



IMPLEMENTING YOUR DISPOSAL SOLUTION

Walter Willis, *Shaw Environmental*

- Evaluating Options and Reaching Consensus
- Project Financing
- Project Implementation
- Questions and Answers



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EVALUATING OPTIONS AND REACHING CONSENSUS

- Political / public education and input:
 - Affected parties include elected officials, local industry and business owners and citizens
 - The parties need to be educated about the waste management alternatives, costs and advantages / disadvantages of the alternatives
 - The parties need an opportunity to provide feedback
 - Staff's job is to implement a process that provides the information and an opportunity for feedback
 - Elected officials must ultimately consider the feedback and make a policy decision



EVALUATING OPTIONS AND REACHING CONSENSUS (cont'd)

- Legal:
 - The legal issues need to be identified early in the evaluation process, including applicable local approvals (zoning / siting) and compliance with Iowa's planning code and rules
 - The need for contracts, agreements, procurement of good and services, etc. must be identified and built into the project schedule



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EVALUATING OPTIONS AND REACHING CONSENSUS (cont'd)

- Technical:
 - The design and operating options must be fully explored
 - Experience of other planning areas implementing various design / operating options should be researched
 - The permitting requirements must be met
 - A project implementation schedule must be developed



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EVALUATING OPTIONS AND REACHING CONSENSUS (cont'd)

- Economic:
 - Engineering cost estimates for each option must be developed
 - The data should be sensitized to local conditions
 - Cost estimates must address the short-term and long-term costs for each option
 - Ultimate impact on tipping fees and per capita assessments must be estimated
 - If Iowa moves to greater regionalization of landfills and transfer stations, system costs will come down due to economies of scale – this message should be communicated to all ratepayers



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PROJECT FINANCING

- Tipping fees / per capita assessments:
 - Utilize the formulas presented in the economics portion of the presentation to compare total system costs
 - This information should be shared early in the decision-making process with local industry and business and citizens
 - Tipping fees / per capita assessments should be established to ensure that system costs are funded on an ongoing basis in order to avoid the need for borrowing as much as possible



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PROJECT IMPLEMENTATION

- Site evaluation / fatal flaw analysis:
 - Identifying a potential site or sites may be a relatively straightforward process or a more elaborate site selection study / mapping process
 - Once a potential disposal site is identified, a site evaluation / fatal flaw analysis must be performed
 - Site evaluation / fatal flaw analysis considers both exclusionary criteria (e.g. floodplain) and subjective criteria (e.g. impact on surrounding land uses)



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PROJECT IMPLEMENTATION (cont'd)

- Preliminary design:
 - Incorporate and integrate proposed waste management options for the site (e.g. recycling, white goods, HHW, landfill footprint, scalehouse)
 - Design should optimize natural features associated with the property
 - Develop draft site plan and circulate to planning area staff for review and comment
 - Develop draft set of design drawings sufficient for state permitting
 - Provide opportunity for planning area staff to review and comment on the preliminary design drawings



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PROJECT IMPLEMENTATION (cont'd)

- Local zoning / siting approval:
 - Consult legal counsel for opinion on zoning / siting requirements
 - Build time into schedule if applicable

- Permitting:
 - Build time into schedule

- Final design and construction:
 - Procurement considerations
 - Construction season / scheduling



QUESTION & ANSWER



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