

PROGRESS REPORT
Springfield Supplemental Water Supply Project
Supplemental EIS—Progress Report
Period Ending: September 23 2016

1. ACTIONS PERFORMED OR COMPLETED THIS PERIOD

Phase I: NEPA Scoping and Preliminary Coordination

Phase I - Task 1: Cooperating Agency Meetings/Scoping Meetings/Project Meetings

- Routine coordination and management calls
- Notices and Outreach
 - NOI completed and published in Federal Register on 8/15/16
 - Assist USACE in development and transmittal of letters to stakeholders
 - Support development of scoping meeting notice for newspapers
 - Support development of press release
 - SharePoint site developed. Internal AmecFW training required prior to “launch”
- Meetings
 - Consultation meeting with USFWS June 15, 2016
 - Project Kickoff and Consultation meeting with USACE/IEPA on July 7, 2016
 - Internal meeting with Northwater on July 27, 2016
 - Public Informational/Scoping Meeting: August 24, 2016
 - Draft Scoping Meeting Summary prepared
 - Agency consultation meeting: September 16, 2016

Phase I - Task 2: Data Collection/Record Maintenance

- Data Collection and File Maintenance: development of project file and Library (documents and GIS coverages) is on-going.
- Project schedule prepared and submitted (July 6 and September 23, 2016 versions)

Phase I - Task 3: Draft EIS Chapter 1, Purpose and Need

- AmecFW has prepared a preliminary Purpose and Need for internal review. This work is on-going and is dependent on the outcome and resolution of the water demand analysis.

Phase I - Task 4: Public Involvement Support

- Development of an initial list of Frequently Asked Questions (FAQ)
- Input and support to development of CWLP website completed
- Support for public meeting: preparation of boards, PPT presentation,

sign in sheets, name tags, etc.

Phase II. Alternatives Analysis

Phase II – Task 1. Verification of the City’s Alternative Analysis and Water Demand Analysis

- Reports and Deliverables in support of Alternatives Analysis (all Draft) submitted September 23, 2016:
 - Technical Memorandum: Data Gap Analysis
 - Technical Memorandum: Cost Estimate Review
 - Technical Memorandum: Gravel Pit Hydrogeologic Analysis
 - Technical Memorandum: Water Demand Analysis

Specific needs that are requested of CWLP in support fo the completion of the water demand analysis include the following:

- Medical center water use
- Clarification from CDM as to basis of 5% high growth (annually or from 2010 to 2040)
- Power Plant water use per unit
- Plans for power plant unit retirement
- Forced evaporation numbers

Phase II – Task 2. Identification, Screening and Analysis of Alternatives

- General categories of alternatives being considered include the following:
 - No Action
 - Develop a new water supply reservoir
 - Use existing surface water reservoir
 - Develop new groundwater well systems, pump stations, and pipelines
 - Dredge Lake Springfield
 - Hybrid – utilizing two or more alternatives
 - Conservation measures apply to all alternatives, including the No Action Alternative
- Work is on-going in consideration of the outcome of the demand analysis to identify those alternatives that are “reasonable” and appropriate for further examination in the SEIS.
- Water Quality Issue
 - This task is strongly influenced by on-going discussions and analyses regarding the ability of reservoir alternatives to meet phosphorous limits and obtain Section 401 Water Quality Certification by IEPA.
 - In conjunction with this issue, outcomes regarding loading analyses being performed by Northwater are critical to predictions regarding water quality characteristics of the Hunter Lake alternative.

- Additionally, this issue has important implications regarding the configuration of the Hunter Lake alternative (size, tributary BMPs, cost, water yield, etc.) that need to be resolved in conjunction with the progression of a screening analysis.
- Additional work is on-going in support of the alternative screening process

Phase II – Task 3. Additional Services

- HEC-RAS Modeling
 - Work has been initiated in the development of the HECRAS analysis for Horse Creek downstream of the proposed Hunter Lake Dam
 - Work on this task has been suspended based upon the outcome of on-gong discussions regarding the reconfiguration of the Hunter Lake alternative as this may effect routing within the lake and discharge characteristics of the dam
 - Biological Resource Studies
 - Waters of the US Delineation Report: work on this element is underway and being supported by field delineation efforts at Hunter Lake and other alternatives (selective field investigations). Field work is estimated to be 80% complete at Hunter Lake.
 - Bat Habitat Assessment and Presence/Absence Survey:
 - Bat field surveys have been completed
 - Draft bat report issued on September 23, 2016
2. DATA AND RESULTS RECEIVED THIS PERIOD
- Public and agency comments on scoping process
 - Results of bat survey at Hunter Lake
 - Preliminary results of wetland delineation at Hunter Lake
3. PLANNED ACTIONS FOR NEXT PERIOD
- Completion of Scoping Report
 - Receipt of comments on Draft bat report and issuance to USFWS and IDNR
 - Preparation of draft Waters of the US Delineation Report
 - Completion of draft Purpose and Need
 - Continuation of resolution of alternative development and screening analysis
 - Submittal of Alternative Screening Technical Memorandum
 - Continue to maintain data and manage Administrative Record
4. SCHEDULE
- An updated project schedule has been developed that integrates and statuses work performed to date. See attached.
 - Current schedule identifies publication of Draft SEIS on

July 19, 2017.

- Risks to schedule include the following:
 - Development of required inputs to establish water need (Yield vs. Demand)
 - Resolution to critical input regarding ability to permit (IEPA Water Quality Certification) a new reservoir that does not achieve phosphorous standards
 - Development of modified reservoir alternative that optimizes mitigation of water quality issues
 - New species proposed for Federal listing: patched-back bumblebee
- Schedule risk mitigative measures
 - CWLP to engage consultant to clarify water demand inputs to need analysis
 - Schedule field review meeting with USACE, USEPA, IDNR as needed to obtain early concurrence on wetlands/"waters of US" delineation
 - Establish meetings with IEPA to resolve permit issue.
 - Obtain early result from Northwater to predict phosphorous loading and effectiveness of mitigative measures. Based upon outcome, develop attributes of "mitigated" alternative.
 - Endangered species: proactively work with USFW to maintain "informal" consultation status on bumblebee, press for included mitigative measures to avoid field surveys.

5. CHANGES IN PERSONNEL

- None.

END OF PROGRESS REPORT