax for Certain Special Event Promoters – First Reading

V. Discussion Items

- A. Discussion and Possible Action of Proposed Lexington County Stormwater Utility Fee
- B. Ratification and Approval of City Manager's Authorization of Contingency Change Order for Riverwalk Phase 2 Boardwalk Repair
- C. Discussion and Approval to Convert all City Street Lights from High Intensity Discharge (HID) to Light Emitting Diode (LED)
- D. Discussion and Approval of Agreement with American Engineering and MR Systems for Upgrades to the City's Water Plant's Supervisor Control and Data Acquisition (SCADA) System

VI. Committee Matters

- A. Appointments and Reappointments
Cayce Historical Museum Commission – One (1) Position
Cayce Municipal Election Commission – One (1) Position

VII. City Manager's Report

VIII. Council Comments

IX. Executive Session

- A. Receipt of legal advice relating to claims and potential claims by and against the City and other matters covered by the attorney-client privilege
- B. Receipt of legal advice and discussion of negotiations incident to proposed contractual arrangements with Lexington County concerning inclusion of certain property in Joint County Industrial Park

X. Reconvene

XI. Possible Actions by Council in follow up to Executive Session

XII. Adjourn

SPECIAL NOTE: Upon request, the City of Cayce will provide this document in whatever form necessary for the physically challenged or impaired.

NOTICE OF PUBLIC HEARING ON THE ESTABLISHMENT OF A NEW FEE AND FEE AMOUNT

Cayce City Hall is currently closed to the public.

Please use the following method to attend the Public Hearing and Council Meeting:

Date: October 21, 2020

Time: 5:00 p.m.

Telephone: 1 929-205-6099

Meeting ID: 819 0850 5265

Password: 617506

caycesc.gov

Notice is hereby given that members of Council of the City of Cayce will hold a Public Hearing for the purpose of obtaining public comment on the establishment of a new fee related to holding a special event in the City of Cayce:

One day:

On gross income up to \$2,000....\$50

On gross income between \$2,001 and \$10,000\$100

On gross income over \$10,000:

Minimum on first \$10,000...\$200

\$1,000, or fraction, over \$10,000...\$5.10

Two or more days:

Minimum on first \$2,000...\$200

\$1,000, or fraction, over \$2,000\$5.10

A listing of the new fee and fee amount is available for inspection at Cayce City Hall and on the City website at www.caycesc.gov.

The new fee is for holding a special event in the City of Cayce.

The general public and other interested parties are encouraged to attend this public hearing. Questions regarding this matter and/or review of documents relating to this matter are available for public inspection in the City Manager's Office, City of Cayce.

First reading and vote by the Council on the proposed fee will be held immediately following the Public Hearing.

ITEM III. A.

2019-20

Midlands Regional Competitiveness Report

engenuity^{SC}™

Our Mission

Governed by the highest-ranking regional leaders in education, government and business, EngenuitySC is a nonprofit that works to make the Columbia, S.C., region a standout choice for top talent and competitive companies.

Structured as a neutral and independent project management team, EngenuitySC is a trusted force, working behind the scenes to build a community cultivated for living, working, playing and learning.

Our Vision

By 2030, the Columbia MSA will be one of the Southeast's **most competitive and prosperous metros** - measured by being in the top three of every index in the Midlands Regional Competitiveness Report when compared to our peers - propelled by EngenuitySC projects and collaborations.

Platinum Sponsor



Gold Sponsors



Silver Sponsors



Bronze Sponsors

Aflac

Arnold Companies

BullStreet District

Central Carolina Community Foundation

City Center Partnership

Chernoff Newman

Colliers International | South Carolina

Greater Columbia Chamber of Commerce

First Citizens Bank

First Community Bank

Greater Lexington Chamber and
Visitors Center

John Lumpkin

Lexington Medical Center

LLE Construction

Nelson Mullins

SCRA

Synovus

The Cason Group

Public and Education Partners



City of West Columbia
Bridging Past, Present and Future



BLYTHEWOOD
SOUTH CAROLINA



UNIVERSITY OF
SOUTH CAROLINA



MIDLANDS
TECHNICAL COLLEGE



RICHLAND ONE
ENGAGE • EDUCATE • EMPOWER

An aerial night photograph of a city. In the foreground, a multi-lane highway interchange is illuminated, with light trails from cars. To the right, a river flows through a wooded area, with a wooden walkway or bridge crossing it. In the background, the city skyline is visible against a dark sky, with various buildings and lights.

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2019-20 Midlands Regional COMPETITIVENESS REPORT

TALENT | INNOVATION | ENTREPRENEURIAL & BUSINESS ENVIRONMENT | INDUSTRY CLUSTERS | LIVABILITY

Indicators of Competitive Communities

Talent

A region's ability to attract, develop and maintain a vibrant and skilled workforce

Innovative Capacity

A region's capacity to support the creation of new ideas, products and processes

Entrepreneurial & Business Environment

A region's relative ease of doing business and the strength of the support system for the startup, growth and maintenance of businesses

Industry Clusters

A region's ability to sustain and grow high impact industries that are competitive on an international scale

Livability

A region's ability to build an inclusive and dynamic live, learn, work and play environment



Columbia, SC MSA

Population: 832,666



Peer MSAs

Shown in order of population

- 1. Raleigh, NC MSA***
Population: 1,362,540
- 2. Greenville-Anderson-Mauldin, SC MSA**
Population: 909,626
- 3. Knoxville, TN MSA**
Population: 883,309
- 4. Columbia, SC MSA**
Population: 832,666
- 5. Charleston-North Charleston, SC MSA**
Population: 787,643
- 6. Greensboro-High Point, NC MSA**
Population: 767,711
- 7. Winston-Salem, NC MSA**
Population: 671,456
- 8. Augusta-Richmond County, GA-SC MSA**
Population: 604,167
- 9. Lexington-Fayette, KY MSA**
Population: 516,697
- 10. Tallahassee, FL MSA**
Population: 385,145

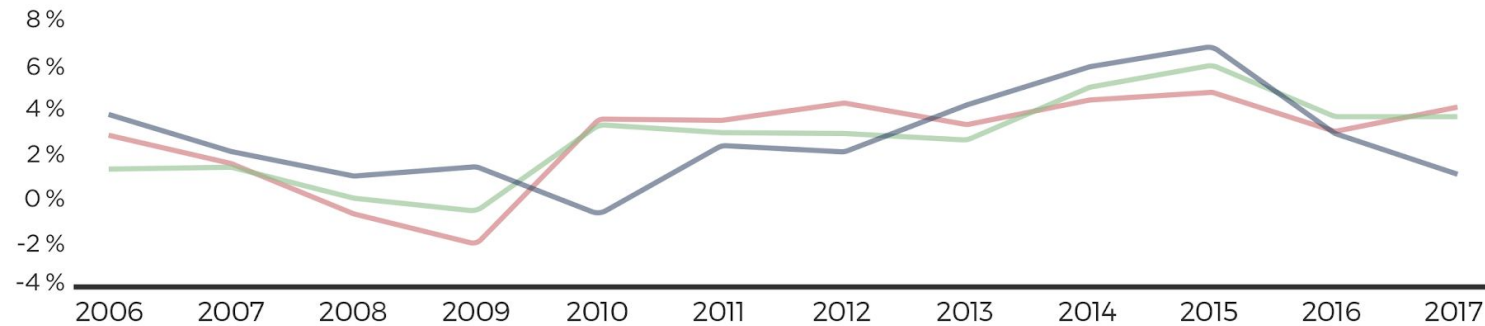
**Raleigh is an aspirational MSA, meaning it serves as a target for Columbia, as opposed to a peer MSA.*

Population data source: US Census Bureau, 2018 Census Bureau Estimates

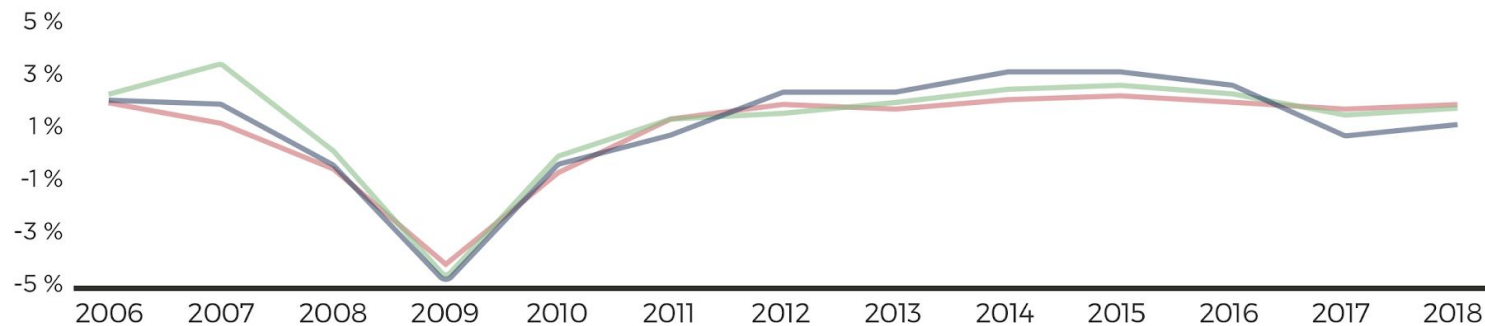
The Big Picture

Key: — Columbia MSA — Peer Average — U.S. Average

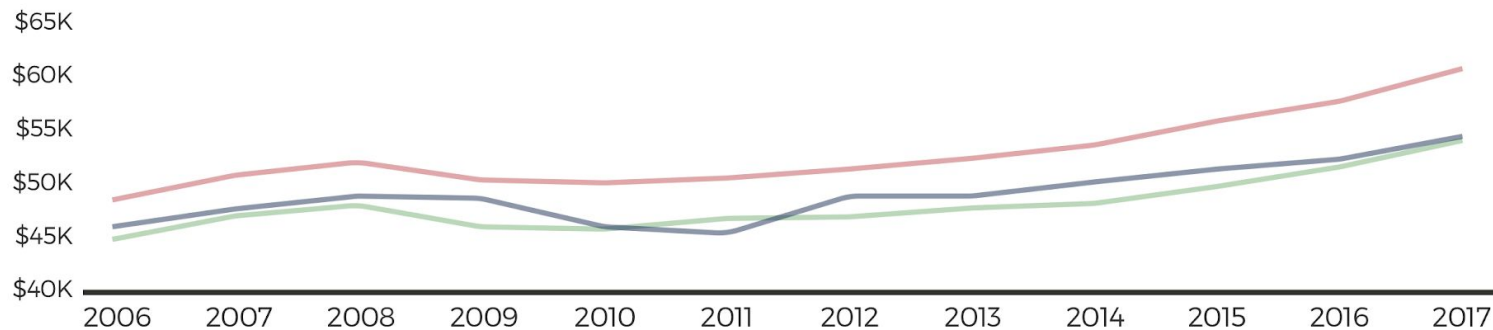
\$ GDP Annual Growth Rate | 2006 - 2017 *Source | U.S. Bureau of Economic Analysis*



👤 Year-Over-Year Employment Growth Rate | 2006-2018 *Source | U.S. Bureau of Labor Statistics*



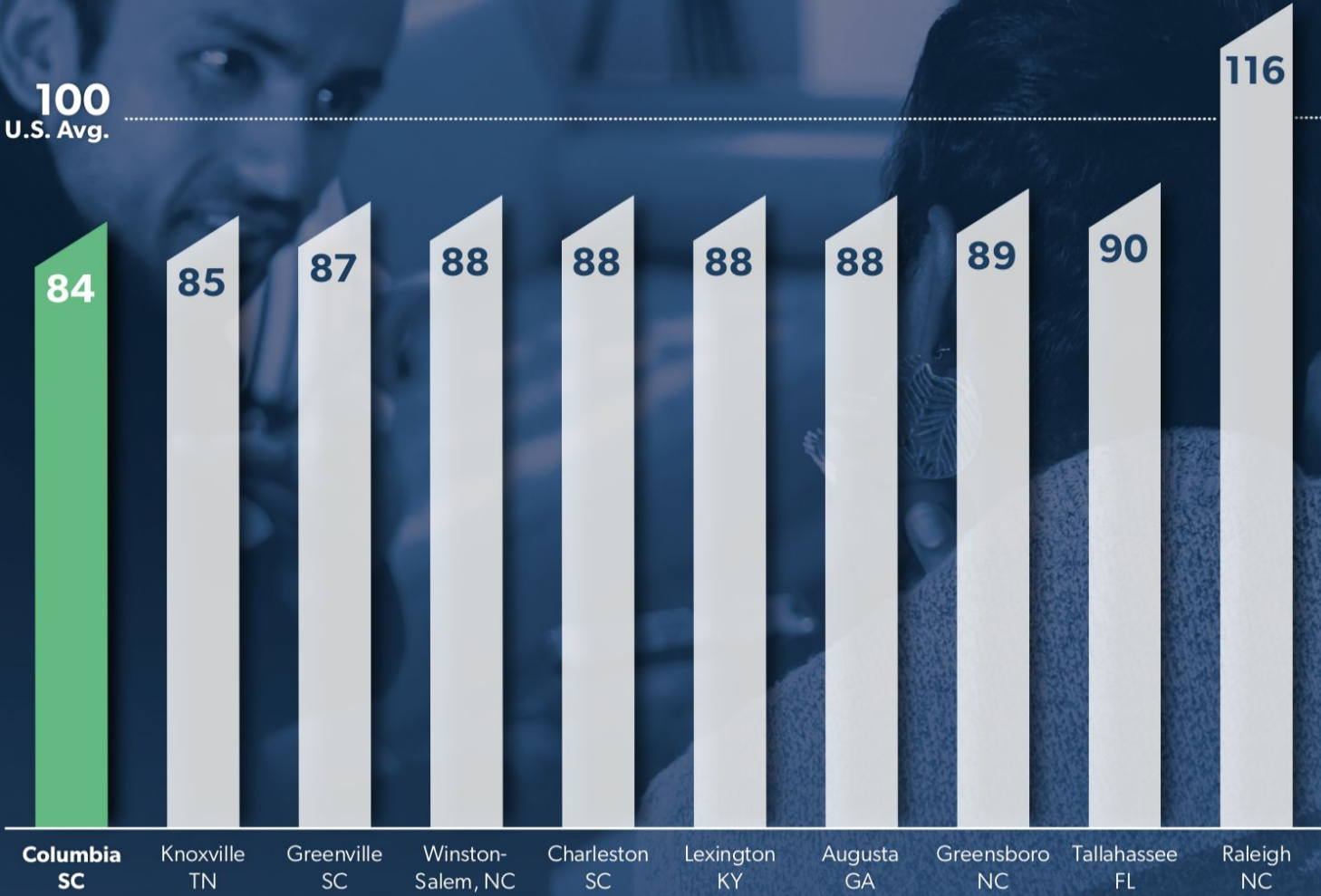
🏠 Household Income | 2006-2017 *Source | U.S. Bureau of Labor Statistics*



Talent

A region's ability to attract, develop and maintain a vibrant and skilled workforce

100
U.S. Avg.



The Metrics

GDP per Worker:

Measures a regional workforce's productivity

7th/10

STEM Degrees:

Percentage of degrees awarded in science, technology, engineering and math

8th/10

STEM Salaries:

Weighted average salaries in STEM occupations

9th/10

Knowledge Workers:

Percentage of population employed in knowledge-intensive occupations such as management, legal and STEM

5th/10

Educational Attainment:

Percentage of population with:
Associate's degree

7th/10

Bachelor's degree or higher

5th/10

Global Talent:

Percentage of population that is foreign-born

7th/10

OVERALL RANKING OVER TIME

2014	2015	2016	2017	2018	2019-20
5 th	7 th	8 th	7 th	8 th	10 th

Share This

- Our region's largest business school, the UofSC Darla Moore School of Business, just graduated its **largest-ever class** - 1,086 students, all experienced in working with data and code

Pursue This

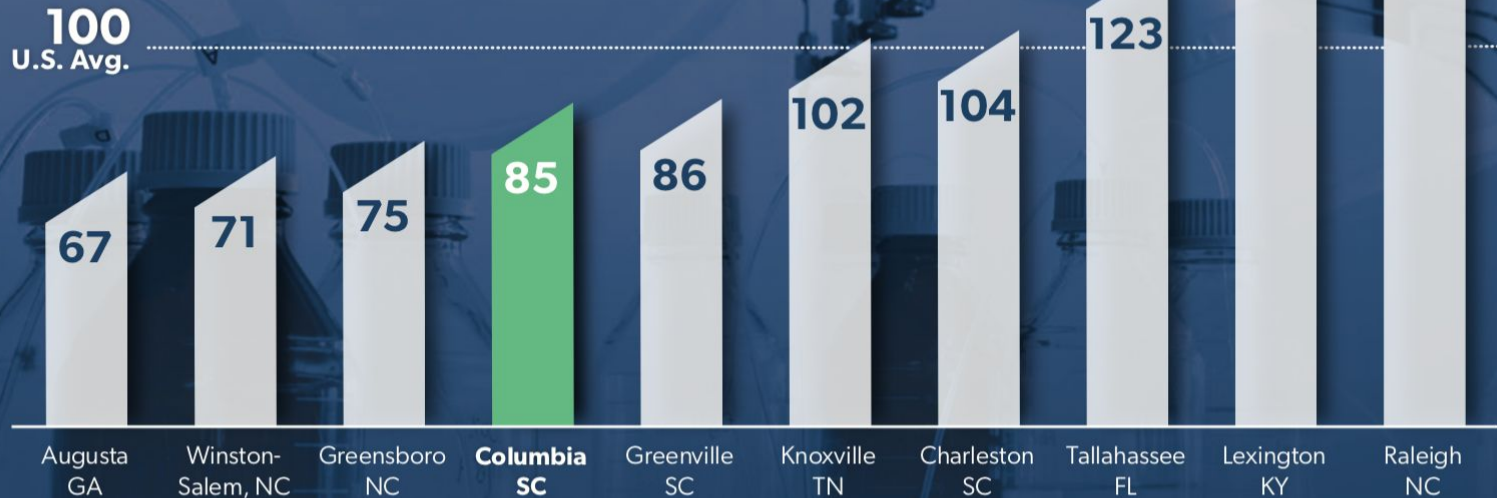
- Focus economic development efforts on attracting, building and retaining skilled talent that fills industry needs outlined in the **Deloitte regional strategic planning** initiative

Innovative Capacity

A region's capacity to support the creation of new ideas, products and processes

What are SBIR and STTR awards?

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs are two of the largest sources of early-stage capital for technology commercialization in the United States. They allow US-owned-and-operated small businesses to engage in federal research and development that has a strong potential for commercialization. SBIR awards can be procured directly by small businesses, while STTR awards require formal collaboration with a research institution.



The Metrics

Innovation Awards:

SBIR and STTR Awards per 100,000 residents

8th/10

University Research & Development Expenditures:

University and college R&D expenditures per 1,000 people

7th/10

Academic Achievement:

Percent of population aged 25 years and older holding a graduate degree

5th/10

Research & Development: Funding:

Amount awarded from all sources per 1,000 people

7th/10



Innovative Capacity

Share This

- The **McNAIR Aerospace Center** partners with global industry leaders for cutting-edge research across multiple fields, including **advanced composites, predictive maintenance analytics** and **unmanned vehicles**

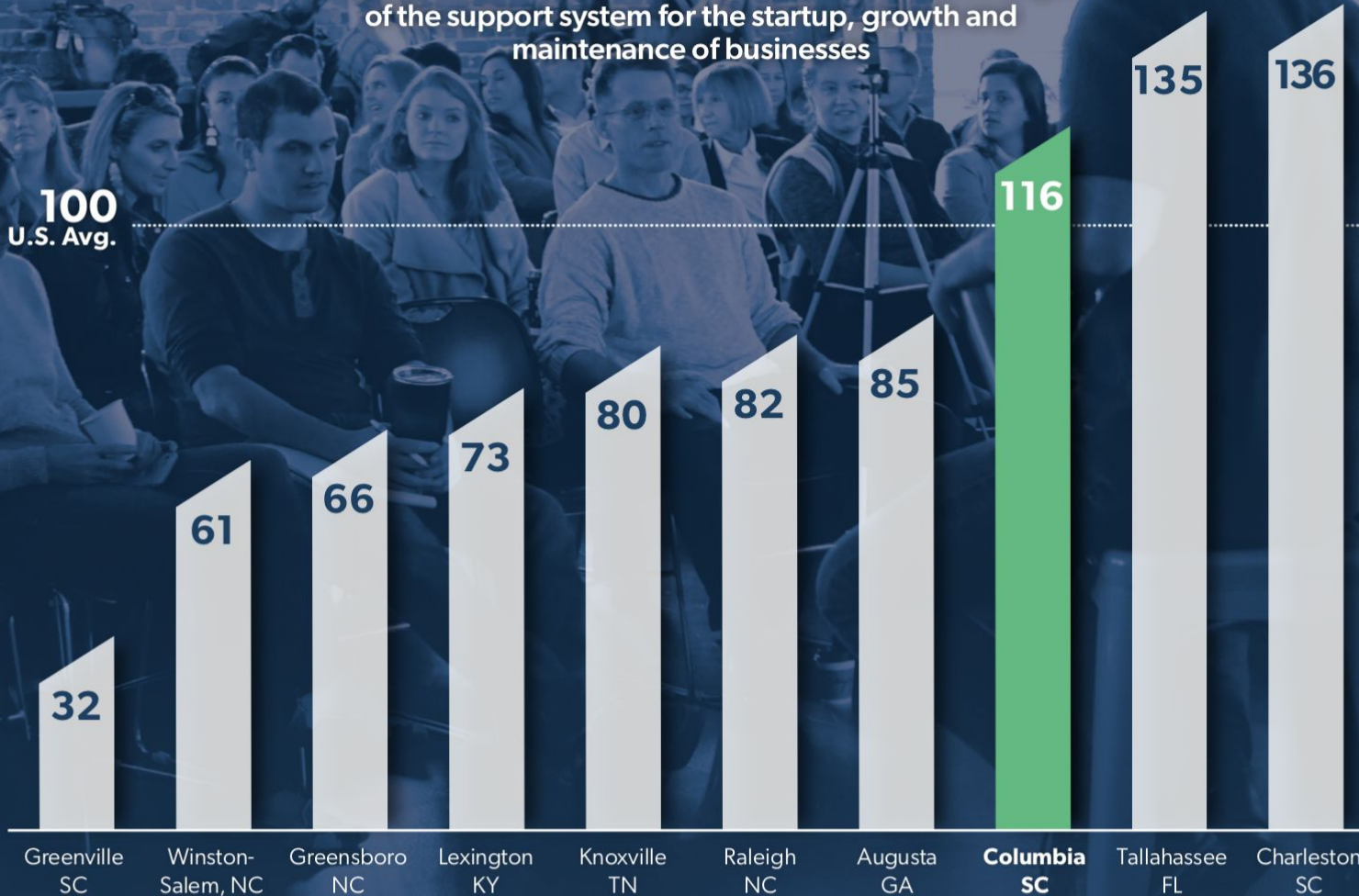
Pursue This

- Align regional and state economic development efforts by leveraging existing strengths and relationships to attract **research funding from the Department of Defense** in areas such as cybersecurity, artificial intelligence and renewable energy

Entrepreneurial & Business Environment

A region's relative ease of doing business and the strength of the support system for the startup, growth and maintenance of businesses

100
U.S. Avg.



The Metrics

Proprietor's Income Share:

Percentage of income in a region generated by business ownership

3rd/10

Small Business Activity:

Measure of a region's capacity to produce new companies

5th/10

Business Density:

Number of establishments per 1,000 employees

5th/10

Business Services:

Share of population employed in professional and technical services occupations

3rd/10

Establishment Growth Rate:

Growth in number of business establishments, 2000-2016

3rd/10

OVERALL RANKING OVER TIME	2014	2015	2016	2017	2018	2019-20
	7th	7th	7th	9th	3rd	3rd

Entrepreneurial & Business Environment

Share This

- Local company **Diesel Laptops**, a software and systems developer for the logistics industry, has been an *Inc. 5000* regular, growing **1,188%** in three years

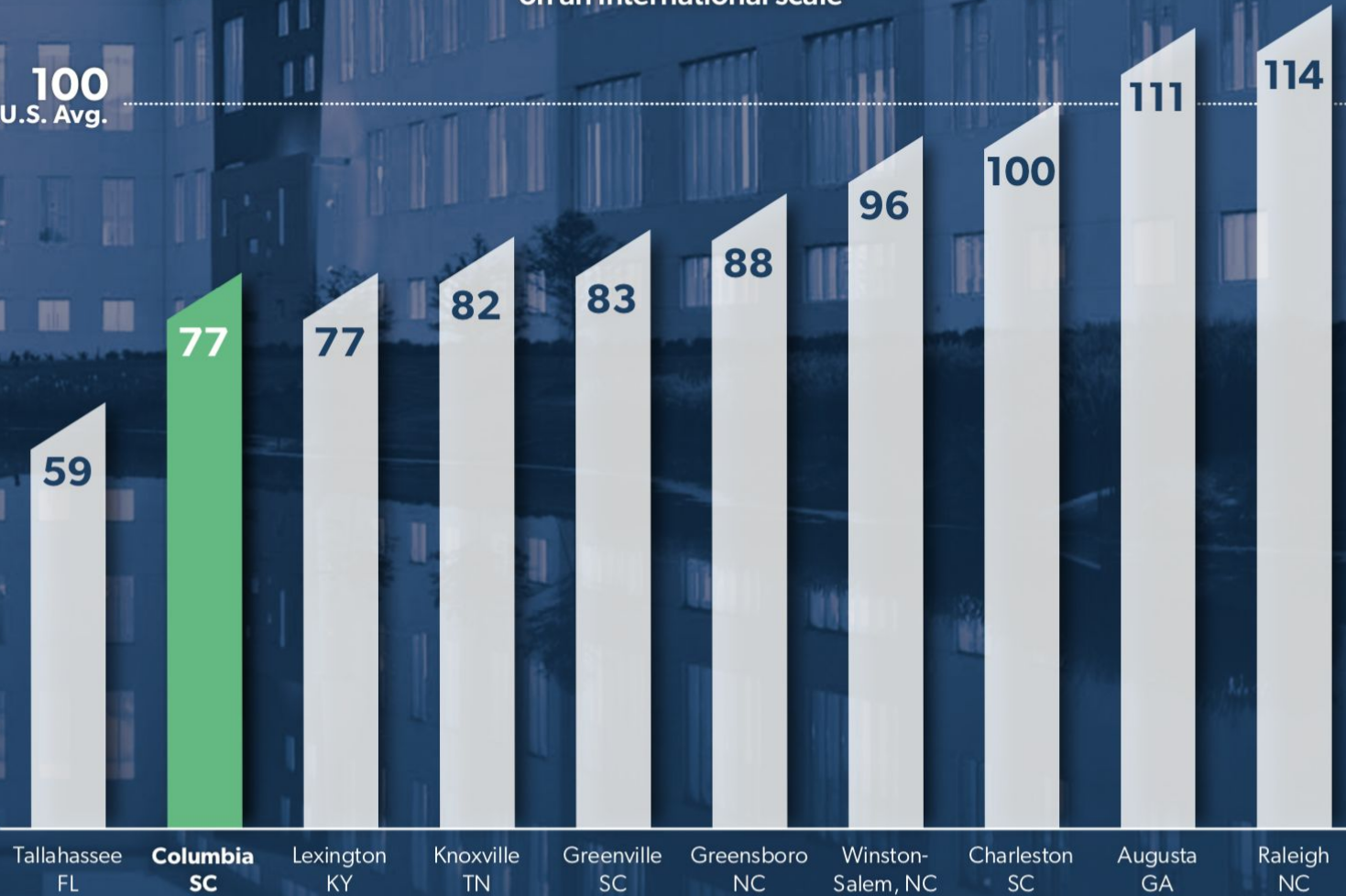
Pursue This

- Using efforts like GrowCo, support **building strong companies** within our region through services such as **founder mentoring**, **entrepreneur-focused regional marketing** and **talent attraction**

Industry Clusters

A region's ability to sustain and grow high-impact industries that are competitive on an international scale

100
U.S. Avg.



The Metrics

High-Impact Density:

Share of regional employment in traded clusters

9th/10

Employment Diversity:

Concentration of employment in top five occupations

2nd/10

High-Wage Employment:

Concentration of jobs in high-wage occupations (*annual pay greater than median household income*)

5th/10

Traded Cluster Employment Growth:

Growth of employment in traded clusters, 2000-2016

10th/10

Household Income:

Median Household Income, 2018

9th/10



Industry Clusters

Share This

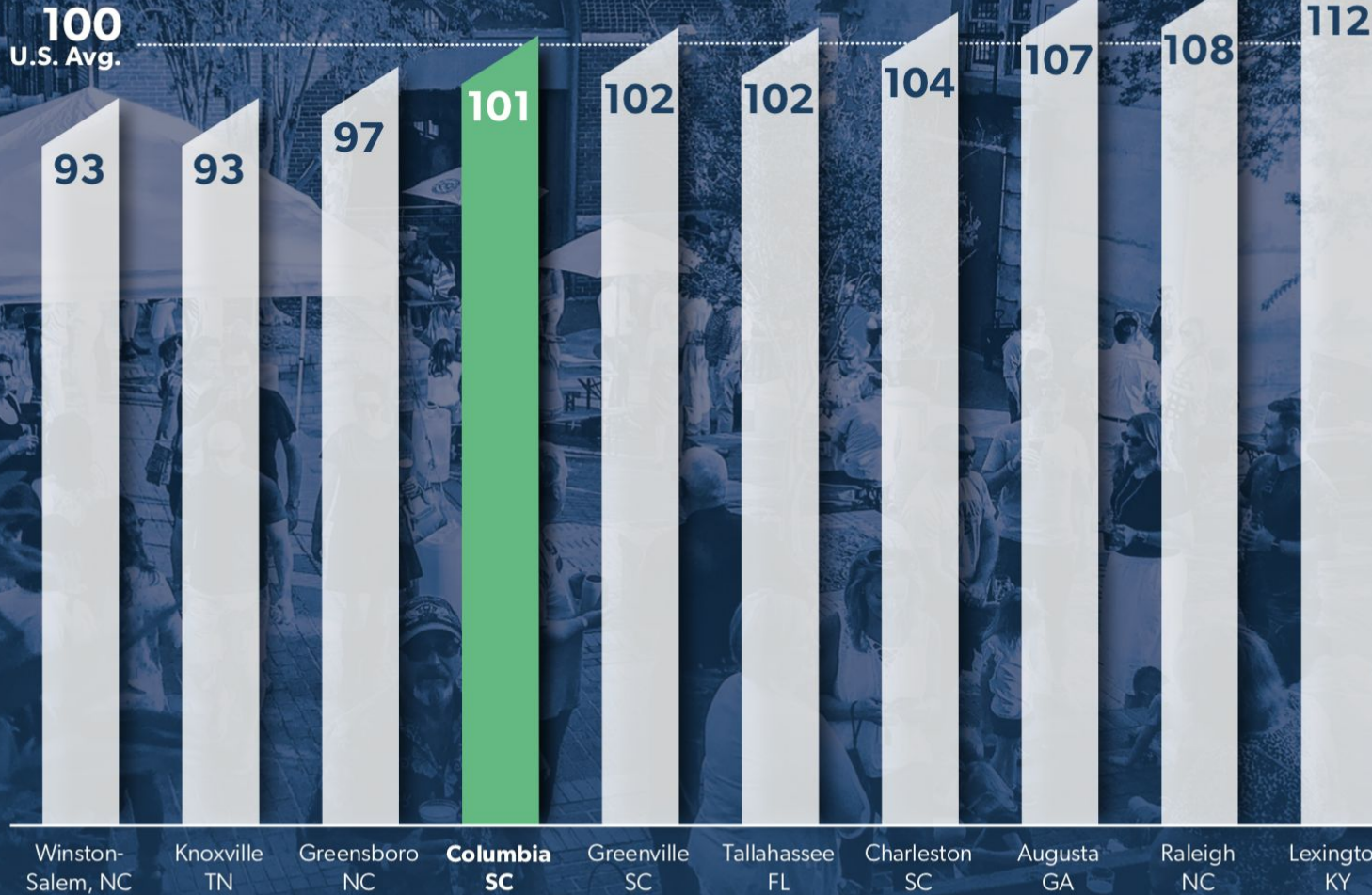
- Our **insurance cluster** punches well above our region's weight, with an employment concentration that's **345% the national average**

Pursue This

- Take a coordinated approach to regional economic development by **aligning strategic plans** to focus on industries in which we can compete, such as financial and business services, biotech, aerospace and medical device manufacturing

Livability

A region's ability to build an inclusive and dynamic live, learn, work and play environment



The Metrics

Arts and Entertainment:

Employment in arts, entertainment and recreation

5th/10

Healthcare Access:

Physicians per 100,000 residents

5th/10

Commute Time:

Length of average work commute

4th/10

Vitality:

Percentage of population aged 15 - 44 years old

3rd/10

Cost of Living Index:

Relative cost of housing and everyday items

7th/10

Crime:

Violent crime rate per 100,000 residents

9th/10

Gallup Well-Being Index:

A five-part index measuring physical, community, financial, social and career well-being

10th/10

OVERALL RANKING OVER TIME

Year	2014	2015	2016	2017	2018	2019-20
Ranking	3rd	5th	3rd	5th	8th	7th

Share This

- Our **outdoor recreation offerings** can compete with any community - with **urban whitewater**, **S.C.'s only national park**, one of the nation's **largest urban green spaces**, and **over 600 miles of shoreline** on Lake Murray

Pursue This

- Connect communities and recreational assets by **completing the Three Rivers Greenway**, linking Lake Murray and Lexington all the way to downtown Columbia, Cayce and West Columbia

The Impact of COVID-19

Now

- 12.1% unemployment and rising - largest-ever one-month increase¹
- Hospitality & leisure, restaurants, retail, healthcare among hardest-hit industries thus far²
- Columbia MSA lost 42,500 jobs (11.68% decrease) in April 2020³, but regained 12,100 in May 2020 as businesses began to reopen
- Lowest-paid workers and locally-owned businesses are vulnerable
- Remote work becoming the norm at large tech and professional services companies

Future

- Long-term economic impact will depend on length of disruption to everyday life
- Local governments will see impacts from lost tax revenues
- Livability may become an increasing driver of success as places compete for remote workers no longer tethered to major metros
- All opportunities to retrain and re-employ lower-wage workers become even more critical

1. Since 1976, as tracked by SCDEW
2. U.S. Department of Labor
3. SCDEW weekly unemployment claims

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2019-20 Midlands Regional COMPETITIVENESS REPORT



TALENT | INNOVATION | ENTREPRENEURIAL & BUSINESS ENVIRONMENT | INDUSTRY CLUSTERS | LIVABILITY



Mayor
Elise Partin

Mayor Pro-Tem
Tara S. Almond

Council Members
Phil Carter
Eva Corley
James E. Jenkins

City Manager
Tracy Hegler

Assistant City Manager
James E. Crosland

RESOLUTION CITY SAFETY POLICY STATEMENT

WHEREAS, the Mayor and City Council recognize that the prevention of accidental losses affecting employees, property, and the public will enhance the operating efficiency of City government; and

WHEREAS, a pro-active loss control posture requires that sound loss prevention measures are of primary consideration and take precedence over expediency in all operations.

NOW, THEREFORE, BE IT RESOLVED that the City will endeavor to provide a work environment free of recognized hazards through the establishment and implementation of loss control policies and procedures, and their subsequent amendments and additions, designed to provide protection to City employees, public and private property, and members of the public.

BE IT FURTHER RESOLVED that the City will support compliance with all Federal and State safety regulations; provide and require the use of personal protective equipment by all employees; and insure that all employees are advised of and understand their loss control responsibilities in the performance of their work.

SIGNED, SEALED AND ADOPTED BY City Council this 6th day of October, 2020.

Elise Partin, Mayor

Ann Bailey-Robinson, Council Member

James Skip Jenkins,
Mayor – Pro Tem

Phil Carter, Council Member

Timothy M. James, Council Member

ATTEST:

Mendy C. Corder, Municipal Clerk

STATE OF SOUTH CAROLINA)	ORDINANCE 2020-34
)	Amending Section 2-225 of the City
COUNTY OF LEXINGTON)	Code Concerning Attendance of
)	Volunteer Members of City Boards,
CITY OF CAYCE)	Commissions and Committees
)	

WHEREAS, the Council believes it is in the public interest to change the attendance requirements for volunteer members of City boards, commissions, committees, and foundations,

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Council of the City of Cayce, in Council, duly assembled, that the sixth (next to last) sentence of Section 2-225 ("Terms of members; removal of members; vacancies; service after expiration of term; compensation") of Division 1 ("Generally") of Article IV ("Boards, Commissions and Committees") of Chapter 2 ("Administration") of the City Code is hereby amended and replaced by new sentences six, seven, and eight, to read as follows:

In the event that any appointee to a committee misses one third of all meetings of the committee to which the member has been appointed, within a twelve (12) month period of service, the member shall be subject to removal for cause by the Council. The chairman of the committee shall notify the Mayor, in writing, when any member is absent a third of all meetings within a twelve (12) month period of service. The Council may, in its discretion, waive enforcement of this provision in the case of illness, death of a family member, court appearance, or other similar circumstances beyond the control of the member.

The current last sentence of Section 2-225 shall remain as the last sentence of the Section.

This Ordinance shall become effective upon Council approval on second reading.

DONE IN MEETING DULY ASSEMBLED, this _____ day of _____ 2020.

Elise Partin, Mayor

Attest:

Mendy Corder, CMC, Municipal Clerk

First Reading: _____

Second Reading and Adoption: _____

Approved as to form: _____
Danny C. Crowe, City Attorney

Memorandum

To: Mayor and Council

From: Tracy Hegler, City Manager
Carroll Williamson, Planning and Development Director

Date: October 15, 2020

Subject: Approval of an Ordinance to Amend the Business License Tax for Special Events to Create New Fees for Smaller Events - First Reading

Issue

The City's Business License Ordinance has a tax for special events, but it does not reflect the wide range of special events that are held.

Discussion

The current business license tax has a tax for special events, but it designed more for large events that generate significant revenue or events that are held for more than one day. The new tax will be as follows:

One day:

On gross income up to \$2,000 -	\$50
On gross income between \$2,001 and \$10,000 -	\$100
On gross income over \$10,000:	
Minimum on first \$10,000 -	\$200
\$1,000, or fraction, over \$10,000 -	\$5.10

Two or more days:

Minimum on first \$2,000 -	\$200
\$1,000, or fraction, over \$2,000 -	\$5.10

This amendment will more appropriately license smaller events in the City that don't generate as much revenue as the larger events. For all special events, only the special events promoter will be required to obtain a business license; no additional business license will be required for vendors at the event.

Hospitality tax will still be required to be collected by all food and beverage vendors during an event.

Recommendation

Staff recommends Council approve the amendment to the Business License Ordinance to create new fees for smaller events.

STATE OF SOUTH CAROLINA)
)
COUNTY OF LEXINGTON)
)
CITY OF CAYCE)

ORDINANCE 2020-35
Amending the City Business License
Ordinance to Provide a Specific
Business License Tax for Certain
Special Events Promoters

WHEREAS, the Council has determined that is in the best interest of the City to amend the business license tax for special event promoters that better captures the range of different types of special events; and

WHEREAS, the Business License Ordinance currently taxes all special events the same, regardless of duration or amount of gross income generated,

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Council of the City of Cayce, in Council, duly assembled, that the Class 8 Rates table and the descriptive listing of Class 8 Rates in the City Business License Ordinance, also designated as Article II ("Licenses") of Chapter 12 ("Businesses") of the City Code, are hereby amended in reference to promoters of Special Events to read as shown on the attached pages.

This Ordinance shall be effective from the date of second reading approval by Council.

DONE IN MEETING DULY ASSEMBLED, this _____ day of _____ 2020.

Elise Partin, Mayor

Attest:

Mendy Corder, CMC, Municipal Clerk

First Reading: _____

Second Reading and Adoption: _____

Approved as to form: _____
Danny C. Crowe, City Attorney

CLASS 8 RATES

Business Type	Class	INCOME: 0 - \$2,000 MINIMUM TAX	INCOME OVER \$2,000 Rate per Thousand or fraction thereof	
Contractor	800	\$30	\$1.30	Non-resident Rates Apply
8B railroad	805	\$410		
Taxi	806	\$30	\$1.30	Non-resident Rates Apply
Telephone	807	\$30	\$1.30	
Junk/scrap	810	\$60	\$2.50	Non-resident Rates Apply
Pawn	813	\$400	\$1.75	
Auto/motor	811	\$20	\$1.00	
Peddlers	814	\$135	\$3.10	Non-resident Rates Apply
Peddlers seasonal	815	\$20	\$3.10	Non-resident Rates Apply
Insurance	816			
Coin operated per machine	826	\$12.50		
Coin machine gross receipts	826	\$35	\$1.35	Non-resident Rates Apply
Amusement per machine	820	\$12.50		
Amusement gross receipts	820	\$35	\$1.35	Non-resident Rates Apply
Bingo	825	\$300	\$3.10	
Carnivals / circus	822	\$200	\$5.10	
Drinking place	812	\$265	\$5.60	
Special events 2 or more days	822	\$200	\$5.10	
Special events 1 day up to \$2K gross income	828	\$50		
Special events 1 day btwn \$2K and \$10K gross income	829	\$100		
Special events 1 day over \$10K gross income	830	\$200 (1 st \$10K)	\$5.10 (over \$10k)	
Pool hall	821	\$25	\$1.85	

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Each NAICS Number designates a separate sub-classification. The businesses in this section are treated

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Minimum on first \$2,000.00.....\$265.00 PLUS Per
 \$1,000, or fraction, over \$2,000.....\$5.60

License must be issued in the name of the individual who has been issued a State alcohol, beer or wine permit or license and will have actual control and management of the business.

822 NAICS 711310 711320 Special events promoter

822 Two or more days:

Minimum on first \$2,000...\$200
 \$1,000, or fraction, over \$2,000\$5.10

828 One day- On gross income up to \$2,000...\$50
 829 One day- On gross income between \$2,001 and \$10,000\$100
 830 One day- On gross income over \$10,000:
 Minimum on first \$10,000...\$200
 \$1,000, or fraction, over \$10,000... \$5.10

The exhibitors or participants in an event with a special events promoter will not be required to obtain a business license if the promoter has obtained one

711320 Special Events

Minimum on first \$2,000.....\$200.00 PLUS Per-
 \$4,000, or fraction, over \$2,000.....\$5.10

821 NAICS 713990 - Billiard or Pool Rooms. all types.....\$5.00 stamp/table PLUS
 Minimum on first \$2,000.....\$25.00 PLUS
 Per \$1,000, or fraction, over \$2,000.....\$1.85

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Memorandum

To: Mayor and Council

From: Tracy Hegler, City Manager
Jim Crosland, Assistant City Manager

Date: October 21, 2020

Subject: Ratification and Approval of City Manager's Authorization of Contingency Change Order for Riverwalk Phase 2 Boardwalk Repair

Issue

Council's approval and ratification is needed for the City Manager's authorization of a contingency change order with 3D Dirtworks for additional concrete and rip rap to permanently stabilize the boardwalk and assist with leveling.

Discussion

City Administration requests that the Council approve and ratify the City Manager's authorization on October 19, 2020 to approve a change order in the amount of \$10,000 by 3D Earthworks for the Cayce Riverwalk Phase 2 Boardwalk Repair. City Council approved the original contract with 3D Dirtworks on July 29, 2020. This additional work is for extra rip rap and concrete to be placed around the boardwalk footings and fill large gaps where boulders had to be removed. This change order amount authorized by the City Manager for this work would fall within the original amount of 20% contingency funding provided by Council. The City Manager's authorization for this change order is based on the interpretation that the intent of a prior change order approved by Council was to provide additional services within the amount of the original contingency, not necessarily from the contingency amount. A time exigency factor considered in the City Manager's authorization of this contingency was the City's interest in ensuring public safety by concluding the project's repairs as expeditiously as possible before the contractor moved on to non-City projects so as to reduce potential public safety hazards in the project area.

Recommendation

Staff recommends that City Council approve and ratify the City Manager's authorization on October 19, 2020 to approve a change order in the amount of \$10,000 by 3D Earthworks for the Cayce Riverwalk Phase 2 Boardwalk Repair.

AIA® Document G701™ - 2001

Change Order

PROJECT (Name and address): Cayce River Walk	CHANGE ORDER NUMBER: 002 DATE: 09/09/2020	OWNER: <input type="checkbox"/> ARCHITECT: <input type="checkbox"/>
TO CONTRACTOR (Name and address): 3D Dirtworks LLC 2035 Oswego Hwy Sumter, SC 29153	ARCHITECT'S PROJECT NUMBER: NA CONTRACT DATE: 8/24/2020 CONTRACT FOR: General Construction	CONTRACTOR: <input checked="" type="checkbox"/> FIELD: <input type="checkbox"/> OTHER: <input type="checkbox"/>

THE CONTRACT IS CHANGED AS FOLLOWS:

(Include, where applicable, any undisputed amount attributable to previously executed Construction Change Directives)
8 areas of additional board walk leveling needed..

The original Contract Sum was	\$	85,000.00
The net change by previously authorized Change Orders	\$	24,000.00
The Contract Sum prior to this Change Order was	\$	109,000.00
The Contract Sum will be increase by this Change Order in the amount of	\$	10,000.00
The new Contract Sum including this Change Order will be	\$	119,000.00

The Contract Time will be increased by Ten (10) days.
The date of Substantial Completion as of the date of this Change Order therefore is 11/7/2020

NOTE: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

<u>The LandPlan Group South, Inc.</u> A/E (Firm name)	<u>3D Dirtworks, LLC.</u> CONTRACTOR (Firm name)	<u>City of Cayce</u> OWNER (Firm name)
<u>1206 Scott Street, Columbia S.C.</u> ADDRESS	<u>2035 Oswego Hwy Sumter SC 29153</u> ADDRESS	<u>1800 12th St. Cayce, SC 29035</u> ADDRESS
<u><i>Charles W. Howell Jr.</i></u> BY (Signature)	<u><i>[Signature]</i></u> BY (Signature)	<u><i>Tracy Hegler</i></u> BY (Signature)
<u>Charles W. Howell Jr.</u> (Typed name)	<u>Brian Squires</u> (Typed name)	<u>Tracy Hegler</u> (Typed name)
<u>10/19/2020</u> DATE	<u>10/19/2020</u> DATE	<u>10.19.2020</u> DATE

Memorandum

To: Mayor and Council

From: Tracy Hegler, City Manager
Jim Crosland, Assistant City Manager

Date: October 15, 2020

Subject: Dominion Conversion Program from HID to LED

Issue

Council's approval is needed to authorize Dominion Energy to convert all street lighting in the City of Cayce from HID (High Intensity Discharge) to LED (Light Emitting Diode).

Discussion

The City of Cayce has an opportunity through Dominion Energy to update all its old street lighting to state-of-the-art lighting systems. The LED lighting is clearer, brighter, programmable, and lasts longer than the HID systems. The monthly cost to operate is also lower. The lights, however, are more expensive to purchase, adding to the monthly operating cost.

Dominion Energy has an incentive program for municipalities that includes a ten-year contract with a five-year incentive package. The total current monthly cost for LED is \$12,698.67. The City currently pays \$10,475.46 per month for HID lighting. Dominion's incentive is a monthly reduction of \$2,957.26 which means the City will save \$744.05 per month off what we are currently paying, for the next five years. After the five-year incentive program has expired under the ten-year contract, the City will be billed the new LED rate which is decreasing every year and should be below the standard current City HID rate. During the transition, we can also change out lighting systems around the City to better illuminate the area and install uniformity.

Recommendation

Staff recommends that City Council approve the City Manager enter into a contract with Dominion Energy to update all its City street lighting from HID to LED. This will include accepting the five-year incentive package within the ten-year contract.

Memorandum

To: Mayor and Council

From: Tracy Hegler, City Manager
Blake Bridwell, Director of Utilities

Date: October 15, 2020

Subject: Water Treatment Plant's SCADA Upgrades

Issue

The City's Water Treatment Plant (WTP) Controls are fully automated and because of its complexity, cannot be manually operated. This makes the automated systems in place critical to the WTP being able to continuously and reliably transport, produce, and supply water to our finished water tanks for our customers. The WTP control systems need an upgrade to keep the plant operating as normal. The current control systems are 20 years old.

Discussion

The original Water Plant Supervisor Control and Data Acquisition (**SCADA**) system was installed in the 2000/2001 water plant upgrade. Nearly all components are original and still in service since that start up. Over the course of these twenty years, we have replaced both the primary and backup computers, a couple of power supplies, a few input/output components and had to "flash" the main Program Logic Controller (**PLC**) at least twice. Our main PLC has failed twice, with the result being water plant shutdown until an outside vendor was able to make repairs. Electronic components are outdated by any standard, with replacement parts unavailable. This upgrade will replace the critical PLC's, input/output modules, new main/backup computers and power supplies at the water plant, and provide more reliability and dependable systems for continued plant operation.

City Council has previously discussed this upgrade during budget discussions.

American Engineering and MR Systems will be coordinating the work. American Engineering designed the original WTP with these systems and has extensive knowledge for the inner-workings of the WTP. Their experienced input on the new upgrades required is crucial to the success of the needed upgrades. The SCADA system is a complex system with specialty software which MR Systems has maintained for years. Their experience is also needed for successful and efficient upgrades.

The attached proposals from MR Systems total to \$687,124.00. The proposed work includes quotes for PLC Replacements at the WTP and Raw Water Reservoir, Telemetry Upgrades in the water distribution systems (new PLC's at water tanks), and Software Upgrades. The attached agreement from American Engineering is for a lump sum fixed fee of \$59,000.00 with a section addressing any additional engineering

services. In addition, American Engineering has recommended a contingency totaling \$65,000.00. Total for project would be \$811,124.00.

The project needs to occur during the non-peak summer months to avoid peak water demand times of the summer. A rough schedule has been included and work will be installed during winter months of 2021.

Recommendation

City staff recommends that City Council approve the City Manager to enter into an agreement with American Engineering and MR Systems to begin the upgrades to the SCADA system at the WTP and waive the informal and formal bid process, as both vendors have previously been awarded similar work and have invaluable knowledge of the system.

Customer: Cayce, SC
 Project: WDS Telemetry Upgrade
 MR Quote #:Q18-5126 R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
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Cayce Water Distribution System - Hardware Upgrade

The first phase of this upgrade entails moving all of the PLC radio polling functionality to the recently-installed Allen Bradley Micrologix 1400 in the Main Console. Currently, the polling is executed by an obsolete Modicon Quantum PLC in the same location. By moving the functionality to the new PLC, we can proceed with the remainder of the upgrade, which includes switching out the remote RTU hardware, site-by-site.

- Step 1: In-House development of new Polling PLC code and HMI re-addressing to incorporate new PLC registers for Intellution application.
- Step 2: On-site commissioning of new PLC programming and HMI configurations. This requires a full I/O checkout of each site:
 - 1) ETMF Elevated Tank
 - 2) White Knoll Elevated Tank
 - 3) CAE Tank and BPS
 - 4) Hwy 321 Tank
 - 5) Hwy 321 BPS
 - 6) RWPS * Note site is already converted, will do partial check for functionality only

The look and feel of the HMI application will remain the same, so we do not anticipate needing to provide any additional training for this portion of the upgrade.

Once this Phase is complete, we will be ready to begin upgrading the RTUs.

- Step 3: Replace existing RTU equipment

1	RTU-WK	<p>White Knoll Tank PLC Replace with new PLC based control panel PLC-based Remote Telemetry Unit Enclosure Size: 30" H x 24" W x 12" D Enclosure Rating & Materials: NEMA 4X, #304 Stainless Steel Solar Heat Protection: Powder-coated White Finish PLC: Allen-Bradley MicroLogix 1400, 24 VDC with Memory Module Available I/O: 20 DI, 14 DO, 4 AI, 2 AO Wired I/O: 12 DI, 6 DO, 4 AI, 0 AO AC Power Backup: Battery Backup with two (2) 9 AH Batteries Communications: 4RF SR+ Licensed Radio Operator Interface Terminal: Not Included Miscellaneous Options: Heater & Thermostat Bulkhead-mounted RF Surge Protector 3-point Door Latch, Padlockable</p>
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October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
		Standard Features: AC Power Surge Protector LED Light Fixture (mounts in top of panel) GFI Utility Outlet RTU Door Limit Switch Digital I/O Surge Protection: Indicating Interposing Relays Analog I/O Surge Protection: MR Kamikaze II Analog Surge Protector
1	RTU-ETMF	ETMF Tank PLC Replace with new PLC based control panel PLC-based Remote Telemetry Unit Enclosure Size: 30" H x 24" W x 12" D Enclosure Rating & Materials: NEMA 4X, #304 Stainless Steel Solar Heat Protection: Powder-coated White Finish PLC: Allen-Bradley MicroLogix 1400, 24 VDC with Memory Module Available I/O: 20 DI, 14 DO, 4 AI, 2 AO Wired I/O: 12 DI, 6 DO, 4 AI, 0 AO AC Power Backup: Battery Backup with two (2) 9 AH Batteries Communications: 4RF SR+ Licensed Radio Operator Interface Terminal: Not Included Miscellaneous Options: Heater & Thermostat Bulkhead-mounted RF Surge Protector 3-point Door Latch, Padlockable Standard Features: AC Power Surge Protector LED Light Fixture (mounts in top of panel) GFI Utility Outlet RTU Door Limit Switch Digital I/O Surge Protection: Indicating Interposing Relays Analog I/O Surge Protection: MR Kamikaze II Analog Surge Protector
1	RTU-CAE	CAE Tank and BPS PLC Replace existing panel components with new Factory-Assembled backplane. PLC-based Remote Telemetry Unit Enclosure: Existing enclosure is to be reused. Replace existing subpanel: 27" X 21" PLC Manufacturer & Model: Allen Bradley Micrologix 1400 Communications: 4RF SR+ Licensed Radio Available I/O: 32 DI, 8 DO, 8 AI, 4 AO Wired I/O: 32 DI, 8 DO, 8 AI, 4 AO AC Power Protection: Included UPS System: Online UPS Included Digital I/O Surge Protection: Interposing Relays included Analog I/O Surge Protection: MR Systems' Kamikaze II Utility Light(s): LED Fixture Included AC Utility Power Outlet: GFI Outlet included Panel Door Intrusion Switch: Included



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
		Operator Interface: 5.7" Color Touch Display - Magellis
1	RTU-321TNK	<p>321 TANK PLC Replace existing panel components with new Factory-Assembled backplane. PLC-based Remote Telemetry Unit Enclosure Size: 30" H x 24" W x 12" D Enclosure Rating & Materials: NEMA 4X, #304 Stainless Steel Solar Heat Protection: Powder-coated White Finish PLC: Allen-Bradley MicroLogix 1400, 24 VDC with Memory Module Available I/O: 20 DI, 14 DO, 4 AI, 0 AO Wired I/O: 20 DI, 14 DO, 4 AI, 0 AO AC Power Backup: Battery Backup with two (2) 9 AH Batteries Communications: 4RF SR+ Licensed Radio Operator Interface Terminal: Not Included Miscellaneous Options: Heater & Thermostat Bulkhead-mounted RF Surge Protector 3-point Door Latch, Padlockable</p> <p>Replace HydroRanger 200 with LUT420 (OPTIONAL - DISCUSS WITH OWNER)</p>
1	RTU-321BPS	<p>321 BPS PLC Replace existing PLC with new Factory-Assembled backplane. PLC-based Remote Telemetry Unit Enclosure: NONE - use existing Replace existing subpanel: 27" X 21" PLC Manufacturer & Model: Allen Bradley Micrologix 1400 Communications: 4RF SR+ Licensed Radio Available I/O: 32 DI, 8 DO, 8 AI, 4 AO Wired I/O: 32 DI, 8 DO, 8 AI, 4 AO AC Power Protection: Included UPS System: Online UPS Included Digital I/O Surge Protection: Interposing Relays included Analog I/O Surge Protection: MR Systems' Kamikaze II Utility Light(s): LED Fixture Included AC Utility Power Outlet: GFI Outlet included Panel Door Intrusion Switch: Included Operator Interface: 5.7" Color Touch Display - Magellis</p>
	RTU-RWPS	<p>Raw Water Pump Station PLC Note: RWPS pricing is included in the WTP PLC Replacement Proposal.</p>
1	MASTER	<p>Modifications to Main Radio Panel at WTP 4RF SR+ Licensed Radio</p>
1		DIN Rail Adapter Kit
1		Accessory Kit

Customer: Cayce, SC
 Project: WDS Telemetry Upgrade
 MR Quote #:Q18-5126 R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
1		Miscellaneous Materials
1	SPARE RADIO	Spare Licensed Radio 4RF Licensed Radio
1	TESTING	Factory Acceptance Testing: Unwitnessed Factory Acceptance Testing at MR Systems' Norcross manufacturing facility. Witnessed Factory Acceptance Testing at MR Systems Columbia Office.

Project Labor

One Lot		Project Engineering, Electrical Design, Mechanical Design, Drafting & Administrative Labor (including Travel & Living expenses) as required to perform final system design and to prepare Submittals and Record Drawings as required
One Lot		HMI Software Applications Development & Graphics Design Labor (including Travel & Living expenses) as required
One Lot		PLC Control Strategy Design & Programming Labor (including Travel & Living expenses) to be performed as required
One Lot		Field Service (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required
One Lot		Electrical Installation or Terminations (including Travel & Living expenses) to provide installation of conduit, wire, etc. as required
1 Year		Onsite Comprehensive Warranty (including Travel & Living expenses)
One Lot		Freight

Subtotal of Labor and Materials: \$133,736

P&P Bonds: \$1,534

State Sales Tax is INCLUDED. Assumed sales tax rate is: 7%, Included

Sales Tax: \$5,157

Total Project Cost: \$140,426



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
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General Notes:

- A * Sales Representation ***
Mr. Chris Taylerson, of Heyward, Inc. in Charlotte, NC, is our local Sales Representative and will contact you prior to the bid with pricing. Chris may be reached at 704-583-2305 (Office) or 704-591-0980 (Cell).

- B * Technical Questions ***
For technical or scope of supply questions contact Jason Poston, P.E., of MR Systems, Inc. Jason may be reached at 678-325-2835 (Office) or 704-918-7007 (Cell).

- C * Installation of Conduit and Wire ***
This quotation **DOES NOT INCLUDE** the supply or physical installation of conduit or wire unless specifically noted above.

- D * Equipment Installation ***
This quotation **INCLUDES** the physical installation of the telemetry hardware identified above.

- E * Wiring Terminations ***
This quotation **DOES NOT INCLUDE** field or panel terminations of signal or power wires

- F * Fiber Optics Cable ***
This quotation **DOES NOT INCLUDE** the supply or physical installation of Fiber Optic Cable.

- G * Fiber Optic Cable Termination ***
This quotation **DOES NOT INCLUDE** termination or testing of fiber optics cable.

- H * Coaxial Cable Installation ***
This quotation **DOES NOT INCLUDE** the physical installation of coaxial cable or other related components.

- I * Installation of Communications Towers or Poles ***
This quotation **DOES NOT INCLUDE** the supply or physical installation of Communication Towers or Poles.

- J * Contractor License Information ***
MR Systems' South Carolina Electrical Contractor's License Number is M108855, EL5 (Unlimited).

- K * Professional Engineering Authorization ***
As required by the South Carolina Board of Labor, Licensing and Regulation, System Integrators are required to hold a Certificate of Authorization to practice professional engineering in order to perform system integration. MR Systems' Certificate of Authorization Number is C01888.

Customer: Cayce, SC
Project: WDS Telemetry Upgrade
MR Quote #:Q18-5126 R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
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L		<p>* Terms and Conditions * MR Systems, Inc. General Terms & Conditions of Sale apply to any order resulting from this quotation. Please refer to the link provided below for a copy of our General Terms and Conditions of Sale. https://www.mrsystems.com/sellersterms/</p>
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Revision Notes:

Rev. 0	First Issue - 2019-06-03 - JAP
Rev. 1	Updated for comprehensive upgrade - 2020-01-31
Rev. 2	As offered - 2020-02-24 - J. Poston
Rev. 3	Added Bond costs - 2020-09-22 - JAP



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
		<p><u>SCOPE OF WORK:</u></p> <p>MR Systems, Inc is pleased to offer this proposal to the City of Cayce to upgrade the existing SCADA computers and software at the Water Treatment Plant. A Modbus Plus to Ethernet converter will be provided to allow for the new computers to communicate with the existing PLCs.</p> <p>MR Systems has included in-house HMI labor to convert the application and on-site startup and testing of the new hardware and software.</p>
1		<p><u>SCADA SOFTWARE:</u></p> <p>Ignition Custom Redundant Package - Primary Custom package includes the Vision, Perspective, SQL Bridge, Tag Historian, Reporting and Symbol Factory Modules with AB and Modbus Drivers</p>
1		<p>Ignition Custom Redundant Package - Backup Custom package includes the Vision, Perspective, SQL Bridge, Tag Historian, Reporting and Symbol Factory Modules with AB and Modbus Drivers.</p>
1		<p>Basic Care Contract - 1 Year Term Does not include phone support. Best for customers who want access to technical support reps via email. Includes email support and free upgrades to any modules purchased.</p>
		<p><u>SCADA HARDWARE:</u></p>
1		<p>Precision Workstation T3630 Tower - Primary Workstation Intel Xeon E-2124, 4 Core, 8MB Cache, 3.4GHz, 4.5Ghz Turbo NVIDIA® Quadro® P400, 2GB, 3 mDP 16GB 2x8GB DDR4 2666MHz UDIMM Non-ECC Raid 1, (Qty. 2) 1TB, 3.5" SATA (7,200 RPM) Hard Drive 8x DVD +/- RW drive Keyboard, Mouse Windows 10 Pro for Workstation (Up to 4 Cores) Microsoft Office Professional 2016 3 Year Hardware Service with Onsite/In-Home Service After Remote Diagnosis</p>
2		<p>Dell 24 Monitor - P2417H including Sound Bar</p>
1		<p>APC SmartUPS 750 VA - SMT750</p>
1		<p>Precision Workstation T3630 Tower - Secondary Workstation Intel Xeon E-2124, 4 Core, 8MB Cache, 3.4GHz, 4.5Ghz Turbo NVIDIA® Quadro® P400, 2GB, 3 mDP 16GB 2x8GB DDR4 2666MHz UDIMM Non-ECC Raid 1, (Qty. 2) 1TB, 3.5" SATA (7,200 RPM) Hard Drive 8x DVD +/- RW drive Keyboard, Mouse Windows 10 Pro for Workstation (Up to 4 Cores) Microsoft Office Professional 2016 3 Year Hardware Service with Onsite/In-Home Service After Remote Diagnosis</p>
1		<p>Dell 24 Monitor - P2417H including Sound Bar</p>
1		<p>APC SmartUPS 750 VA - SMT750</p>



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Bill of Materials and Labor

Qty	Tag/Loop	Description
1		Wireless Access and Plant Firewall Appliance
1		Wireless Access Point - Filter Area
1		Wireless Access Point - HS Pump Station
1		Wireless Access Point - Clarion Area
2		Apple IPAD 10.2in 32GB WiFi only
2		Applecare Warranty - 2 year
2		Otterbox Defender Case
1		Fortigate 30E Firewall Device - 3 year subscription
1		Fortixtender 201e Cellular Gateway for plant internet and RWPS Cellular access
1		Network Attached Storage Backup System
1		Synology DS418j NAS Appliance - 4 bay, desktop
4		WD Red Pro 4TB NAS Hard Drive

Upgraded SCADA 3D Graphics Backgrounds

MR Systems will create a complete new set of 3D Graphics backgrounds in our latest format, which is a blend of 3D Photorealistic and Process Style interactive displays. We will overhaul the existing menuing, alarming, and trending system with a completely new and improved interface.

MR Systems will conduct (2) Graphics workshops to collaborate with the owner and engineer on the new interface.

Develop Monthly Reports

- Flow Reports
- Runtime and Cycle Reports
- Chemical Usage Reports

Project Labor

One Lot	Project Engineering & Administrative Labor as required to perform final system design as required.
One Lot	HMI Software Applications Development Labor (including Travel & Living expenses) as required.
N/A	<i>PLC Control Strategy Design & Programming Labor</i> (including Travel & Living expenses) as required.
One Lot	Field Service (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required.
N/A	<i>Electrical Installation or Terminations</i> (including Travel & Living expenses) to provide installation of conduit, wire, etc. as required.
1 Year	Onsite Comprehensive Warranty (including Travel & Living expenses)
One Lot	Freight

Customer: City of Cayce, SC
Project: WTP SCADA Software Upgrade
MR Quote #:Q19-5127, EST Rev. 3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
		Subtotal of Labor and Materials: \$103,870
		P&P Bonds: \$1,333
		State Sales Tax is INCLUDED. Assumed sales tax rate is: 7%, Included Sales Tax: \$3,744
		Total Project Cost: \$108,947

General Notes:

- A *** Sales Representation ***
Mr. Chris Taylerson, of Heyward, Inc. in Charlotte, NC, is our local Sales Representative and will contact you prior to the bid with pricing. Chris may be reached at 704-583-2305 (Office) or 704-591-0980 (Cell).

- B *** Technical Questions ***
For technical or scope of supply questions contact Jason Poston, P.E., of MR Systems, Inc. Jason may be reached at 678-325-2835 (Office) or 704-918-7007 (Cell).

- C *** Installation of Conduit and Wire ***
This quotation **DOES NOT INCLUDE** the supply or physical installation of conduit or wire unless specifically noted above.

- D *** Equipment Installation ***
This quotation **INCLUDES** installation of the above listed hardware and software.

- E *** Wiring Terminations ***
This quotation **DOES NOT INCLUDE** field or panel terminations of signal or power wires

- F *** Fiber Optics Cable ***
This quotation **DOES NOT INCLUDE** the supply or physical installation of Fiber Optic Cable.



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
G	* Fiber Optic Cable Termination *	This quotation DOES NOT INCLUDE termination or testing of fiber optics cable.
H	* Coaxial Cable Installation *	This quotation DOES NOT INCLUDE the physical installation of coaxial cable or other related components.
I	* Installation of Communications Towers or Poles *	This quotation DOES NOT INCLUDE the supply or physical installation of Communication Towers or Poles.
J	* Contractor License Information *	MR Systems' South Carolina Electrical Contractor's License Number is M108855, EL5 (Unlimited).
K	* Professional Engineering Authorization *	As required by the South Carolina Board of Labor, Licensing and Regulation, System Integrators are required to hold a Certificate of Authorization to practice professional engineering in order to perform system integration. MR Systems' Certificate of Authorization Number is C01888.
L	* Terms and Conditions *	MR Systems, Inc. General Terms & Conditions of Sale apply to any order resulting from this quotation. Please refer to the link provided below for a copy of our General Terms and Conditions of Sale. https://www.mrsystems.com/sellersterms/

Revision Notes:

- Est. Rev. 0 Estimate of Probable Construction Costs - 2019-08-15 - SK
- Rev. 1 Added 3D graphics option. Removed Mobus+ Gateway and configuration
- Rev. 2 As Offered - 2020-02-24 - JAP
- Rev. 3 Added P&P Bonds - 2020-09-22 - JAP

Customer: Cayce, SC
Project: WTP PLC Replacements
MR Quote #: Q18-5128, R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
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Main Control Panel Modifications

General Approach:

MR Systems proposes to provide new PLC components to replace the existing, obsolete PLC components in the existing Main Operator Control Console. This approach will provide the City of Cayce with all new electronic and electro-mechanical components which will last for many years to come. The City of Cayce will also receive new electrical elementary drawings which will accurately reflect the internal panel wiring of all I/O signals.

For the High Service and ClariCone panels, MR Systems will provide new, factory-wired complete subpanels with all new components.

Site Visit No. 1

A MR Systems' Electrical Designer, a Field Service Engineer, and a PLC Programmer will make a site visit to perform a detailed inspection of the existing PLC panels. The purpose of this trip is to compare the existing panel wiring drawings to the actual wiring configuration of the existing PLC panel in order to identify the various wiring additions and deletions that have occurred over the many years the panel has been in service. It is likely that some existing equipment may not be presently in service or may not be functioning. The findings resulting from this site visit will be used to prepare new Electrical Elementaries which will be submitted to the City of Cayce for review and approval.

Site Visit No. 2

After the new Electrical Elementaries have been reviewed and approved by the City of Cayce, MR Systems will make a second site visit to label all existing field wiring with the new panel wire numbers per the new Electrical Elementaries. Please note that this quote does not include new labeling for the associated field instruments, MCCs, etc. We can add this work to our scope if it is desired by the City of Cayce.

Site Visit No. 3

After the existing field wires have been labeled with the new wire numbers, MR Systems will return to the site to perform the following tasks:

1. Remove the existing field wires from the existing subpanels.
2. Remove any items which will be reused from the existing subpanels (i.e. the Ethernet switches, etc).
3. Reinstall the existing components that are to be reused onto the new subpanels.
4. Mount the new subpanels in the existing Operators Control Console.
5. Terminate all field wiring.
6. Perform a thorough test of all I/O from the field device through the SCADA system.
7. Relocate the existing Allen-Bradley MicroLogix 1400 (Cellular Polling PLC).

The Main Console will be upgraded in stages in efforts to reduce the amount of downtime for each affected portion of the plant.

Stage 1

1

Assemble components for Filters 1-3 on temporary subpanel adjacent to existing panel and extend all related wiring.



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
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Stage 2

Assemble components for Chemical equipment all auxiliary signals on temporary subpanel adjacent to existing panel and extend all related wiring.

Stage 3

Shut down the existing main PLC console and install the components for Filters 4-6 and the Chemical signals. Once this I/O is up and running, move the remaining Filter 1-3 signals over to the main console.

1 **Main Operator Control Console (Filter 1-3, Filter 4-6, Chemical)**

The existing Quantum PLC will be split into three smaller subsystems, each with a processor. This will provide for system redundancy and remove a single-point-of-failure from the system.

Mechanical:

Existing Custom Operators Control Console by Carotek, Painted Carbon Steel
 Existing subpanels will remain in place

PLC Manufacturer & Model: Allen-Bradley CompactLogix (#5069-L320ER CPU for up to 16 modules)
 Available I/O: 64 DI, 48 DO, 24 AI, 8 AO
 Wired I/O: 64 DI, 48 DO, 24 AI, 8 AO

Programmable Logic Controller: Filter 4-6

PLC Manufacturer & Model: Allen-Bradley CompactLogix (#5069-L320ER CPU for up to 16 modules)
 I/O: 64 DI, 48 DO, 24 AI, 8 AO
 Wired I/O: 64 DI, 48 DO, 24 AI, 8 AO

Programmable Logic Controller: Chemical

I/O: 32 DI, 32 DO, 16 AI, 32 AO
 Wired I/O: 32 DI, 32 DO, 16 AI, 32 AO

Communications:

Allen-Bradley's Ethernet/IP - Hirschmann RS20 Ethernet switch will be provided.
 The existing Allen-Bradley MicroLogix 1400 PLC will be reinstalled and will continue to poll the Cellular Remote Sites.

AC Power Distribution:

(2) new online UPS will be provided with independent UPS Power Failover Circuit
 DC Power Distribution:
 Existing DC Power Supplies will be replaced with new Delta Power Supplies.

Note: City to supply 2nd AC power circuit for this panel for redundancy purposes.

Customer: Cayce, SC
 Project: WTP PLC Replacements
 MR Quote #: Q18-5128, R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
1	ClariCone Control Panel	<p>Mechanical: Existing 36" H x 36" W x 1 " D NEMA 4 Control Panel by Nix, Purser & Associates Rear Subpanel: 33" H x 33" W</p> <p>Programmable Logic Controller: PLC Manufacturer & Model: Allen-Bradley CompactLogix (#5069-L320ER CPU for up to 16 modules) Available I/O: 32 DI, 32 DO, 16 AI, 8 AO Wired I/O: 32 DI, 32 DO, 16 AI, 8 AO</p> <p>Communications: Communications protocol will be Allen-Bradley's Ethernet/IP. A new Hirschmann RS20 Ethernet switch will be provided.</p> <p>AC Power Distribution: Existing AC Power distribution to remain with minor modifications. A new online UPS will be provided. A new UPS Power Failover Circuit will be installed.</p> <p>DC Power Distribution: Existing DC Power Supplies will be replaced with new Delta Power Supplies.</p>
1	High Service Pump Station Control Panel	<p>Mechanical: Existing 36" H x 36" W x 1 " D NEMA 4 Control Panel by Nix, Purser & Associates Rear Subpanel: 33" H x 33" W</p> <p>Programmable Logic Controller: PLC Manufacturer & Model: Allen-Bradley CompactLogix (#5069-L320ER CPU for up to 16 modules) Available I/O: 32 DI, 32 DO, 16 AI, 16 AO Wired I/O: 32 DI, 32 DO, 16 AI, 16 AO</p> <p>Communications: Communications protocol will be Allen-Bradley's Ethernet/IP. A new Hirschmann RS20 Ethernet switch will be provided.</p> <p>AC Power Distribution: Existing AC Power distribution to remain with minor modifications. A new online UPS will be provided. A new UPS Power Failover Circuit will be installed.</p> <p>DC Power Distribution: Existing DC Power Supplies will be replaced with new Delta Power Supplies.</p>
1	Raw Water Pump Station Control Panel	<p>Mechanical: Existing 36" H x 36" W x 1 " D NEMA 4 Control Panel by Nix, Purser & Associates</p>

Customer: Cayce, SC
 Project: WTP PLC Replacements
 MR Quote #: Q18-5128, R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
		<p>Rear Subpanel: 33" H x 33" W</p> <p>Programmable Logic Controller: PLC Manufacturer & Model: Allen-Bradley CompactLogix (#5069-L320ER CPU for up to 16 modules) I/O: 32 DI, 32 DO, 16 AI, 16 AO</p> <p>Communications: Communications protocol will be Allen-Bradley's Ethernet/IP. A new Hirschmann RS20 Ethernet switch will be provided.</p> <p>AC Power Distribution: Existing AC Power distribution to remain with minor modifications. A new online UPS will be provided. A new UPS Power Failover Circuit will be installed.</p> <p>DC Power Distribution: Existing DC Power Supplies will be replaced with new Delta Power Supplies.</p> <p><u>SCADA Controls Design Workshops</u> To be held at American Engineering or MR Systems Columbia Office</p> <ol style="list-style-type: none"> 1). Preliminary Design Workshop 2). Intermediate Design Workshop 3). Final Design workshop before factory testing <p><u>Factory Acceptance Testing:</u> Unwitnessed Factory Acceptance Test at MR Systems Columbia Office Witnessed Factory Acceptance Test at MR Systems Columbia Office</p>
1		
		<p>Note: If Modicon M340 PLC Hardware, without the use of quick-conversion kits, the total price can be reduced by approximately \$28,000.00.</p>

Project Labor

One Lot	Project Engineering, Electrical Design, Mechanical Design, Drafting & Administrative Labor (including Travel & Living expenses) as required to perform final system design and to prepare Submittals and Record Drawings as required by the Contract Documents.
One Lot	HMI Software Applications Development & Graphics Design Labor (including Travel & Living expenses) as required by the Contract Documents.
One Lot	PLC Control Strategy Design & Programming Labor (including Travel & Living expenses) to be performed as required by the Contract Documents.

Customer: Cayce, SC
 Project: WTP PLC Replacements
 MR Quote #: Q18-5128, R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
One Lot		Field Service (including Travel & Living expenses) to provide installation supervision calibrations, startup, training, etc. as required by the Contract Documents.
One Lot		Electrical Installation or Terminations (including Travel & Living expenses) to provide installation of conduit, wire, etc. as required by the Contract Documents.
1 Year		Onsite Comprehensive Warranty (including Travel & Living expenses)
One Lot		Freight

Subtotal of Labor and Materials: \$421,000

P&P Bonds: \$3,430

**South Carolina State Sales Tax is INCLUDED. Assumed sales tax rate is:
 7%, Included Sales Tax: \$13,321**

Total Project Cost: \$437,751

General Notes:

*** Performance and Payment Bonds ***

A Above pricing does not include Performance and Payment Bonds or other specialty insurance.

*** Sales Representation ***

Mr. Chris Taylerson, P.E., of Heyward, Inc. in Charlotte, NC, is our local Sales Representative. Chris may be reached at 704-583-2305 (Office) or 704-591-0980 (Cell).

*** Technical Questions ***

For technical or scope of supply questions contact Jason Poston, P.E., of MR Systems, Inc. Jason may be reached at 678-325-2835 (Office) or 704-918-7007 (Cell).

*** Installation of Conduit and Wire ***

This quotation **DOES NOT INCLUDE** the supply or physical installation of conduit or wire unless specifically noted above.

*** Equipment Installation ***

This quotation **INCLUDES** the physical installation of the new PLC hardware in the existing enclosures.

*** Wiring Terminations ***

This quotation **INCLUDES** the re-terminations of panel and/or field wiring where required.

*** Fiber Optics Cable ***

Customer: Cayce, SC
 Project: WTP PLC Replacements
 MR Quote #: Q18-5128, R3



October 2, 2020

Bill of Materials and Labor

Qty	Tag/Loop	Description
		This quotation DOES NOT INCLUDE the supply or physical installation of Fiber Optic Cable.
H	* Fiber Optic Cable Termination *	This quotation DOES NOT INCLUDE termination or testing of fiber optics cable.
I	* Coaxial Cable Installation *	This quotation DOES NOT INCLUDE the physical installation of coaxial cable or other related components.
J	* Installation of Communications Towers or Poles *	This quotation DOES NOT INCLUDE the supply or physical installation of Communication Towers or Poles.
K	* Contractor License Information *	MR Systems' South Carolina Electrical Contractor's License Number is M108855, EL5 (Unlimited).
L	* Professional Engineering Authorization *	As required by the South Carolina Board of Labor, Licensing and Regulation, System Integrators are required to hold a Certificate of Authorization to practice professional engineering in order to perform system integration. MR Systems' Certificate of Authorization Number is C01888.
M	* Terms and Conditions *	MR Systems, Inc. General Terms & Conditions of Sale apply to any order resulting from this quotation. Please refer to the link provided below for a copy of our General Terms and Conditions of Sale. https://www.mrsystems.com/sellersterms/

Revision Notes:

- Rev. 0 First Issue - Estimate of Probable Construction Cost - 2019-02-20 - THH
- Rev. 1 Updated for distributed PLC controls - 2020-01-31 - JAP
- Rev. 2 As Offered with Allen-Bradley CompactLogix PLC Hardware - 2020-02-24 - JAP
- Rev. 3 Added bond costs - 2020-09-22 - JAP

AGREEMENT FOR PROFESSIONAL ENGINEERING SERVICES

This Agreement is hereby made this _____ day of _____ 20____ between American Engineering Consultants, Inc. (hereinafter referred to as the ENGINEER) and the City of Cayce, SC (hereinafter referred to as the OWNER). The ENGINEER hereby agrees to serve as the OWNER'S professional engineering representative in connection with the **STANLEY L. GOODWIN WATER TREATMENT PLANT (WTP) SCADA SYSTEM UPGRADE** (hereinafter known as the PROJECT as outlined in the Project Description below). The ENGINEER proposes to assist and advise the OWNER and nothing contained herein shall confer any rights or create any duties on the part of the ENGINEER toward any person or persons not a party to this Agreement.

PROJECT DESCRIPTION:

Improvements to the existing SCADA System at the Stanley L. Goodwin WTP and associated remote sites consisting of the following: 1) installation of new Programmable Logic Controllers (PLCs) and related components to replace existing obsolete PLCs in the Main Operator Control Console, Claricone PLC Panel and High Service Pump Station PLC Panel at the WTP; 2) Upgrade of existing SCADA system computers and software at the WTP; 3) Modifications to Main Radio Panel at WTP and configuration of radio polling functionality on new WTP Main Operator Control Console PLC and replacement of existing RTUs/PLCs and telemetry equipment at the following remote locations: White Knoll Elevated Storage Tank, ETMF Storage Tank, CAE Storage Tank and Booster Pump Station, Highway 321 Storage Tank, Highway 321 Booster Pump Station and Raw Water Pump Station.

WITNESSETH:

That for and in consideration of the mutual covenants and promises between the parties hereto, it is hereby agreed:

SECTION A - ENGINEERING SERVICES

The ENGINEER shall furnish the following services:

1. ENGINEER will attend meetings and workshops with OWNER and Systems Integrator as necessary to assist in the development of a comprehensive project scope.
2. ENGINEER will review the project scope/proposal provided by Systems Integrator and make any necessary recommendations for revisions to OWNER.
3. Upon receipt of final project scope/proposal from Systems Integrator, ENGINEER will prepare Contract Documents for the Work. The Contract Documents will consist of a Contract and associated General and Supplemental Conditions for the work outlined in the proposal provided by the Systems Integrator. ENGINEER will provide three (3) copies of the Contract Documents for execution by OWNER and Systems Integrator.
4. ENGINEER will review on behalf of the OWNER submittals for hardware and software products and elementary electrical drawings and schematics furnished by the Systems Integrator.
5. ENGINEER will conduct a meeting with OWNER and Systems Integrator prior to the start of on-site work activities to review the schedule and sequence of work.

6. ENGINEER will conduct meetings and workshops with OWNER and Systems Integrator as required during System Integrator's design and engineering phase to assist with System Integrator's understanding of functional requirements of the plant processes and remote sites based on ENGINEER'S knowledge of plant processes and previous involvement design and construction of the plant and remote sites.
7. ENGINEER will provide general engineering review of the work of the Systems Integrator during the period of on-site work. The ENGINEER'S undertaking hereunder shall not make the ENGINEER an insurer of the Systems Integrator's performance.
8. ENGINEER shall provide assistance to OWNER and Systems Integrator during PLC programming and onsite program implementation and troubleshooting with regard to functional requirements of plant processes. ENGINEER will assist OWNER and Systems Integrator with troubleshooting and fine tuning of plant processes during the switchover from the existing to the new PLCs.
9. ENGINEER will conduct progress meetings with OWNER and Systems Integrator as needed during installation to review progress and any other issues related to the completion of the project.
10. ENGINEER will review the Systems Integrator's applications for progress and final payment and when approved, submit same to the OWNER for payment.
11. ENGINEER will prepare necessary contract change orders for approval of the OWNER and Systems Integrator.
12. ENGINEER will make a final review prior to the issuance of the statement of substantial completion of all work, develop a punchlist of remaining work to be completed by Systems Integrator and submit a written report to the OWNER. Prior to submitting the final pay estimate, the ENGINEER shall submit a statement of completion to the OWNER.

SECTION B - COMPENSATION FOR ENGINEERING SERVICES

1. The OWNER shall compensate the ENGINEER for the services as described above for the following LUMP SUM FIXED FEES: \$59,000.
2. The OWNER will compensate the ENGINEER on a monthly basis for all services.

SECTION C - ADDITIONAL ENGINEERING SERVICES

1. Compensation to the ENGINEER for any Additional Services not outlined above will be negotiated with the OWNER prior to commencement of the work. The ENGINEER shall render to the OWNER for such services an itemized bill, separate from any other billing, once each month, for compensation for services performed hereunder during such period.
2. The OWNER shall reimburse the ENGINEER for all direct expenses and printing costs associated with this project based on the ENGINEER'S Rate Schedule included herewith.

SECTION D - INTEREST ON UNPAID SUMS

If the OWNER fails to make any payment due the ENGINEER within 30 days for services and expenses, then the ENGINEER shall be entitled to interest at the rate of 1 1/2 % per month (18 % per annum).

SECTION E - GENERAL CONDITIONS

1. Ownership of Documents: All documents, including original drawings, estimates, specifications, field notes, and data are and remain the property of the ENGINEER as instruments of service.
2. Termination: This agreement may be terminated by either party for cause upon seven (7) days written notice should the other party fail substantially to perform in accordance with the terms of this agreement through no fault of the other. In the event of termination, the ENGINEER will be paid compensation for services performed and reimbursables incurred up to the time of termination.
3. Cancellation: Because of potentially significant revenues from other projects forgone by the ENGINEER in order to take on this project, if this project is canceled by the OWNER, a cancellation fee of 20% of the lump sum fee shall be immediately due and payable.
4. Project Restart: Because of the costs involved in stopping and restarting a project once it is underway, should the projects progress be halted by the OWNER at any time, for any reason, for a period exceeding 30 calendar days, a project restart fee of 10% of the total fee earned to date not to exceed 5% of the total fee nor less than \$1,000.00 will be immediately due and payable.
5. Hazardous Waste: The ENGINEER assumes no responsibility for any hazardous material that may be encountered on this site during the course of this project and will be indemnified and held harmless for all liability associated with the removal, encapsulation, or containment thereof. Any hazardous material required to be removed, encapsulated, or otherwise contained during the course of this project will result in compensation of the ENGINEER by the OWNER at rates as shown on the attached rate schedule for any drawings, specifications, or construction observation services as required.
6. Legal Responsibilities: Should the ENGINEER institute legal proceedings on account of alleged failure by the OWNER to perform in accordance with its terms, the OWNER shall pay for all costs, legal or otherwise, incurred by the ENGINEER in course of said action provided judgment is rendered against the OWNER in a court of law or court of arbitration.
7. Modifications to this Agreement: The OWNER may, from time to time, request changes in the scope of services of the ENGINEER to be performed thereunder. Such changes, any increase or decrease in the amount of the ENGINEER'S compensation or any other changes, modifications, additions to, or deletions from this Agreement shall only be effective upon the mutual agreement of both the OWNER and ENGINEER in writing.

8. Successors and Assigns: This Agreement shall be binding upon the parties hereto, their respective successors, heirs, executors, administrators, and assigns with the stipulation that this Agreement and any rights or responsibilities arising therefrom cannot be assigned without the prior written approval of the parties, and in the event of such assignment, this Agreement may be terminated by the non-assigning party for cause or convenience, as appropriate.
9. Notice: Any notice by the OWNER to the ENGINEER, or any notice by the ENGINEER to the OWNER, may be given and shall be deemed to have been duly served if either delivered personally or mailed in any general or branch post office enclosed in a certified or registered postpaid envelope addressed as follows:

As to the OWNER:

The City of Cayce, SC
P. O. Box 2004
Cayce, South Carolina 29171

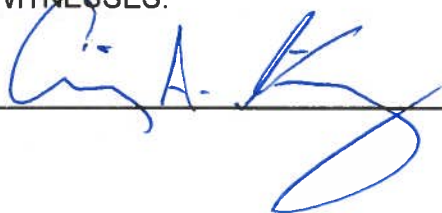
As to the ENGINEER:

American Engineering Consultants, Inc.
PO Box 2299
Cayce, South Carolina 29171

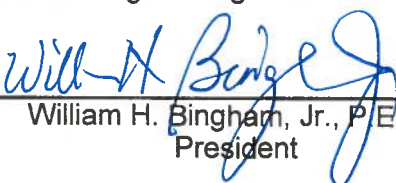
10. Period of Service: The ENGINEER'S period of service will begin upon notice from the OWNER to proceed and shall expire 30 days after the construction contractor has completed the final punch list, and if required after final approval has been obtained from SCDHEC for the PROJECT. If the OWNER requests significant modifications or changes in the scope of the PROJECT, the time of performance shall be appropriately adjusted.
11. Applicable Law: Both the ENGINEER and OWNER agree that they will comply with all applicable Federal, State, and Local laws, ordinances, and codes in the performance of this Agreement. This Agreement shall be governed by and construed in accordance with the laws of the State of South Carolina.
12. Entire Agreement:
 - a. If any provision in this Agreement shall be held to be invalid or unenforceable, the remaining portions shall remain in effect. In the event such invalid or unenforceable provision is considered an essential part of this Agreement, the parties shall promptly negotiate a replacement provision.
 - b. The failure of either party to insist upon the strict performance of any terms, conditions, and covenants herein set forth shall not be deemed a waiver of any rights or remedies that such party may have and shall not be deemed a waiver of any subsequent breach or default in the terms, conditions, and covenants herein contained.
 - c. This document contains the entire Agreement between the parties and no statement or representation not contained herein shall be valid.

By authority of the execution and witness below, the parties hereto have made and executed this Agreement this _____ day of _____ 20____

WITNESSES:



American Engineering Consultants, Inc.

BY: 

William H. Bingham, Jr., P.E.
President

City of Cayce, SC

BY: _____
Tracy Hegler
City Manager

AMERICAN ENGINEERING CONSULTANTS, INC.
RATE SCHEDULE
2020

PRINCIPAL ENGINEER	\$180.00	PER HOUR
PROJECT MANAGER	\$150.00	PER HOUR
PROJECT ENGINEER	\$130.00	PER HOUR
REGISTERED LAND SURVEYOR	\$120.00	PER HOUR
DESIGN ENGINEER	\$115.00	PER HOUR
SURVEY MANAGER	\$90.00	PER HOUR
DESIGN TECHNICIAN	\$85.00	PER HOUR
SENIOR CAD TECHNICIAN	\$80.00	PER HOUR
CAD TECHNICIAN	\$70.00	PER HOUR
SENIOR FIELD TECHNICIAN	\$80.00	PER HOUR
FIELD TECHNICIAN	\$70.00	PER HOUR
ADMINISTRATOR	\$80.00	PER HOUR
CLERICAL	\$55.00	PER HOUR
SURVEY CREW – 2 MAN	\$160.00	PER HOUR
SURVEY CREW – 3 MAN	\$240.00	PER HOUR
COPIES (24" x 36")	\$1.50	PER EACH
COPIES (30" x 42")	\$2.25	PER EACH
COPIES (8 ½ x 11)	\$0.40	PER EACH
COPIES (8 ½ x 14 or 11 x 17)	\$0.60	PER EACH
COLOR PLOTS (24" x 36")	\$20.00	PER EACH
COLOR PLOTS (30" x 42")	\$30.00	PER EACH
MYLAR PLOTS (24" x 36")	\$40.00	PER EACH
MYLAR PLOTS (30" x 42")	\$50.00	PER EACH
MILEAGE	\$0.60	PER MILE
DIRECT EXPENSES	COST PLUS 15 %	

SPECIAL SERVICES: The above Hourly Rates shall be increased by a factor of 1.5 for courtroom appearances (including preparation) and for overtime hours.

CONDITIONS: The above Rate Schedule shall be in effect through December 31, 2020. Rates are subject to change upon notification. Any revision shall be included in Documents of which this schedule is a part.

No.	Task	Start Date	Days to Complete	End Date	Phase
1	Mobilization	1/1/2021	14	1/15/2021	Design and Engineering
2	Site Research	1/15/2021	21	2/5/2021	Design and Engineering
3	Preliminary Design	2/5/2021	30	3/7/2021	Design and Engineering
4	Workshops	3/7/2021	7	3/14/2021	Design and Engineering
5	Design	3/14/2021	60	5/13/2021	Design and Engineering
6	Workshops	5/13/2021	7	5/20/2021	Design and Engineering
7	Final Design	5/20/2021	45	7/4/2021	Design and Engineering
8	In House Programming	7/4/2021	80	9/22/2021	In House Development
9	UFAT	9/22/2021	14	10/6/2021	In House Development
10	FAT	10/6/2021	14	10/20/2021	In House Development
11	Telemetry PLC Upgrade	10/20/2021	21	11/10/2021	On Site Installation
12	Plant PLC Upgrade	11/10/2021	42	12/22/2021	On Site Installation
13	SCADA Upgrade	12/22/2021	21	1/12/2022	On Site Installation
14	Final Cleanup	1/12/2022	14	1/26/2022	Closeout
15	Training	1/26/2022	10	2/5/2022	Closeout

TOTAL

400

All open positions will be advertised on the City's website and Facebook page.

COUNCIL ACTION REQUIRED

CAYCE HISTORICAL MUSEUM COMMISSION – ONE (1) POSITION

The Historical Museum Commission currently has one (1) open position. The City has received a potential member application from Mr. David Brinkman. Mr. Brinkman attended the Museum Commission's October 7, 2020 meeting and the Commission voted unanimously to recommend him for appointment.

CAYCE MUNICIPAL ELECTION COMMISSION – ONE (1) POSITION

One of the members of the Commission currently cannot serve due to health reasons. The City has received a potential member application from Ms. Augusta Thompson. Her application is attached for Council's review.

NO COUNCIL ACTION REQUIRED

The following positions have been postponed by Council until receipt of potential member applications.

ACCOMMODATIONS TAX COMMITTEE – ONE (1) POSITION

The open position must be filled by someone from the motel industry in Cayce.

CAYCE HOUSING AUTHORITY – ONE (1) POSITION

Mr. Edward Landry no longer lives in the City. There are no recommendations at this time.

STANDARD TECHNICAL CODES BOARD OF APPEALS – TWO (2) POSITIONS

Members who serve on this Board must be either an Engineer, Contractor, Architect or Design Professional. There are no recommendations at this time.



CITY OF CAYCE POTENTIAL MEMBER APPLICATION

Name: David Brinkman _____

Home Address: 2602 Riverland Drive, Cayce, SC, 29033 _____

Telephone: 803-210-7604 _____ E-Mail: dobrink@gmail.com _____

Resident of Cayce: Yes No Number of Years: 10 _____

Please indicate the Committee(s) for which you are applying:

- Accommodations Tax Committee Cayce Housing Authority Events Committee
 Consolidated Board of Appeals Municipal Election Comm Museum Commission
 Planning Commission Board of Zoning Appeals

Have you ever been convicted of a felony or misdemeanor other than a minor traffic violation?

Yes No If yes, specify below.

Work Address

Company: Motorola Solutions Inc. _____ Position: Senior Software Engineer ____

Address: 100 Innovation Pl, Lexington, SC 29072 _____

Telephone: 803-358-3248 _____ E-Mail: David.brinkman@motorolasolutions.com _____

Work Experience: 32 years Engineer for NCR, AT&T, Intel, and Motorola Solutions Corporations .

Educational Background: Bachelor of Science in Engineering in Electrical and Computer Engineering at The University of South Carolina. Associate in Engineering Technology in Electronic Engineering Technology at Midlands Technical College _____

Membership Information (Professional, Neighborhood and/or Civic Organizations):

Greater Piedmont Chapter of the Explorers Club officer and two-time Chapter Chair.

Volunteer Work: Archaeology projects for: South Carolina Institute of Archaeology and Anthropology, and SCDOT. Project lead, historian, and archaeologist for the Cayce Granby and Fort Congaree II digs.

Hobbies: Local history and archaeology. Bringing technology to history (Smart Phone history apps, Virtual Reality recreation of Fort Congaree II, Granby, and the Old SC State House.)

Return to:

Mendy Corder, Municipal Clerk

City of Cayce, PO Box 2004, Cayce, SC 29171-2004

Telephone: 803-550-9557 • Fax: 803-796-9072 • Email: mcorder@caycesc.gov



CITY OF CAYCE POTENTIAL MEMBER APPLICATION

Name: Augusta Thompson
 Home Address: 2119 Middleton St City, State, Zip Cayce, SC 29033
 Telephone: 410-322-9214 E-Mail: Augustaathompson@gmail.com
 Resident of Cayce: Yes No Number of Years: 11

Please indicate the Committee(s) for which you are applying:

- Accommodations Tax Committee Cayce Housing Authority Events Committee
 Consolidated Board of Appeals Municipal Election Comm Museum Commission
 Planning Commission Board of Zoning Appeals

Have you ever been convicted of a felony or misdemeanor other than a minor traffic violation?

Yes No If yes, specify below.

Work Address

Company: Nelson Mullins Position: Data Analyst
 Address: 1320 Main St City, State, Zip Columbia SC 29205
 Telephone: 803-255-9512 E-Mail: augusta.thompson@nelsonmullins.com

Work Experience: Nelson Mullins 2015-2020; DTI Global 2013-2015
Starbucks 1999-2013

Educational Background: Towson University 1998-2004
Midlands Tech Continuing Education 2020

Membership Information (Professional, Neighborhood and/or Civic Organizations):

Volunteer Work: Congaree Riverkeeper Volunteer

Hobbies: Reading, Re-learning to sew

Return to:
Mendy Corder, Municipal Clerk
 City of Cayce, PO Box 2004, Cayce, SC 29171-2004
 Telephone: 803-550-9557 ♦ Fax: 803-796-9072 ♦ Email: mcorder@caycesc.gov