
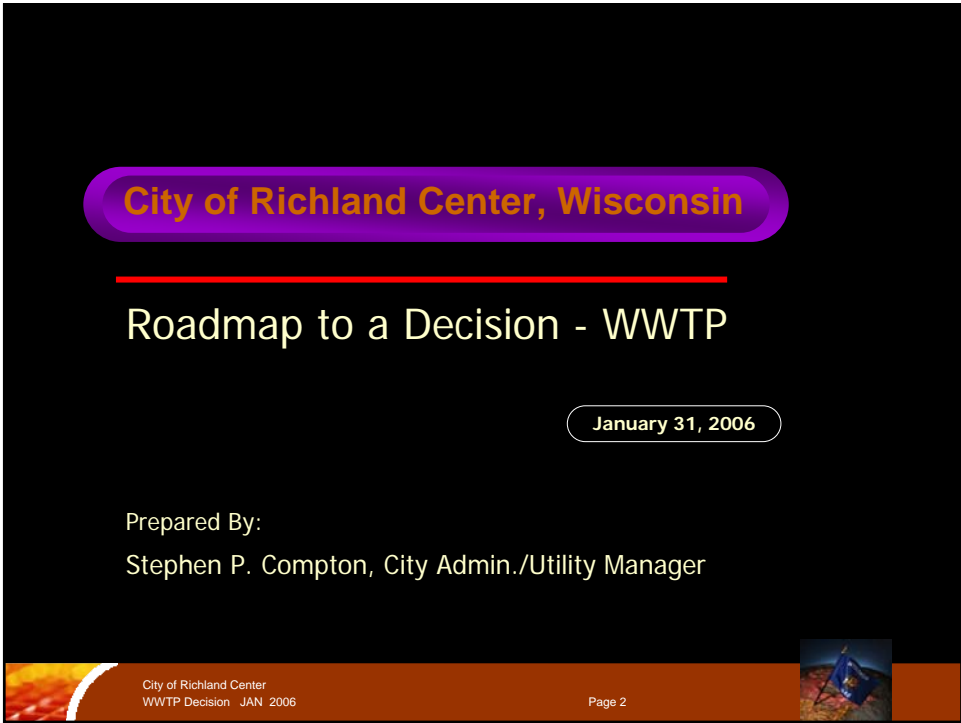


# City of Richland Center

Waste Water Treatment Facility  
Roadmap to a Decision  
January 31, 2006

City of Richland Center  
450 South Main Street, Richland Center WI. 53581

 **CITY UTILITIES**  
Richland Center, WI



**City of Richland Center, Wisconsin**

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## Roadmap to a Decision - WWTP

January 31, 2006

Prepared By:  
Stephen P. Compton, City Admin./Utility Manager

City of Richland Center  
WWTP Decision JAN 2006

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## Wastewater Facility Plan: Mission

Develop A Comprehensive Multi – Year Plan That  
Defines Wastewater Infrastructure Needs For The  
Community and Industries.



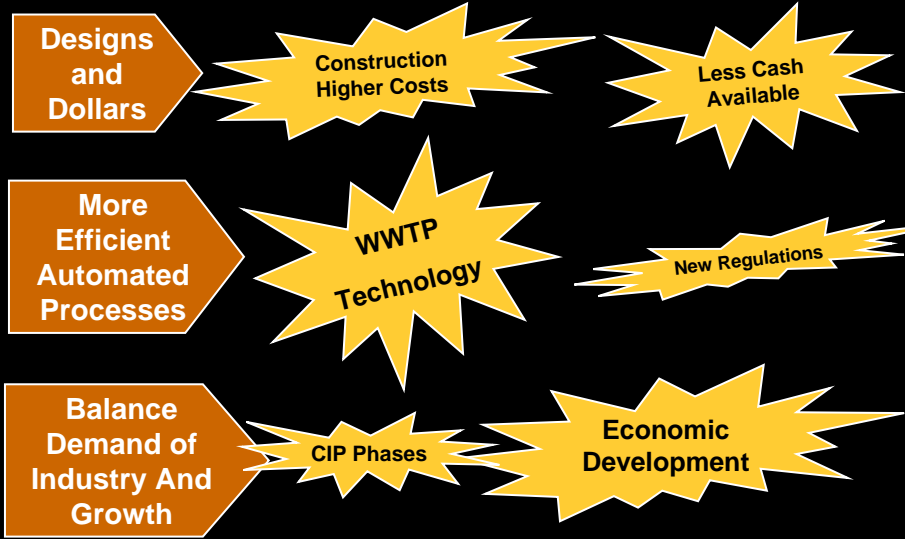
Stake Holders

Local Regulations: City/Utility

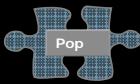
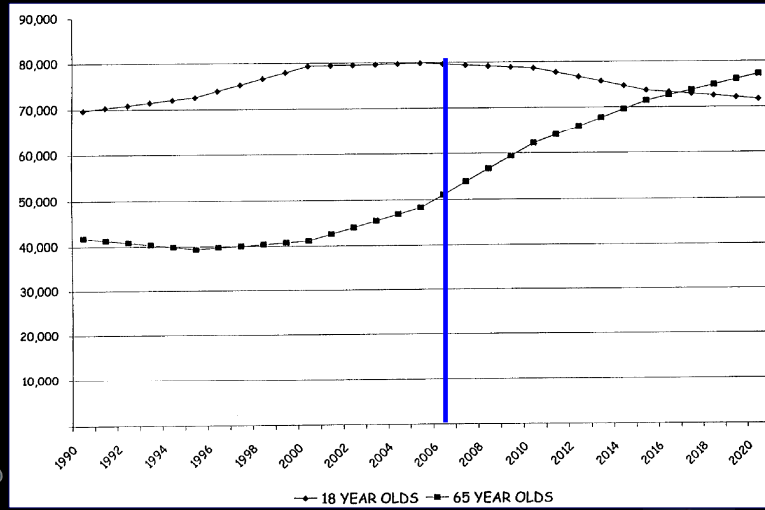
External Regulations: State-Federal



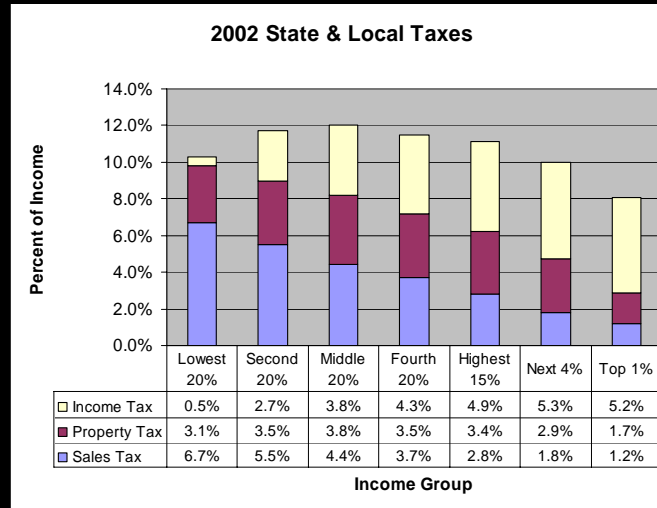
## Inputs and Assumptions: Drivers & impacts?



## Wisconsin, Present and Projected 18 year old Population, 65 Year Old Population



## Tax Distribution by Income Group



## Agenda - Roadway

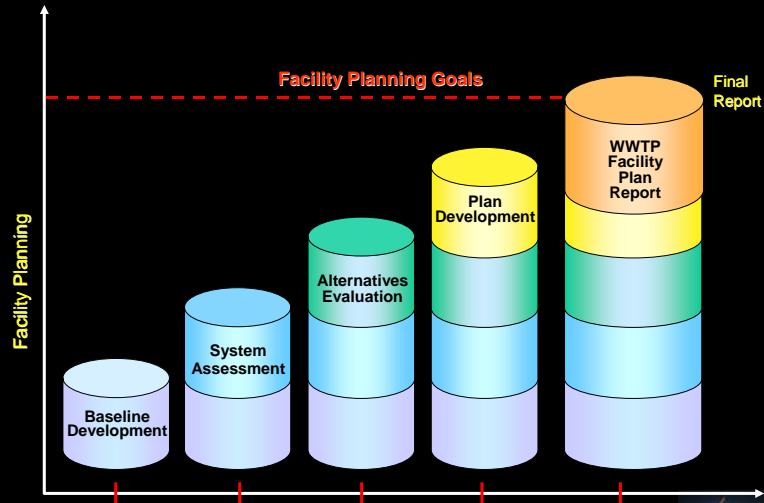
- Create Ad Hoc Committee (3 Council, 3 Commission)
- Input Policy: Council and Commission
- Meet every Two Weeks – 3:00 to 5:30
- Multi – Review and Decision
- Codes & Standards (DNR Approval)
- Capital and O&M Costs
- A&E, Finance Advisors, Auditors
- Develop Decision

## Ad Hoc Committee Work

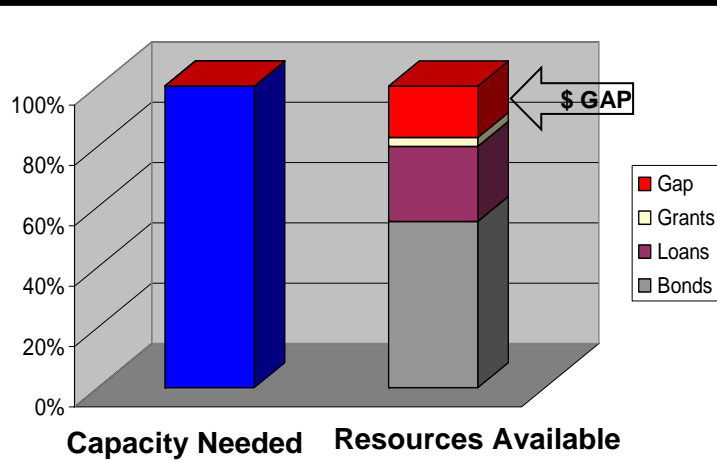
## Management Systems Approach

- Assess
  - Identify/assess demand, determine regulatory requirements, and establish WWTP goals
- Plan
  - Evaluate Engineering and Administrative Input to select the best solutions addressing the need, regulatory obligations, short and long term goals, and budgets
  - Define roles, responsibilities, and qualifications for all stakeholders
- Implement
  - Provide procedures, guidance, training, and resources, as necessary
- Review
  - Test and/or evaluate the effectiveness of the changes
  - Update as conditions change (Management of Change)

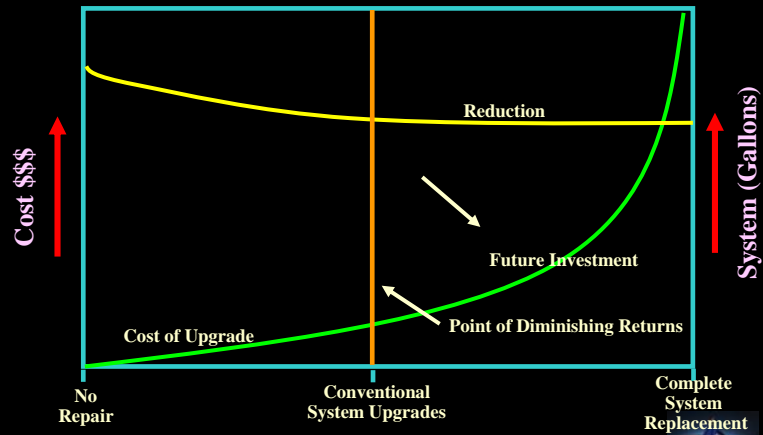
## Wastewater Facility Plan: Development



## Funding The Balance of Cost



## Collection System Upgrades Versus Effective Reduction

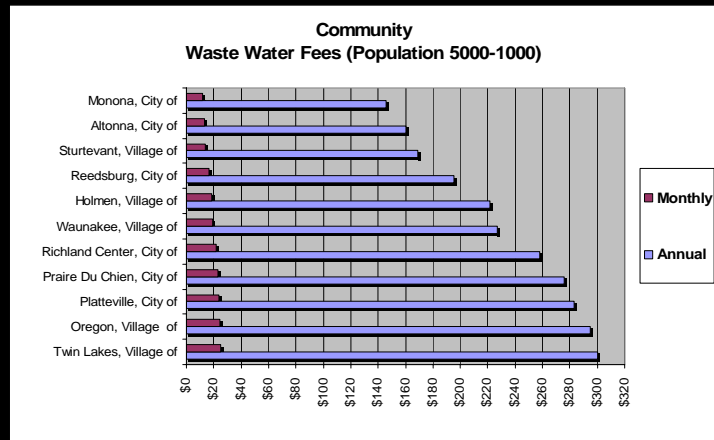


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Mitigation Efforts

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## Regional Waste Water Fees



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## Plan Alternatives

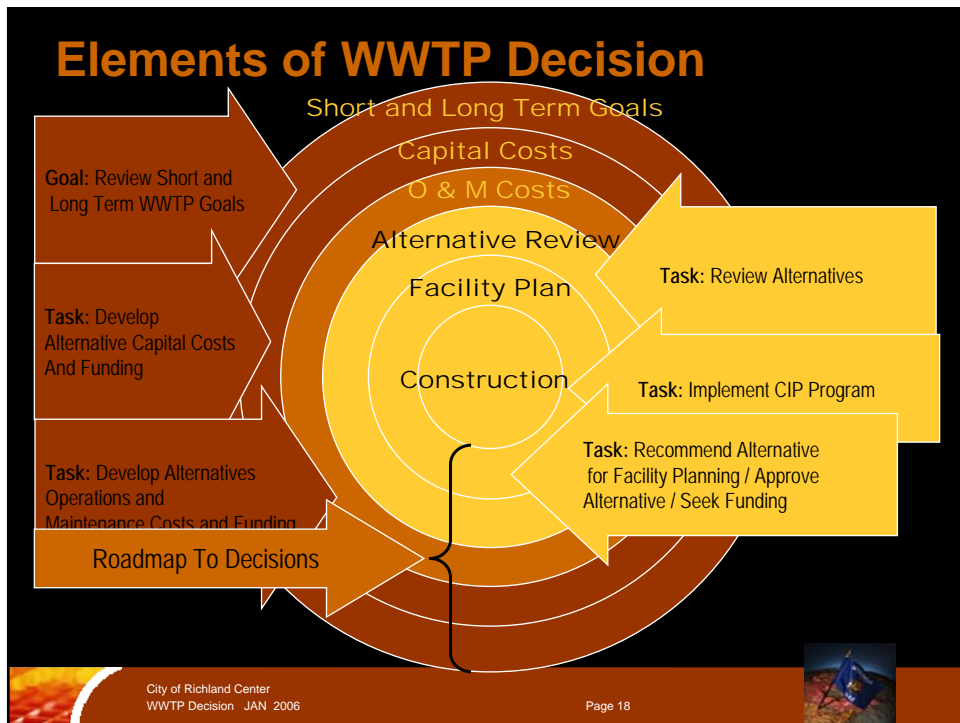
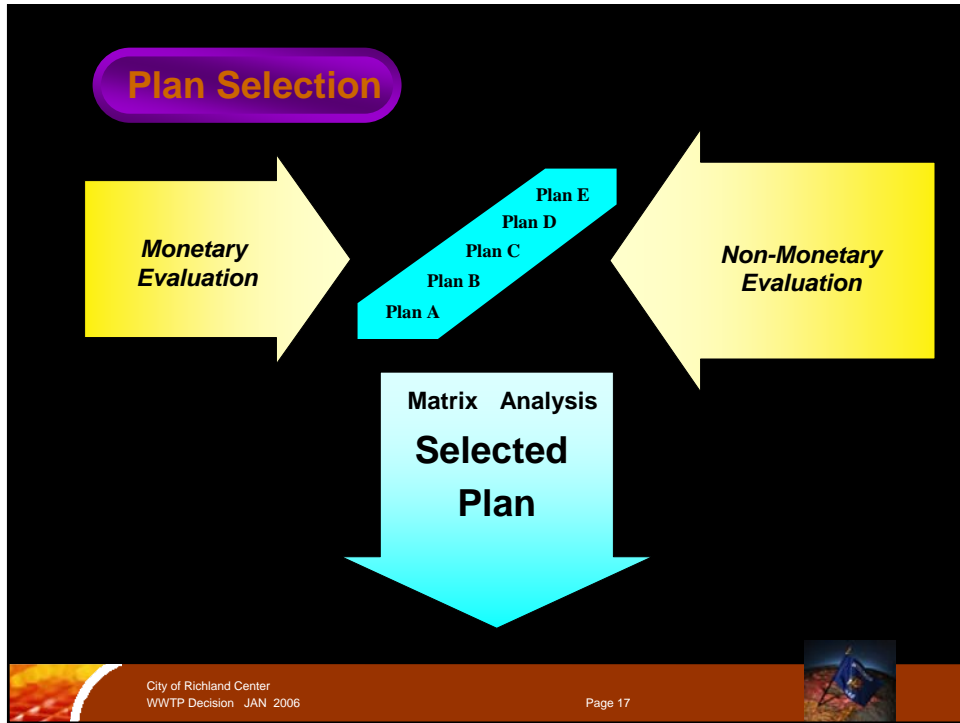
Plan Alternative	Collection System	Treatment System	Discharge / Reuse
A	Single	Upgrade at WWTP – 12.8M	Pine River
B	Single	Construct New WWTP – 22.04 M	Pine River
C	Single	Upgrade Foremost – 1.5 M NO/Eme	Pine River
D	Single	Upgrade Foremost – 4.5 M W/Eme	Pine River
E	Dual	Min Up-G Old & NEW WWTP 18.9 M	Pine River

## Plan Selection: Matrix Analysis

Plan Alternative	A	B	C	D	E
Monetary	3.14	3.86	3.00	2.14	2.57
Non-Monetary	0	0	0	0	0
Total	3.14	3.86	3.00	2.14	2.57
<b>Final Ranking</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>2</b>

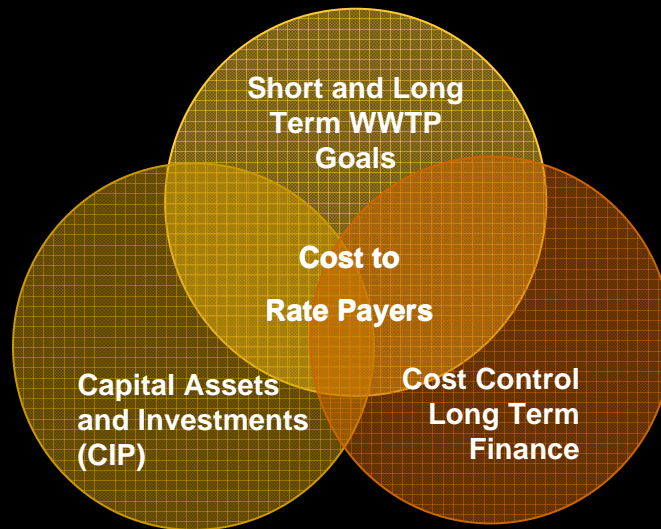
Ranking: 1 = Most Favorable ; 5 = Least Favorable

Commission Ranking: 11/14/05 Scoring



## End State

## Results: End State



# The Pine River "Clean Water"

Natural Water Resource  
(Finite)

Clean now or clean ?

City known as a Leader in  
"Environmental Concern" ??

Attract Others ???



# The Pine River "Clean Water"

Water quality improved to the point where the  
investment in system upgrades for systems  
within watershed will be unnecessary

Cost Avoided = \$ ???? As Much As Possible

Open Space preserved = \$ ???? As Many Acres As Possible

Total investment = \$ ???? The Minimum Necessary



## Question / Discussion

