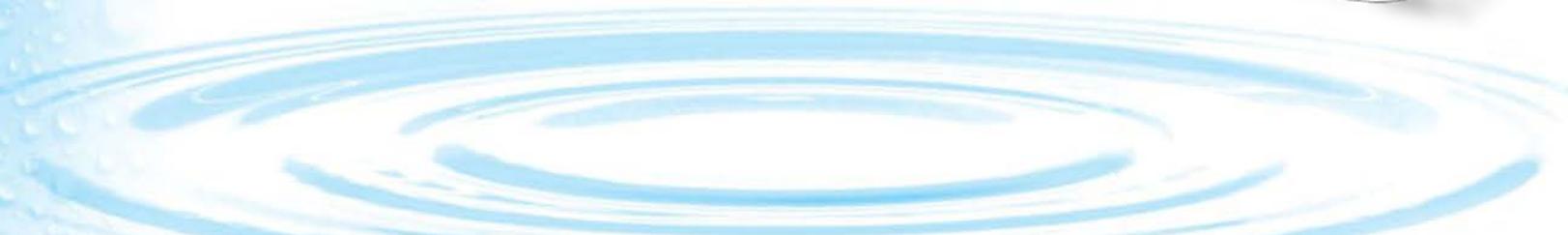
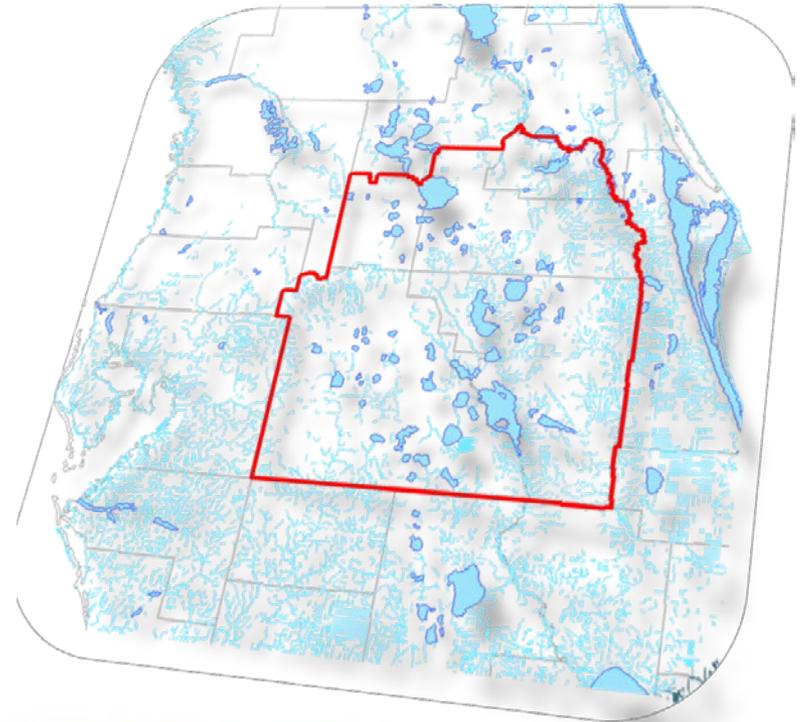


# Solutions Planning Team Work Progress

## Steering Committee

February 27, 2015

Mark A. Hammond, PE  
SWFWMD



# Next Steps

- Finalize
  - The RWSP
  - CFWI 2035 Water Resources Protection and Water Supply Strategies Plan
    - CFWI Regional Alternative Water Supply Priority Projects List
    - CFWI Regional Financial Plan
  - Options for Consistent Regulations & Implement Solutions Strategies

# Next Steps

- Implement
  - Conservation to the Greatest Extent Practicable
  - Critical Water Resource Data Collection (DMIT)
  - Water Resource Investigations
- Update ECFT Groundwater Model
- Initiate
  - Annual Status Reports
  - Process for 5-year Assessment and Update (2020)

# Central Florida Water Initiative

## Solutions Planning Team Projects

Projects	Total Quantity	Year 1 (MIL \$)	Year 2 (MIL \$)	Years 3-5 (MIL \$)	Total Cost (Mil \$)
Conservation (All)	36.8 mgd	8.5	8.5	25.5	170
Recovery Projects		2	1.5	10	50
DMIT Minimum Recommendations		3	8	23.1	34.1
Investigation		1.3	3.3	3.7	8.9
<b>Reclaimed Water Projects</b>					
Project RENEW	9.2 mgd			24.6	50.5
West Ditch Stormwater for Reuse Augmentation	0.9 mgd	1.6	2.3	11	28.2
160-ac Site Indirect Potable Reuse	4.5 mgd	0.6	0.7	6.3	7.6
TECO Polk Power Reuse	10 mgd				97
AFIRST/Altamonte Springs	4.5 mgd				15
<b>Stormwater Projects</b>					
Judge Farms Reservoir and Impoundment	5 mgd	0.5	17.7	6.8	28.3
Lake Wailes Stormwater Mitigation	1.4 mgd		1.2	12.4	13.6
Reedy Creek Watershed	4 mgd				1.6
<b>Surface Water Projects</b>					
St. Johns River/Taylor Creek Reservoir	54 mgd			10	637.6
St. Johns River near State Road 46	40 mgd				584.3
St. Johns River near Yankee Lake	40 mgd		2	20	536.7
C-25 Grove Land Reservoir and Stormwater Treatment	122.4 mgd raw water	3	3		435.4
Polk Regional Alafia River Basin	10 mgd				263.4
<b>Groundwater Projects</b>					
South Lake County Wellfield	12.7 mgd			60.7	116.5
Cypress Lake Wellfield	30 mgd	14	25.8	153.7	374.3
Southeast Polk County Wellfield	30 mgd	2.4	2.6	129.5	284.6
<b>Total Financial Plan</b>	224.5 mgd	36.9	76.6	497.3	2,775.5
<b>Total Solutions Projects</b>	415.3 mgd				3,737.4

# Central Florida Water Initiative

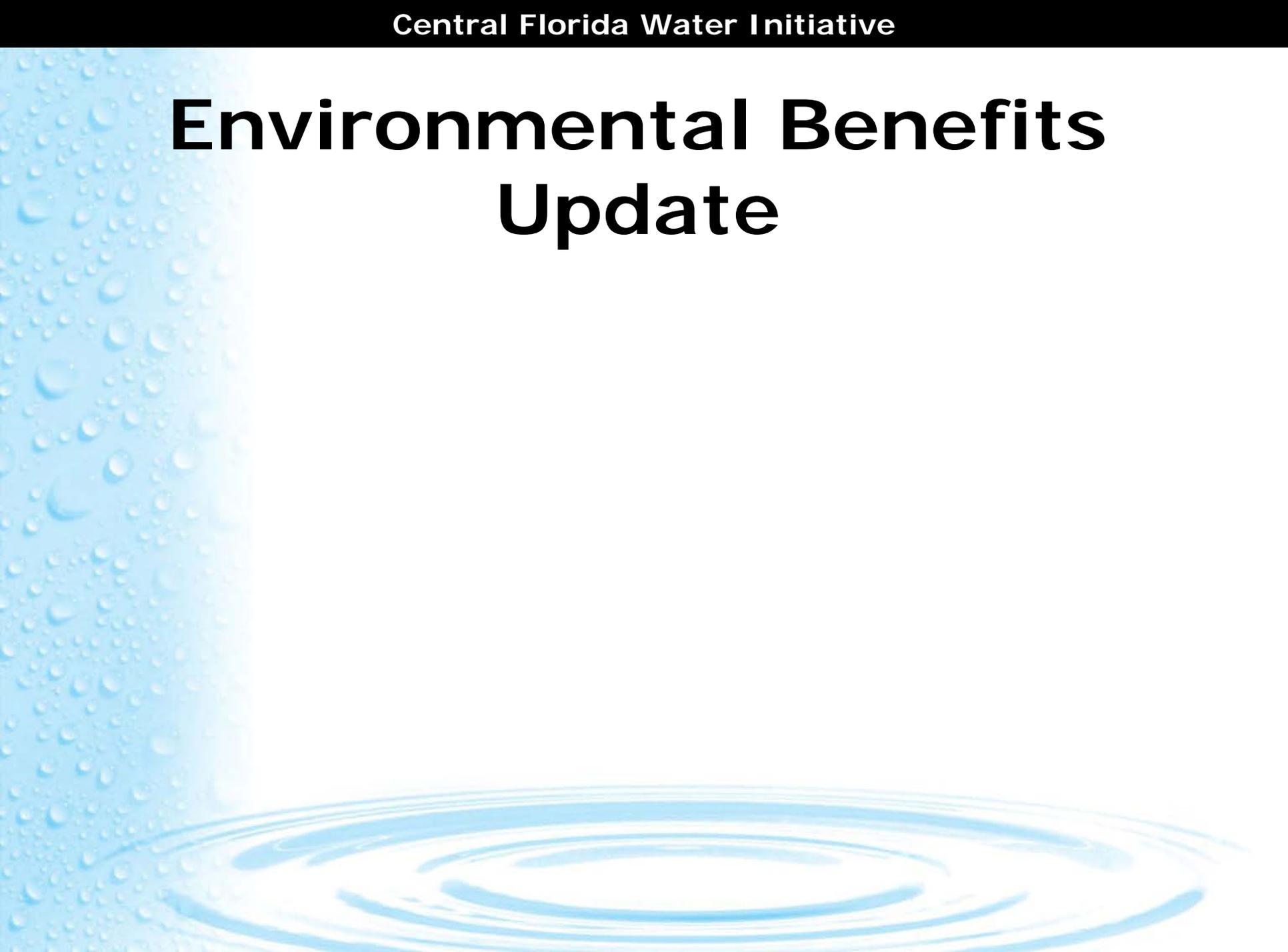
## DRAFT Solutions Planning Team Financial Plan

	Year 1		Year 2		Year 3-5		Year 6-10		Year 11-20		Total	
Category/Project	Funds (Mil/\$)	Water (MGD)										
<b>Conservation</b>												
Ag Programmatic Approach	0.5	0.2	0.5	0.2	1.5	0.6	2.5	1.1	5	2.2	10	4.3
Public Water Supply and Other Self Supply	7	1.6	7	1.6	21	5	35	8.1	70	16.2	140	32.5
Education	1		1		3		5		10		20	
<b>Environmental Recovery</b>												
Recovery Projects	2		1.5		10		16.5		20		50	
<b>Next Steps</b>												
DMIT Minimum Recommendations	3		8		23.1						34.1	
Investigation	1.3		3.3		3.7		0.6				8.9	
<b>Alternative Water Supply Projects</b>												
Reclaimed Projects	2.2		3		41.9	9	39	5.6			86.1	14.6
Stormwater Projects	0.5		18.9		19.2	6.4	3.3				41.9	6.4
Surface Water Projects	3		5		30		288.5	12.4	1,282.6	81.6	1609.1	94
Groundwater Projects	16.4		28.4		344		211.5	32.7	175.2	40	775.5	72.7
<b>Sub Total</b>	<b>36.1</b>	<b>1.8</b>	<b>74.3</b>	<b>1.8</b>	<b>494.2</b>	<b>21</b>	<b>601.9</b>	<b>59.7</b>	<b>1562.8</b>	<b>140</b>	<b>2,775.5</b>	<b>224.5</b>

**Questions?**



# Environmental Benefits Update



# Solutions Project Benefits

- Conservation

- Enhances region's efficient use of water resources
- Reduces reliance of groundwater

- DMIT

- Provides necessary information to better assess environmental systems



# Solutions Project Benefits

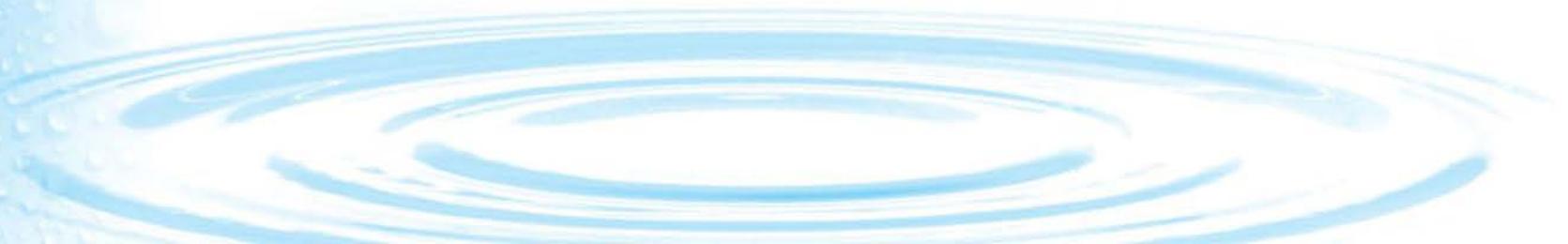
- Reclaimed Water Projects
  - Reduces reliance of groundwater
  - Augments potable supplies
  - Provides water for recharge
  - Reduces discharges and improves water quality

# Solutions Project Benefits

- Stormwater Projects
  - Augments reclaimed water supplies
  - Provides water for recharge
  - Improves water quality

# Solutions Project Benefits

- Surface Water Projects
  - Diversification of water supplies
  - Reduces reliance on groundwater
  - Provides water for recharge
  - Provides supplemental river flows
  - Reduces discharge impacts to estuaries



# Solutions Project Benefits

- Groundwater Projects
  - Further development of lower Floridan projects reduces reliance on traditional groundwater
  - Diversification of water supplies

**Questions?**

