**Cover note:**

Per last week’s call, I put together a list of fields that would be useful output data for validation of cumulative data.  With all the tabs, there’s a lot of repetition.  It mostly boils down to 5 formulas and 3 data validations that cross periods (example: Contracts tab section 5-7).  If adding a view in Render with these fields and the ability to cut/paste from UI to Excel is doable by about January 5th, this would make data validation much smoother on our end.

On page 3 are fields for a Project Level Summary Data report.  RI manually generated something similar for the first period, but it would be fantastic if USDR could generate from Render for future periods.

As discussed today, the RI and Ohio teams are still reviewing this.  Some of the comments are for the state review.

Let me know if you have questions.

**Suggested fields for CRF State Use Output File 1 – Period and Cumulative Data by Award**

Contracts Tab

1. Agency Code (alpha code from Cover tab column A)
2. Project ID
3. Subrecipient Legal Name
4. Contract Number
5. Contract Amount (column F), each period
   1. Formula: current period Contract Amount – prior period Contract Amount = Current Quarter Obligation. If not equal, need error message.
6. Current Quarter Obligation (column R), each period
   1. Formula: Cumulative Obligation Amount
   2. Formula: Cumulative Obligation Amount = current period Contract Amount. If not equal, need error message.
7. Total Expenditure Amount (column U), each period
   1. Formula: Cumulative Expenditure Amount
   2. Formula: Cumulative Expenditure Amount ≤ Cumulative Obligation Amount. If not, need error message.

Grants Tab

1. Agency Code
2. Project ID
3. Subrecipient Legal Name
4. Award Number
5. Award Amount (column F), each period
   1. Formula: current period Award Amount – prior period Award Amount = Current Quarter Obligation. If not equal, need error message.
6. Current Quarter Obligation (column T), each period
   1. Formula: Cumulative Obligation Amount
   2. Formula: Cumulative Obligation Amount = current period Award Amount. If not equal, need error message.
7. Total Expenditure Amount (column W), each period
   1. Formula: Cumulative Expenditure Amount
   2. Formula: Cumulative Expenditure Amount ≤ Cumulative Obligation Amount. If not, need error message.

Loans Tab

1. Agency Code
2. Project ID
3. Subrecipient Legal Name
4. Loan Number
5. Loan Amount (column E), each period
   1. Formula: current period Loan Amount – prior period Loan Amount = Current Quarter Obligation. If not equal, need error message.
6. Current Quarter Obligation (column P), each period
   1. Formula: Cumulative Obligation Amount
   2. Formula: Cumulative Obligation Amount = current period Loan Amount. If not equal, need error message.

Transfers Tab

1. Agency Code
2. Project ID
3. Subrecipient Legal Name
4. Transfer Number
5. Transfer Amount (column E), each period
   1. Formula: current period Transfer Amount – prior period Transfer Amount = Current Quarter Obligation. If not equal, need error message.
6. Current Quarter Obligation (column I), each period
   1. Formula: Cumulative Obligation Amount
   2. Formula: Cumulative Obligation Amount = current period Transfer Amount. If not equal, need error message.
7. Total Expenditure Amount (column L), each period
   1. Formula: Cumulative Expenditure Amount
   2. Formula: Cumulative Expenditure Amount ≤ Cumulative Obligation Amount. If not, need error message.

Direct Tab

1. Agency Code
2. Project ID
3. Subrecipient Legal Name
4. Obligation Amount (column D), each period
   1. Formula: current period Obligation Amount – prior period Obligation Amount = Current Quarter Obligation. If not equal, need error message.
5. Current Quarter Obligation (column F), each period
   1. Formula: Cumulative Obligation Amount (column F)
   2. Formula: Cumulative Obligation Amount (F’s) = current period Obligation Amount (D). If not equal, need error message.
6. Total Expenditure Amount (column I), each period
   1. Formula: Cumulative Expenditure Amount
   2. Formula: Cumulative Expenditure Amount ≤ Cumulative Obligation Amount. If not, need error message.

Aggregate Awards < 50000

1. Agency Code
2. Project ID
3. Funding Type
4. Current Quarter Obligation (column C), each period
   1. Formula: Cumulative Obligation Amount
5. Current Quarter Expenditure/Payments (column D), each period
   1. Formula: Cumulative Expenditure Amount
   2. Formula: Cumulative Expenditure Amount ≤ Cumulative Obligation Amount. If not, need error message.

Aggregate Payments Individual

1. Agency Code
2. Project ID
3. Current Quarter Obligation (column B), each period
   1. Formula: Cumulative Obligation Amount
4. Current Quarter Expenditure (column C), each period
   1. Formula: Cumulative Expenditure Amount
   2. Formula: Cumulative Expenditure Amount ≤ Cumulative Obligation Amount. If not, need error message.

**Suggested fields for CRF State Use Output File 2 – Project Level Summary Data**

1. Agency Code
2. Project ID
3. Project Name
4. Project Status (current period only)
5. Project Description
6. Formula: Project Cumulative Obligation Amount
   1. Sum of all periods
      1. Contracts column R,
      2. Grants column T,
      3. Loans column P,
      4. Transfers column I,
      5. Direct column F,
      6. Aggregate Awards column C,
      7. Aggregate Individuals column B
7. Formula: Project Expenditure Amount, separate column for each period
   1. Sum of single period
      1. Contracts column U,
      2. Grants column W,
      3. Loans column P,
      4. Transfers column L,
      5. Direct column I,
      6. Aggregate Awards column D,
      7. Aggregate Individuals column C
8. Formula: Project Cumulative Expenditure Amount
   1. Sum of #5, all periods

Formulas: Cumulative Amounts fo each Expenditure Category