Attachment M - EDXMinimumRequirements

EDX Energy Data eXchange
Minimum Specific Requirements

The minimum specific requirements do not cover all technical skills that will be required to support EDX throughout the life of the contract but they do specify technical skills that are required to be available on Day 1 of the contract.

EDX is built upon the Comprehensive Knowledge Archive Network (CKAN) open-source data portal so it is expected that the Contractor shall be technically competent in CKAN in order to develop and maintain EDX. Included in this expectation is technical competence in Python and GIT repository support.

EDX includes the development of custom models that people can download and run on their own computer. Future development is expected to provide Docker containers for the codes and tools that can be run through EDX. The Contractor is expected to provide technical competence in Docker, Python, C++, and JavaScript.

EDX has deployed Rocket.Chat so it is expected that the Contractor shall provide—at a minimum—familiarity with configuration and maintenance of this communications platform.

EDX has deployed ArcGIS Enterprise Online to AWS for displaying data in some of its tools and is currently in the process of moving from a Linux platform to a Windows platform. The Contractor is expected to provide—at a minimum—familiarity with ESRI servers and ARC-products. The Contractor is expected to handle back-end development, including storing data either in the cloud or on NETL servers, authorizing accounts, backups, and data updates for the ArcGIS cloud environment.