



ADVERTISEMENT INFORMATION ONLY

Solicitation Type and Name: Request for Competitive Sealed Proposals – CivtechSA Residency Program – Year 3

Solicitation Number: 6100012526, RFCSP 20-044

Description: The City of San Antonio’s (“City”) Office of Innovation is releasing a Request for Competitive Sealed Proposals (“RFCSP”) soliciting proposals from respondents interested in applying for the City’s CivTechSA Residency (“Residency”) Program. The purpose of the Residency is to bring together local government and respondents to develop technology that addresses civic challenges. Respondents selected for the Residency will embed into a department for 16 weeks to observe challenges first-hand and work with department staff to develop a customized technology solution to the department’s challenge. Following the 16-week development period, the selected respondents will present their customized solution to the City and public at a “Demo Day.”

CHALLENGE 1: Description: The Office of Historic Preservation has worked to established itself as a resource for owners of aging or historic buildings. We frequently receive inquiries on how to make existing structures more energy efficient, especially in our warming climate. Often, the initial thought from property owners is to remove original materials, but research has proven that less invasive retrofits provide a greater return on investment while aiding in efficiency. This also prevents the detriments of unnecessary construction waste, which is the largest single-stream waste source in the United States.

The challenge is to develop an open access website, app, or tool that calculates the carbon footprint of renovation projects and suggests ways to make an existing or older home greener through adaptation strategies. This challenge is in direct response to the Climate Action and Adaptation Plan locally and the global challenge of climate change. Through this challenge, we hope to provide a fun, interactive, and accessible tool that helps quickly quantify or visualize the outcomes of various available energy efficiency interventions, including: investment cost versus rate of return; energy and water use impact; and total overall life cycle impact, from resource extraction to manufacturing to installation to projected end of life. This tool could also serve as a central bank for resources and service providers for energy upgrades, including City programs. We think this tool could help the city meet CAAP goals and empower property owners with the knowledge to make the best decisions possible for the longevity of their investment.

The challenge would require local and regional data on the impacts of energy retrofits, including an aggregation of costs and environmental impact. Some of this data is publicly available or has been supplied to us through local partners, like UTSA. Other data would need to be sourced, which could potentially be an education component of this challenge. OHP is also prepared to engage in additional partnerships or sources to obtain this information. Finally, we would also need data from city departments that administer retrofit programs, like NHSD, to include the impacts of existing programs on efficiency and carbon impact.

Technology Need: Develop an open access website, app, or tool that calculates the carbon footprint of renovation projects and suggests ways to make an existing or older home greener through adaptation strategies.

Primary Objective:

To provide a user-friendly public tool to help empower owners and renters of older buildings to make informed sustainable decisions on energy efficient upgrades, while reducing building material waste.

CHALLENGE 2: Description: The Solid Waste Management Department (SWMD) has 725 employees and travels over 7 million miles annually. Of these employees, 485 have a commercial driver’s license. Although there are laws, directives, and departmental policies that prohibit distractive behavior we routinely catch employees with their cell phones, reading maps, or eating food while driving. These behaviors place the City of San Antonio at great risk. The reason we catch these occurrences is we have an onboard solution that detects sudden impacts or braking and records the event. However, these are only the events that have a sudden shock or deceleration. We would like to identify all the other occurrences that may be happening where a driver is taking their eyes off the road. The more time a driver’s eyes are away from the road, the higher the risk. SWMD would like a solution that could identify these high-risk drivers and how much distractive driving is taking place in order to take corrective actions before an accident or near miss occurs.

The solution would need to identify and tally when distractive driving is occurring. This would be new data collected by the solution. The desired outcome is a reduction in the number of accidents.

Technology Need: Create a technology, tool, or system that helps detect and identify instances where a driver is taking their eyes off the road.

Primary Objective: Reduce the risk of accidents and distractions for SWMD drivers.

CHALLENGE 3: Description: The City of San Antonio’s Solid Waste Management Department collects of 1 billion pounds of material each year. The material is collected and taken to various facilities to be recycled, composted, or landfilled. Each truck load of material generates a disposal ticket from the facility. These tickets are provided to the drivers and manually inputted by SWMD staff to document the information. The desire is to eliminate the manual process and

implement a solution that would automate the capture of the ticket information. This will increase accuracy, minimize lost tickets, and improve efficiencies. The solution should consider optical scanners with text recognition, RFID, or barcode scanners that will capture desired information such as tonnage, ticket number, truck mileage, and truck number to be stored in a database for reporting and performance tracking.

Technology Needed: Create a tool to automate the collection of waste ticket data.

Primary Objective: To implement a more efficient process that eliminates the need for SWMD employees to manually enter waste ticket information. In turn, this would improve productivity and decrease sunken costs.

CHALLENGE 4: Description: The City of San Antonio's Solid Waste Management Department (SWMD) services approximately 360,000 residents annually with one time a week of garbage, recycling, and organics collection. SWMD seeks a contamination detection tool that will identify and capture dumped content. Additionally, it will provide the point of location of where the cart was serviced (latitude and longitude).

Technology Need: Create a contamination detection tool that will identify and capture dumped content from garbage and recycling containers.

Primary Objective: This is an effort to create a pathway towards a more sustainable city, as the SWMD has set a goal to reach a 60 percent residential recycling rate by 2025.

CHALLENGE 5: Description: San Antonio residents & customers currently travel to a myriad of siloed websites to pay bills, update personal information, or request services. This challenge is for a mobile application that is a one-stop shop for services across City departments and partners. Respondents of this challenge are required to complete a design research phase that would identify which services are critical and most frequently used by San Antonio residents, and use cases for those services. The mobile application can start small, with a handful of services and provide a streamlined point of access for residents to interface with partners across City departments. The application must explore the infrastructure required to store, host and allocate appropriate access to data generated by users of the application with respect to the highest standards of privacy and security. The application can also explore potential revenue streams for the City and partners via the mobile application. This initiative will be incorporated with the mobile services effort provided through the City Hall To-Go program.

The data sets required will be dependent on the partners & services selected for a preliminary prototype. We can provide contacts and suggestions to what services and partners may be good to start with, but also welcome the ideas of the team working on this challenge.

Technology Need: Create a mobile solution that allows citizens of San Antonio one access point to all city services.

Primary Objective: Reduce the need for citizens of San Antonio to access multiple websites or tools to acquire information or services from city entities.

Applicable Product Categories: 92040, Programming Services, Computer, Including Mobile Device Applications

Evaluation Committee

Brian Dillard, Interim Chief Innovation Officer, Office of Innovation
Craig Hopkins, Chief Technology Officer, Information Technology Services Department
John Peterek, Assistant to the City Manager, City Manager's Office
Rochelle Tijerina, Executive Director, Member and Employee Innovation, USAA
Krista Covey, Vice President of Economic Development and Operations at Velocity TX
Dax Moreno, Chief Talent Officer, TechBloc

Date Issued: Monday, January 27, 2020

Due Date & Time: Friday, March 13, 2020, 2:00 p.m. Local Time

Pre-Submittal Conference: Geekdom Event Centre, 131 Soledad, San Antonio, TX 78205, at 6:00 p.m., Central Time, on February 11, 2020.

Pre-Submittal Conference Dial-In Information:

Conference Bridge: Toll Free Dial-In Number: 1-855-850-2672

Meeting number: 993 296 071

Staff Contact Person: Kristen McAvoy, Procurement Specialist III, kristen.mcavoy@sanantonio.gov.

Respondents are prohibited from communicating with: 1) City officials, as defined by §2-62 of the City Code of the City of San Antonio, regarding the RFCSP or proposals from the time the RFCSP has been released until the contract is posted for consideration as a City Council agenda item during a meeting designated as an A session; and 2) City employees from the time the RFCSP has been released until the contract is awarded. These restrictions extend to "thank you" letters, phone calls, emails and any contact that results in the direct or indirect discussion of the RFCSP and/or proposal submitted by Respondent. Violation of this provision by Respondent and/or its agent may lead to disqualification of Respondent's proposal from consideration.

Exceptions to the restrictions on communication with City employees include:

Respondents may ask verbal questions concerning this RFCSP at the Pre-Submittal Conference.

Respondents may submit written questions concerning this RFCSP to the Staff Contact Person listed below until 2:00 p.m., Central Time, on February 26, 2020. Questions received after the stated deadline will not be answered. Questions submitted and City's responses will be posted with this solicitation. All questions shall be sent by e-mail or through the portal.

Respondents may provide responses to questions asked of them by the Staff Contact Person after proposals are received and opened. The Staff Contact Person may request clarification to assist in evaluating Respondent's response. The information provided is not intended to change the proposal response in any fashion. Such additional information must be provided within two business days from City's request. Respondents may also respond to requests by the Staff Contact Person for best and final offers, which do allow respondents to change their proposals. Requests for best and final offers will be clearly designated as such. During interviews, if any, verbal questions and explanations will be permitted. If interviews are conducted, respondents shall not bring lobbyists. The City reserves the right to exclude any persons from interviews as it deems in its best interests.

Respondents and/or their agents are encouraged to contact the Small Business Office of the Economic Development Department for assistance or clarification with issues specifically related to the City's Small Business Economic Development Advocacy (SBEDA) Program policy and/or completion of the SBEDA form(s), if any. The point of contact is identified on the below.

Respondents may contact the Vendor Support staff at (210) 207-0118 or by email at vendors@sanantonio.gov for assistance with vendor registration and submitting electronic bids.

Upon completion of the evaluation process, Respondents shall receive a notification letter indicating the recommended firm, anticipated City Council agenda date, and a review of the solicitation process.

Staff Contact Person:

Kristen McAvoy, Procurement Specialist III
City of San Antonio, Finance Department, Purchasing Division
Kristen.mcavoy@sanantonio.gov

Questions submitted and the City's responses will be posted with this solicitation.

To view this solicitation, go to the SAePS portal; <https://supplierservice.sanantonio.gov/irj/portal>. If you have not completed the City's SAePS Vendor Registration, you must do so in order to view the solicitation and submit a response. Once you have logged on to the SAePS portal, click on "My Bids" (first), if not viewable then click "Other Bids" (to view all already published competitive bids).

TO REGISTER: You will need to complete the vendor registration by accessing the SAePS Vendor Registration at <http://www.sanantonio.gov/purchasing/SAePS.aspx>. Questions regarding registration may be submitted to the SAePS Hotline at (210) 207-0118 or by email at vendors@sanantonio.gov with "SAePS Portal" on the subject line so this can be expedited.