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EIS Appendix Generation Modernization

Frankie Nuffer-Rodriguez

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What is an EIS Appendix?

- EIS = Environmental Impact Statement
- EIS Appendix = EIS modeling attachment
 - CalSim, DSM2, and HEC5Q modeling results
 - Helps provide in-depth documentation of how alternatives perform in these models



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Final Environmental Impact Statement

Long-Term Operation of the Central Valley Project and State Water Project

Central Valley Project, California

Interior Region 10 - California Great-Basin



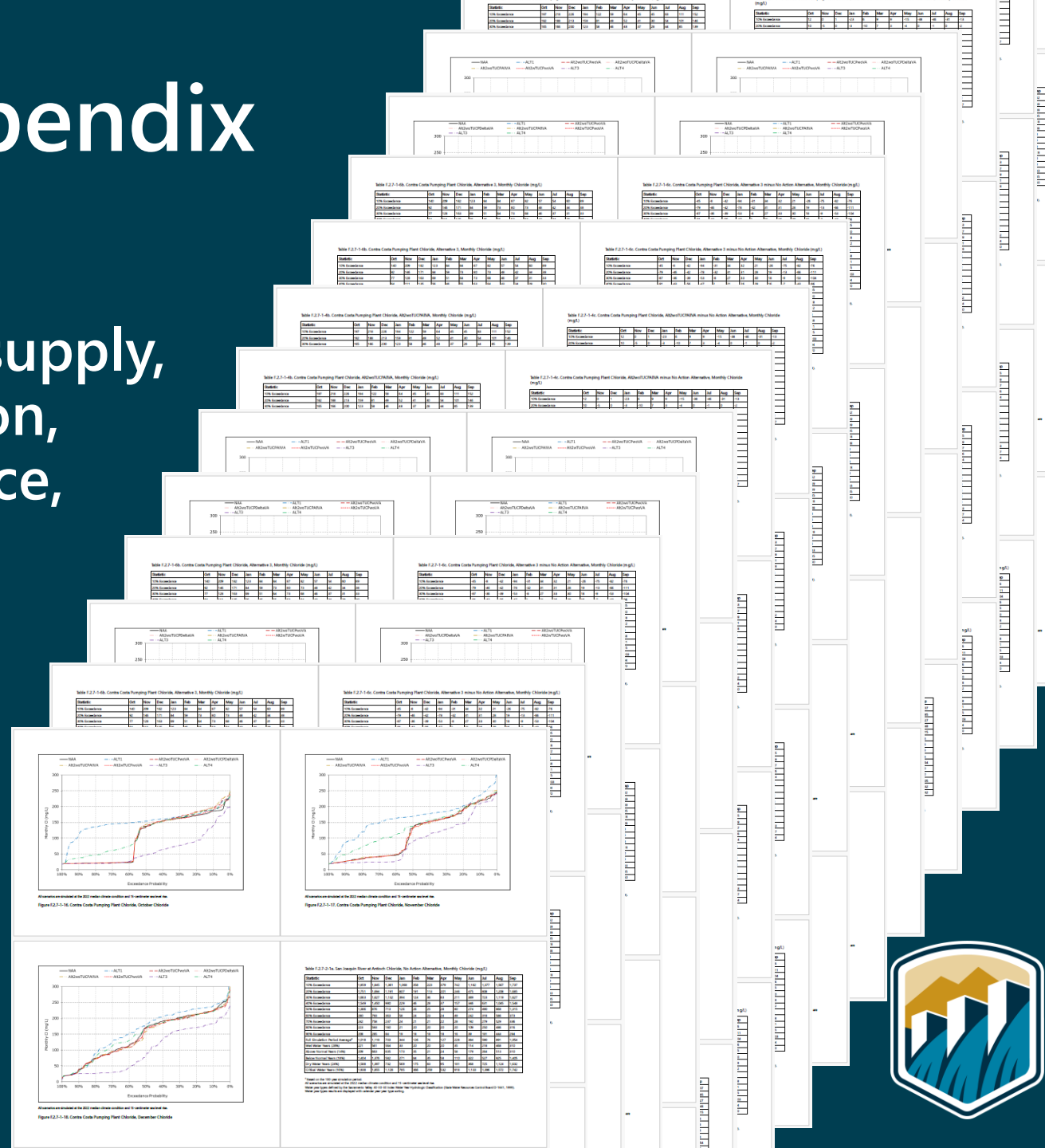
U.S. Department of the Interior

November 2024



What does an EIS Appendix look like?

- Storage, flow, diversions, water supply, electrical conductivity, X2 position, chloride, water quality compliance, and temperature results
- Monthly tables and graphs for different locations
- Most recent LTO this was 3766 pages
 - Appendix F Attachment 2-1 through 2-11



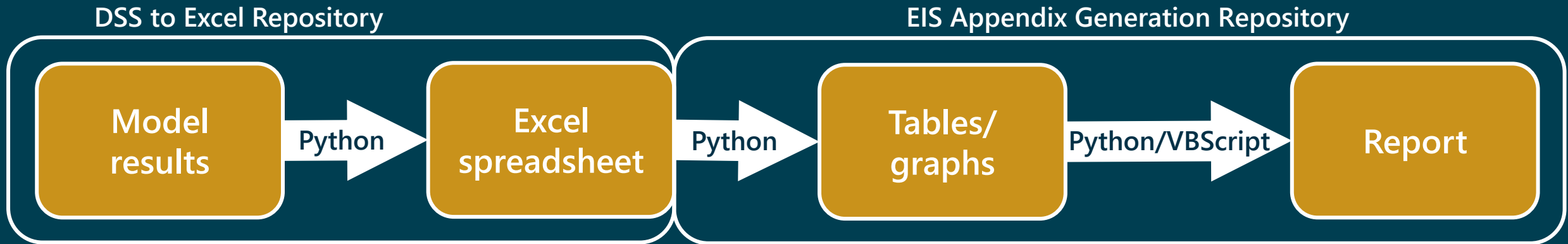
How did we previously make EIS appendices?

- Spreadsheets, spreadsheets, spreadsheets



Now how do we make them?

- Python, Python, Python

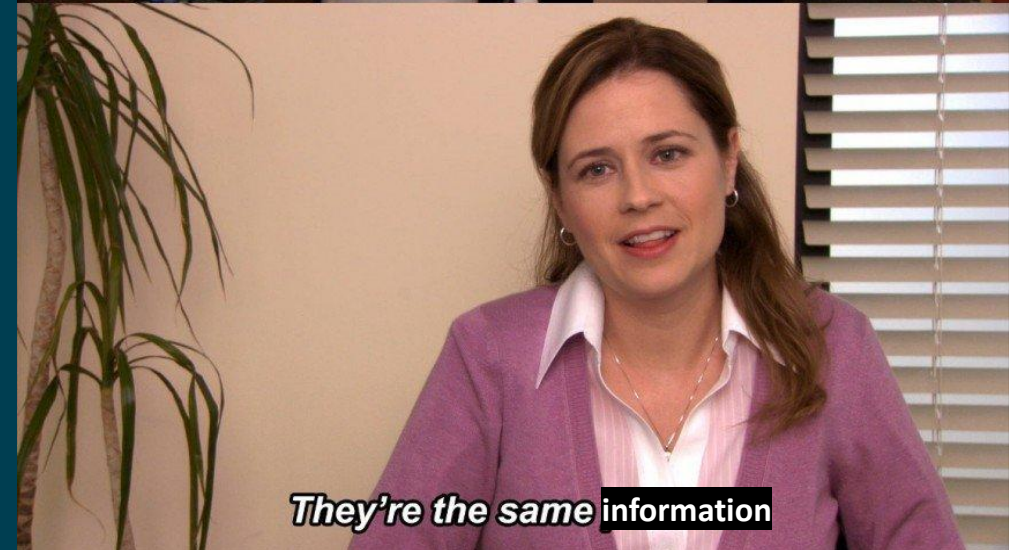
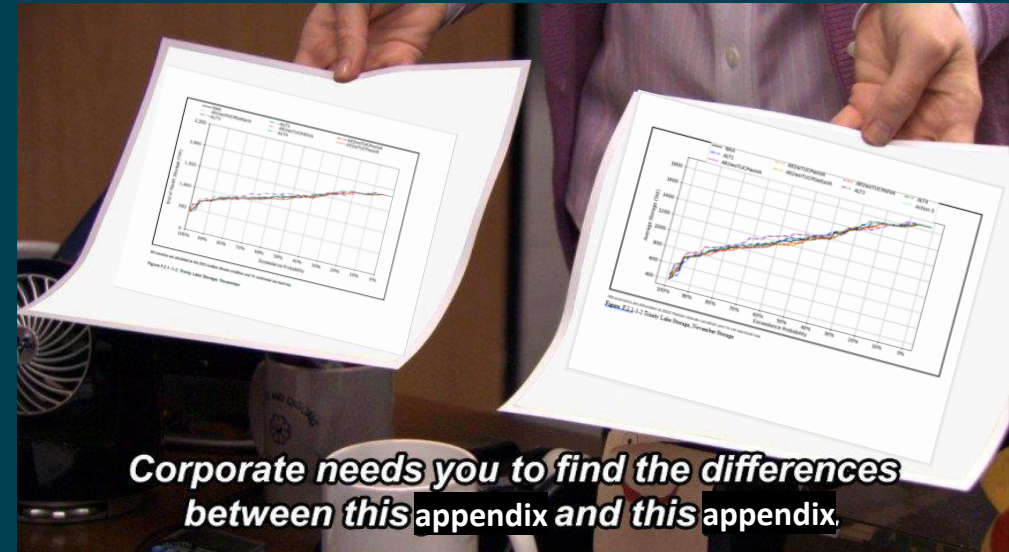


- Open sourced on Reclamation's GitHub so anyone can make an appendix!



What is the same?

- Same data, tables, and graphs
- Same layout
- Still 508 compliant



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What is different?

- Orders of magnitude faster
- Lots of manual effort → almost none
- Reduced room for error



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Ryan Lucas rlucas@usbr.gov

Frankie Nuffer-Rodriguez fnufferrodriguez@usbr.gov

<https://github.com/DOI-BOR/EIS-Appendix-Generation>

<https://github.com/DOI-BOR/DSS-to-Excel-Reader>



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