Request for Proposals for
Chesapeake Conservancy's Conservation Innovation Center

BACKGROUND

Chesapeake Conservancy ("The Conservancy") is a 501(c) (3) organization based in Annapolis, MD. The mission of The Conservancy is "To conserve and restore the natural and cultural resources of the Chesapeake Bay watershed for the enjoyment, education, and inspiration of this and future generations. We serve as a catalyst for change, advancing strong public and private partnerships, developing, and using new technology, and empowering environmental stewardship."

Chesapeake Conservancy's Conservation Innovation Center (CIC) was established in 2013 to use cutting-edge technology to empower data-driven conservation and restoration.

DESCRIPTION OF SERVICES REQUESTED:

The Conservancy's Conservation Innovation Center (CIC) desires the services of a geospatial technical company or consultant over a period of one year to support CIC staff in the management of map services and data with ArcGIS Enterprise. We also seek support in geospatial analysis optimization with python and cloud computing. Work will be conducted in a collaborative manner with the CIC team.

Skills and Experience

- Eight or more years of relevant experience in creative GIS development and management of complex geospatial cloud-/web-based infrastructure management, specifically ArcGIS Enterprise and Microsoft Azure platforms
- A demonstrated track record of successful collaborative coding projects, timely and responsive communication, and teaching clients best practices and workflows for managing web and data infrastructure
- Familiarity with ArcGIS Enterprise licensing, product updates, and security issues

SCOPE OF WORK:

Geospatial analysis leveraging cloud-based infrastructure

- Geospatial analysis support- collaborative code planning, architecting, and testing sessions

- Cloud architecture support-leverage Microsoft Azure platform to expand capacity for cloud-based computing and potentially housing web infrastructure

IT support/Esri web infrastructure management

- ArcGIS Server and Portal monitoring - optimize ArcGIS Enterprise installation; establish best practices for publishing services/maps/apps to web infrastructure
- Security, alerts, updates, and patches for ArcGIS Enterprise infrastructure elements

DELIVERABLES:

1. Approximately 20 hours of code sessions including planning, collaborative coding, and testing relevant scripts
2. Recommendations on uses and best practices for cloud-based computing and capacity for hosting web infrastructure
3. Assessment of current geospatial web infrastructure including ArcGIS Server and Portal
4. Implementation of recommended changes/updates etc. based on initial assessment
5. Knowledge transfer to CIC team members of recommended best practices for web infrastructure management and related workflows, to ensure efficient, secure, and sustainable management

BID PROPOSAL SUBMISSION

Proposals including proposed budget (up to $25,000) with hourly rates shall be emailed to Emily Mills, Geospatial Technology Manager at emills@chesapeakeconservancy.org and will be accepted until Wednesday, August 12, 2020.

Any supplemental information may be mailed to:

Chesapeake Conservancy, Inc.
716 Giddings Avenue, Suite 42
Annapolis, MD 21401