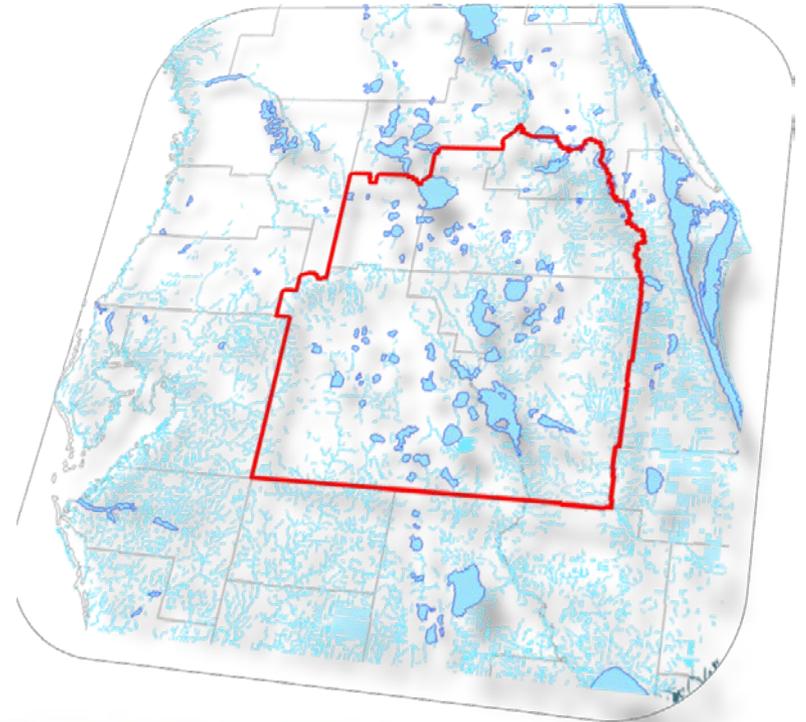


CFWI Regional Water Supply Plan Water Conservation Targets

Steering Committee

September 26, 2014



Regional Water Supply Plan

Water Conservation Projections

Water Demand Category	Projected 2035 Demand (mgd)	Projected 2035 Conservation (mgd)	Net Projected 2035 Demand with Conservation (mgd)
Public Supply	653.27	26.78	626.49
Agriculture	214.84	10.90	203.94
Domestic Self-Supply	24.42	1.19	23.23
Landscape/Recreation/Aesthetic	72.18	2.02	70.16
Commercial/Industrial/Institutional	95.85	1.15	94.70
Power Generation	22.41	0.27	22.14
Total	1,082.97	42.32	1,040.65

Regional Water Supply Plan

Water Conservation Projections

Public Supply

- EZ Guide Tool
- Based on 7 utilities
 - Population ranging from 4,000 – 500,000
 - 53% of CFWI public supply demand
 - 4.1% avg water conservation potential
- Applied to 2035 project demand
 - 26.78 mgd of potential water conservation
(653.27*4.1%)
- Parameters to ensure reasonable estimates
 - Cost effectiveness cap: \$3.00/1,000 gallons
 - Participation rates based on SWFWMD actual studies
 - 23% retrofit-based BMPs
 - 12.5% BMPs requiring site visit

Regional Water Supply Plan Water Conservation Projections

Agriculture

- Limited to crop irrigation
- Based on MIL 130 evaluations
 - 6 crop categories
 - Data augmented from areas outside CFWI when needed
- Potential savings based on MIL median values
- 12.5% Participation Rate
 - Assumed no incentives or assistance to implement water conservation BMPs or activities
 - Assumed primarily management and maintenance BMPs

Regional Water Supply Plan

Water Conservation Projections

Factors Affecting Estimates

- Many water conservation actions are not directly measurable
 - Estimates based on BMPS where savings can be calculated
 - Regulation and education are important parts – can increase participation rates
- Voluntary adoption of conservation practices dependent on level of incentives & promotion of BMPS
- Cost of water – evaluation capped at \$3.00/kgal
- Estimated savings based on what can likely be attained under present economic and regulatory conditions

QUESTIONS?

