



# Region C Water Planning Group Meeting

TRA Central  
Wastewater Treatment  
Plant

April 19, 2004

# Agenda

- Discussion Items
  - Status of Request for Supplemental Funding
  - Update Task 3 – Current Water Supplies
  - Water Management Strategies
  - Update on Water Conservation and Reuse
  - Public Participation
  - Speaker Comments (March 22 RCWPG mtg)
  - Overall Status and Next Steps

# Discussion Item

Status of Request for  
Supplemental Funding

# Request for Supplemental Funding

- Total requested amount of \$442,355.55
- Publishing notice in papers was about \$6,000 less than originally expected. We adjusted the request accordingly.

# Request for Supplemental Funding

- Executive Committee approved the request on March 30
- Request submitted to the TWDB on March 31
- Notice was mailed to required list of persons and was published in the Fort Worth Star-Telegram and the Dallas Morning News on April 1

# Request for Supplemental Funding

- TWDB will make final recommendations to their Board on May 19
- Contracts should be signed shortly after the TWDB Board's decision

# Discussion Item

Update Task 3 – Current  
Water Supplies

# Update on Surveys

- Surveys mailed to County Judges on April 2
- Surveys mailed to wholesale water providers on April 8
- Surveys sent to water user groups on April 14  
(approximately 100 were sent by email)



# Update on Surveys

- Requested responses to surveys by April 30
- Consultants will follow-up with phone calls after April 30
- Consultants have scheduled meetings with 9 of the providers. We are contacting the remaining providers to meet with them if they would like.

# Update on Surveys

- Survey responses received as of April 16:
  - 3 County Judges
  - 1 Wholesale Water Provider
  - 0 Water User Groups (these just went out on Wednesday)

# Discussion Item

Feasibility of Water  
Management Strategies

# Feasibility of WMS

- Voluntary redistribution of water resources
- Voluntary subordination of existing water rights
- Yield enhancement
- Drought management measures
- Water quality improvement

# Voluntary Redistribution of Water Resources

- *2001 Region C Water Plan*
  - Included as voluntary transfer of water rights
  - No specific water rights transfers in the plan, but the plan allows for voluntary transfers of water rights as needed and desired by the owners of the water rights
  - Conclusion: Allow voluntary transfers of water rights as needed and desired by the water rights holders

# Voluntary Redistribution of Water Resources

- Suggestions for 2006 Plan
  - Conclusion: Allow voluntary redistribution of water resources as needed and desired by the water rights holders/owners of the resources (willing buyer/willing seller)

# Voluntary Subordination of Existing Water Rights

- *2001 Region C Water Plan*
  - Most useful when senior hydropower rights limit reservoir yields
  - Very limited additional yield available in Region C
  - Conclusion: Not recommended as source of water supply
- *Suggestions for 2006 Plan*
  - Conclusion: Not recommended for the same reasons as 2001 Plan

# Yield Enhancement

- 2001 *Region C Water Plan*
  - Artificial recharge of aquifers
    - Has not been implemented or studied in detail in Region C, but would probably be part of aquifer storage and recovery program (ASR)
  - System operation of reservoirs
    - Enhances yield, reduces pumping costs, and maintains water quality
    - Will be discussed as a separate item later this spring/summer



# Yield Enhancement

- Conjunctive use of surface water and groundwater
  - Applied by some Region C suppliers – typically using groundwater to meet peak needs. This does not increase total supply. (discussed separately)
- Conclusion: Not recommended, except for reservoir operation as discussed separately

# Yield Enhancement

- Suggestions for 2006 Plan
  - Conclusion: Not recommended for the same reasons as 2001 Plan, except for system operation (which could include surface water or groundwater) that will be discussed separately.

# Drought Management Measures

- *2001 Region C Water Plan*
  - Intended to preserve supplies for most essential uses when supplies are threatened
  - Important planning tool for all water suppliers
  - Not reliable source of additional supplies to meet growing water demands
  - Backup plan in case the supplier encounters a drought worse than the drought of record or if a supply is not completed before it is needed

# Drought Management Measures

- Conclusion: continue efforts to implement drought contingency and emergency response planning, but do not treat these as water management strategies to provide additional long-term supplies
- Suggestions for 2006 Plan
  - Conclusion: Not recommended to provide long-term supplies for the same reasons as 2001 Plan

# Water Quality Improvement

- 2001 *Region C Water Plan*
  - Included as control of naturally occurring chlorides
  - Chloride control has been studied in Brazos and Red Basins and should continue to be monitored
  - Chloride control projects are not expected to have a significant impact on chloride levels in Lake Texoma
  - Conclusion: Continue to monitor chloride control projects. Do not include chloride control of naturally occurring chlorides as a source of water supply.

# Water Quality Improvement

- Suggestions for 2006 Plan
  - Conclusion: Not recommended for the same reasons as 2001 Plan

# Discussion Item

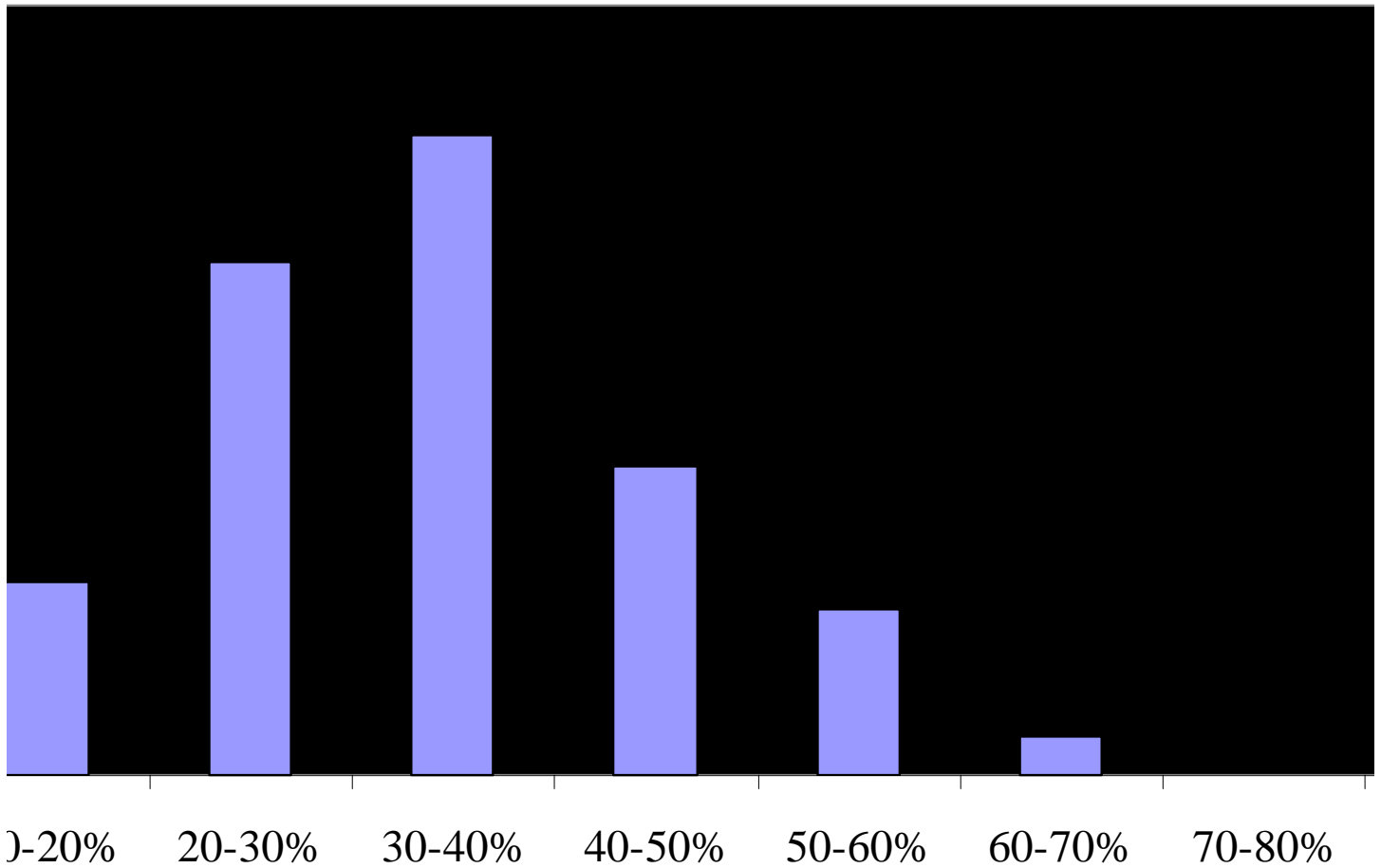
Water Conservation and  
Reuse

# Seasonal Water Use

- Obtained 2000 water usage data from TWDB for 145 Region C WUGs
- Subtracted municipal water sales
- Other water sales (manufacturing, power, etc.) still included in data
- Estimated
  - Percentage of Seasonal Water Use
  - Summer-Winter Peaking Factor

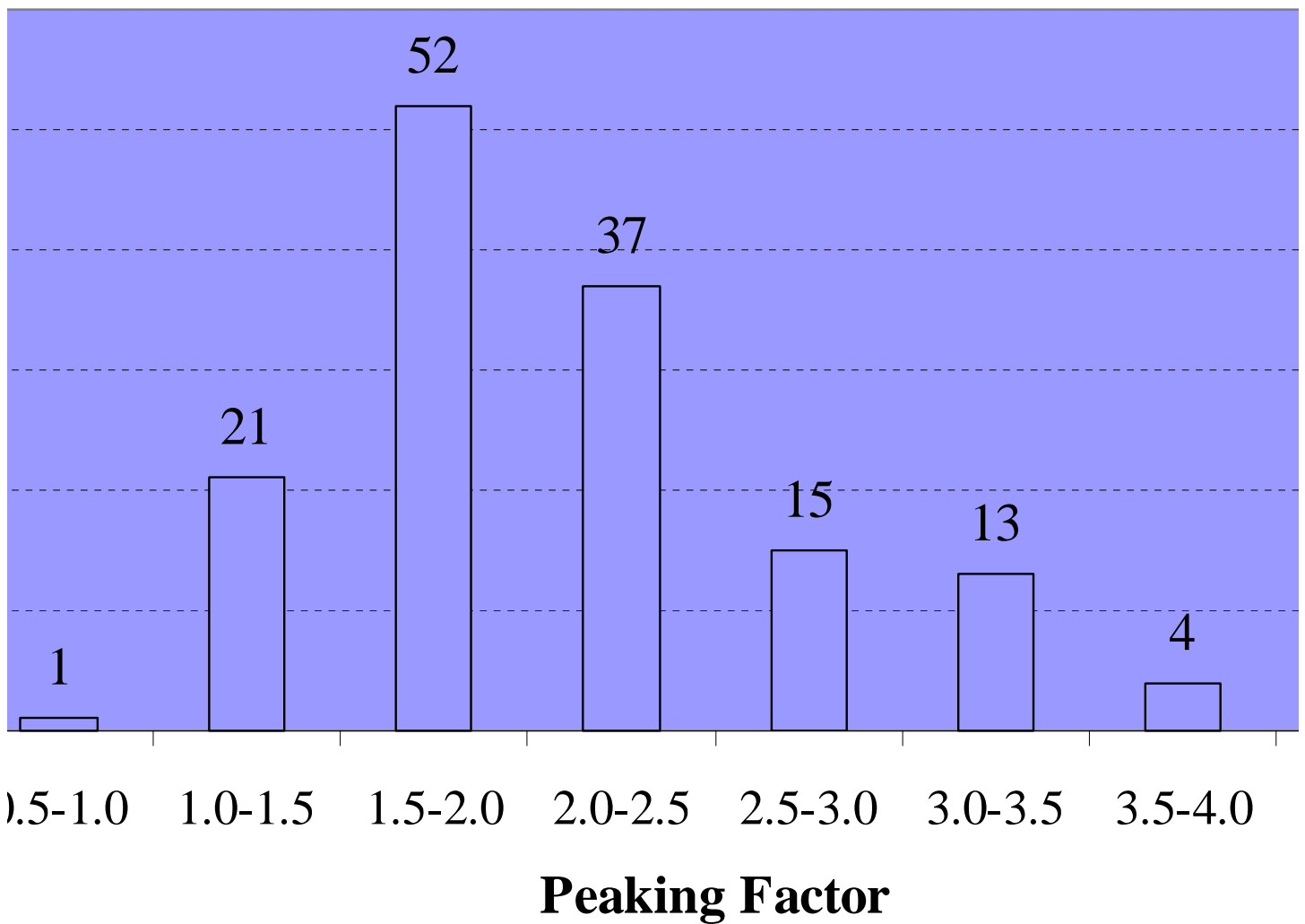


# Distribution of Region C WUGs Annual Seasonal Water Usage, 2000



**Seasonal Percentage of Annual Water Usage**

# Distribution of Region C WUGs of Summer Average Use to Winter Average Use, 20



# Summary

- Seasonal Percentage of Annual Water Use
  - Range 15% - 65%
  - Median 34%
- Summer-Winter Peaking Factor
  - Range 1.0 – 4.8
  - Median 2.0
  - 79 percent greater than 1.6
- Will present summary of feasible water conservation strategies at next meeting

# Discussion Item

Public Participation

# Updating Region C Press Materials

Updated materials distributed for review:

- General Region C fact sheet
- RCWPG members directory
- “Did you know” document
- Media contact sheet
- Water Management Strategies
- Q & A
- Water Planning Timeline

# Next Steps

- Finalize press materials
- Distribute new press kits to media
- Place new press materials on the Region C Web site
- Conduct editorial board meetings with the *Dallas Morning News*, *Fort Worth Star-Telegram*, *Dallas Business Journal* and *Fort Worth Business Press*
- Conduct media overview session on May 17 (prior to the RCWPG meeting) to provide opportunity for local media to meet the executive committee and consultants

# Discussion Item

Summary of Speaker  
Comments at March 22  
RCWPG Meeting

# Speaker Comments

- Speaker comments were posted on the Region C web site in advance of today's meeting
- [www.regioncwater.org](http://www.regioncwater.org)



# Discussion Item

Update on Overall Status  
and Next Steps

# Schedule

- Recently completed tasks
  - Submitted letter regarding instream flow analysis to TWDB
  - Submitted request for supplemental funding
  - Published notice for request for supplemental funding
  - Mailed surveys
  - Began meeting with wholesale water providers to discuss surveys and future plans

# Schedule

- Upcoming tasks
  - Continue working on unique stream segment topic
  - Discuss screening criteria by type over the next several months
  - Continue meeting with wholesale water providers
  - Make follow-up phone calls to water user groups for survey responses not received by April 30