



UNRBA
Modeling and
Regulatory Support
Path Forward Committee
Meeting
June 2017



June 7, 2017

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Modeling QAPP



Modeling QAPP – Status

- > Distributed draft QAPP to PFC and DWR on May 4th
- > Received comments through May 30th
 - Tom Davis (Orange County/PFC)
 - Agricultural representatives
 - Pam Behm (DWR)
 - Andy McDaniel (NCDOT)
- > Review example comments today
- > Distribute revised QAPP with preliminary responses to comments to the MRSW by June 14th
- > Meeting to discuss outstanding comments on June 20th



Modeling QAPP – Example Comments

- > Stakeholder interests in providing input on data sets and assumptions early in the project
- > Technical notes from ag regarding consultation with ag representatives (assumptions, data interpretation, crop requirements relative to nutrient inputs, land use data)
- > USEPA Municipal Screener may not reflect types of costs relative to ag communities or broader societal costs
- > Comments on additional datasets and names of datasets/sources
- > Explicitly allocate time for agency review in schedule; consider independent review
- > Involve EPA and DWR Classification and Standards staff in review process



Modeling QAPP – Example Comments

- > Clarification on the “lines of evidence UNRBA intends to pursue” with respect to evaluating regulatory options
- > Clarification on how designated uses will be evaluated to determine the extent of impact; what data has been or will be collected?
- > Suggestions to use the same performance criteria that DWR used for their models
- > Reminder to use open-sourced, publicly available models with documentation of any modifications/customization
- > Suggestion to add the Nutrient Study by the Collaboratory and Rules Readoption process to regulatory background
- > List of calibration locations and specific parameters

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Draft Multiyear Work Plan



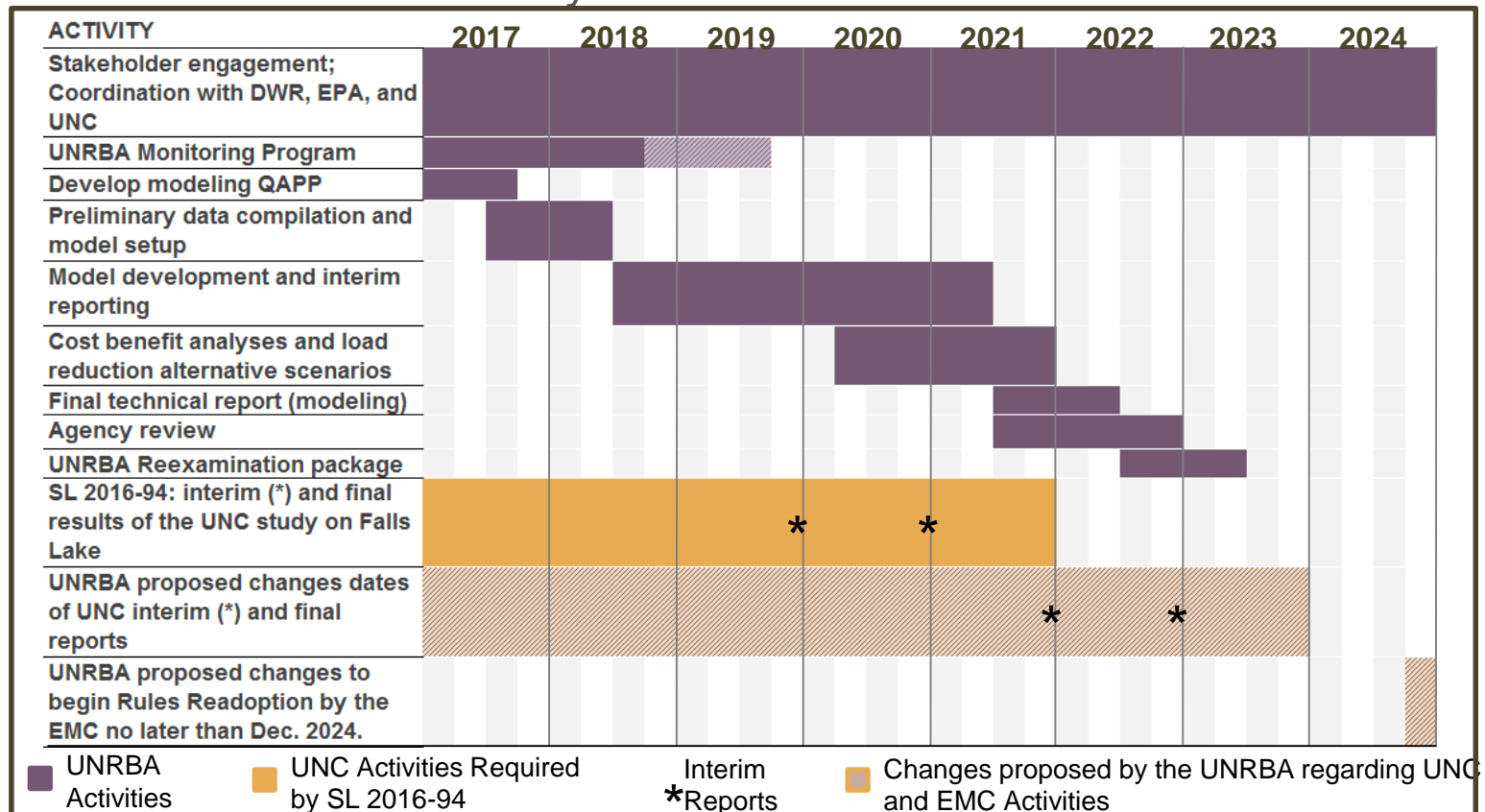
Draft Work Plan – Multiyear

- > Presents anticipated schedule of activities for next six years
- > Relates schedule to proposed changes to UNC nutrient study deliverables and rules readoption
- > Provides example activities and budgets for the monitoring and modeling/regulatory support activities



Draft Work Plan – Multiyear

- > Presents anticipated schedule of monitoring and modeling activities for next six years





Potential Budget Progression for MRS

- > Budgets will be determined from level of monitoring program

FY	Potential Monitoring Program Budget	Potential Modeling and Regulatory Support Budget
FY2018*	\$552,800	\$280,000
FY2019	\$220,000	\$530,000
FY2020	\$150,000	\$600,000
FY2021	\$150,000	\$600,000
FY2022	\$150,000	\$440,000
FY2023	\$150,000	\$200,000

*Budgets supplemented from unspent funds in previous monitoring years.

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Draft Year 2 Work Plan



Draft Work Plan – Example Activities for Next Year

- > Develop the EFDC model grid
- > Review the FY2018 Monitoring Program Annual Report and recommendations regarding the need for a 5th year of data
- > Compile and summarize watershed characterization datasets
- > Work with stakeholders to ensure that data sets and assumptions are appropriate, accurate, and reflect the best available information
- > Develop a data management plan
- > Begin exploratory analyses for statistical modeling

