Briefing Paper — F300 and F1000 Applications

Date: 21 Dec 2020

Subject: F300 Initial Fire Report and F1000 Fire Report Applications

Desired Outcomes:
Decommission the F300 and F1000 applications by February 2022.

Introduction / Background:
The DNRC has used the F300 (Initial Fire Activity) and F1000 (Fire Report) applications for the last 20 years. These applications have served us well over that time but, as reporting requirements have changed and the software has reached its lifespan, we now struggle to meet our fire data needs; including meeting important federal reporting requirements. In addition, our ability to maintain and update the software has also become an issue. Recently we found OIT no longer has the capability to make routine updates and fix even minor issues as they arise; requiring the use of expensive contracted services.

Key Points / Discussion:
In the next 12-18 months we will be required to upgrade the operating systems of the F300 and F1000 servers to the most recent versions, currently scheduled to start December 2021. At the same time, other subsystems of the supporting software will also require upgrades. Consequently, applications may need modification to function with the upgraded software. DNRC has several applications built on older software versions, including F300 and F1000. Until we set up a test server and move the applications over, we will not know if additional work will be required to keep the F300 and F1000 operational. Previous software upgrades have required significant work to the application, and we expect the same for these upgrades.

Actions and Timelines:
The Fire Protection Bureau and OIT are working to implement the Financial Code Generator to replace the F300 and transition to Interagency Fire Occurrence Reporting Modules (InFORM) to replace the F1000 for the 2021 fire year. Currently the FDO and FPB plan to rollover the F300 and F1000 applications so they are ready to function in the 2021 fire year if required. The rollovers for the F300 and F1000 will likely not include significant preseason updates to incident numbers or financial codes from last year. These efforts will make ready the applications if they need to be used in the 2021 fire year before the Financial Code Generator and InFORM come online.

Decommission and Legacy Data:

F300- The FDO has identified a need for data in the F300. They plan to extract the data through CSV files for their needs/records. We plan to maintain the front-end application and backend MS SQL database for the F300 through the 2021 fire year. But once the 2019 server operating system upgrade happens, the application will be decommissioned and no longer connected to the database. We do plan to maintain the MS SQL database, but after the upgrade it will not be accessible through the current application.

F1000- The FPB has identified a need for fire occurrence records in the F1000 and previous year end county fire occurrence data. Currently our annual NASF uploads have the most data for both state and county fires. Through the 2021 fire year we will have access to the F1000 reports section for any quarries or summaries that need to be run on historic data. Any current year data for 2021 queries or summaries will be run through InFORM. When a national fire occurrence data warehouse is established, we will move the DNRC legacy data from our NASF uploads to the national data warehouse. We plan to maintain the front-end application and backend MS SQL database for the F1000 through the 2021 fire year. But once the server operation system upgrade happens the application will be decommissioned and no longer connected to the database. We do plan to maintain the MS SQL database but after the upgrade it will not be accessible through the current application.

Please contact Matt Hall if you have needs or questions.