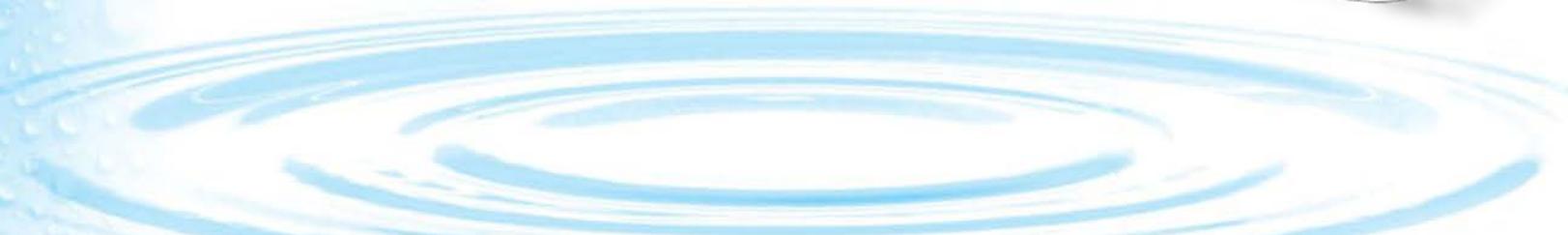
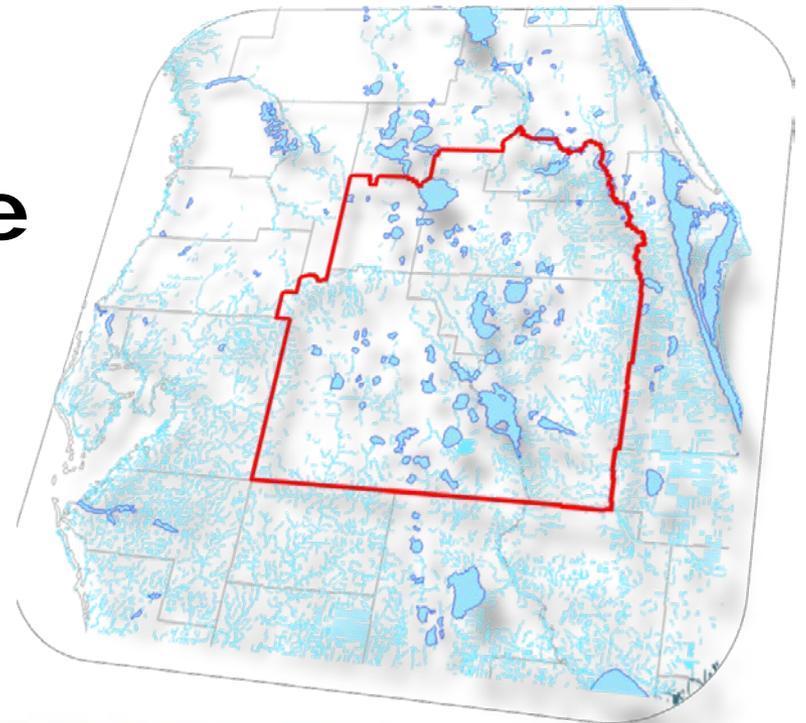


Solutions Team Work Progress

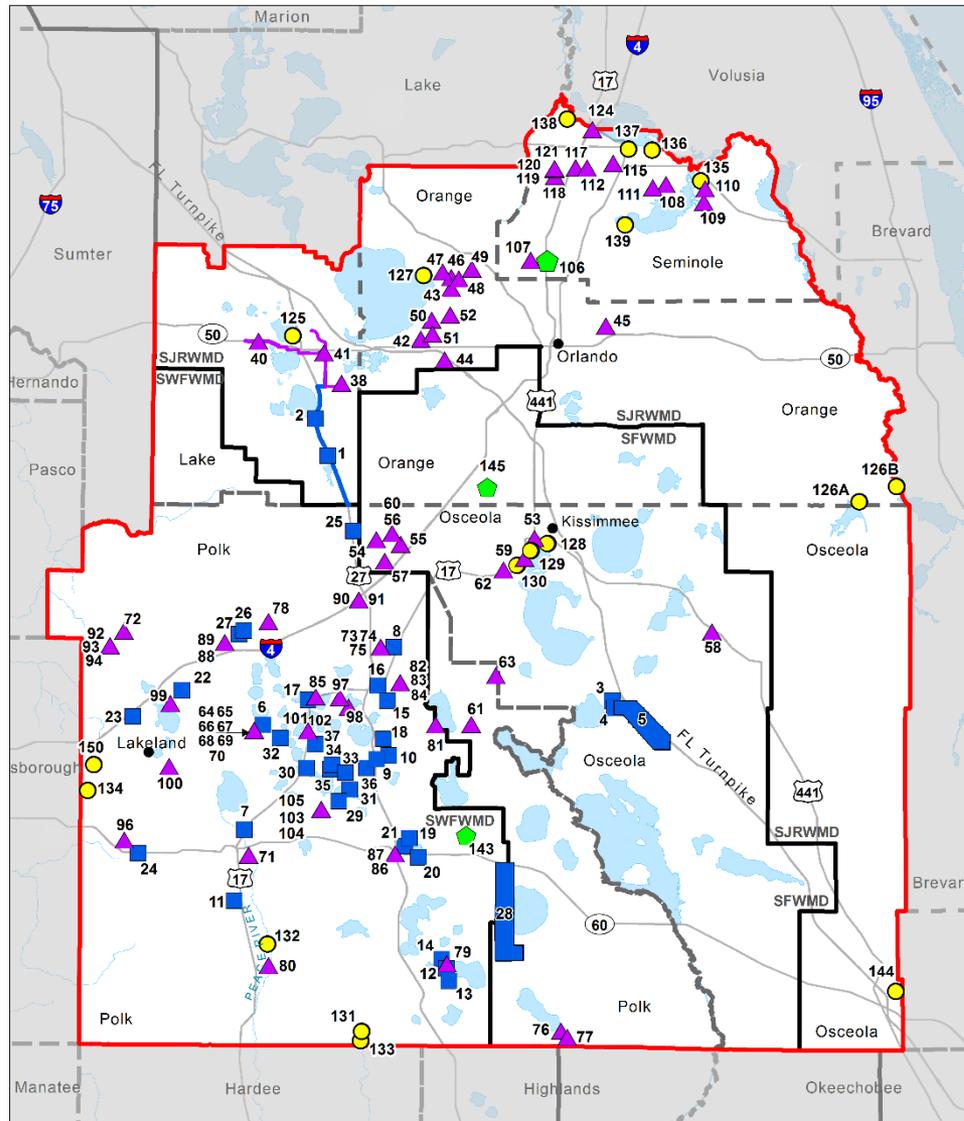
Steering Committee

January 30, 2015

Mark Hammond, PE
SWFWMD



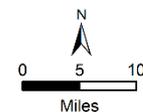
RWSP Projects



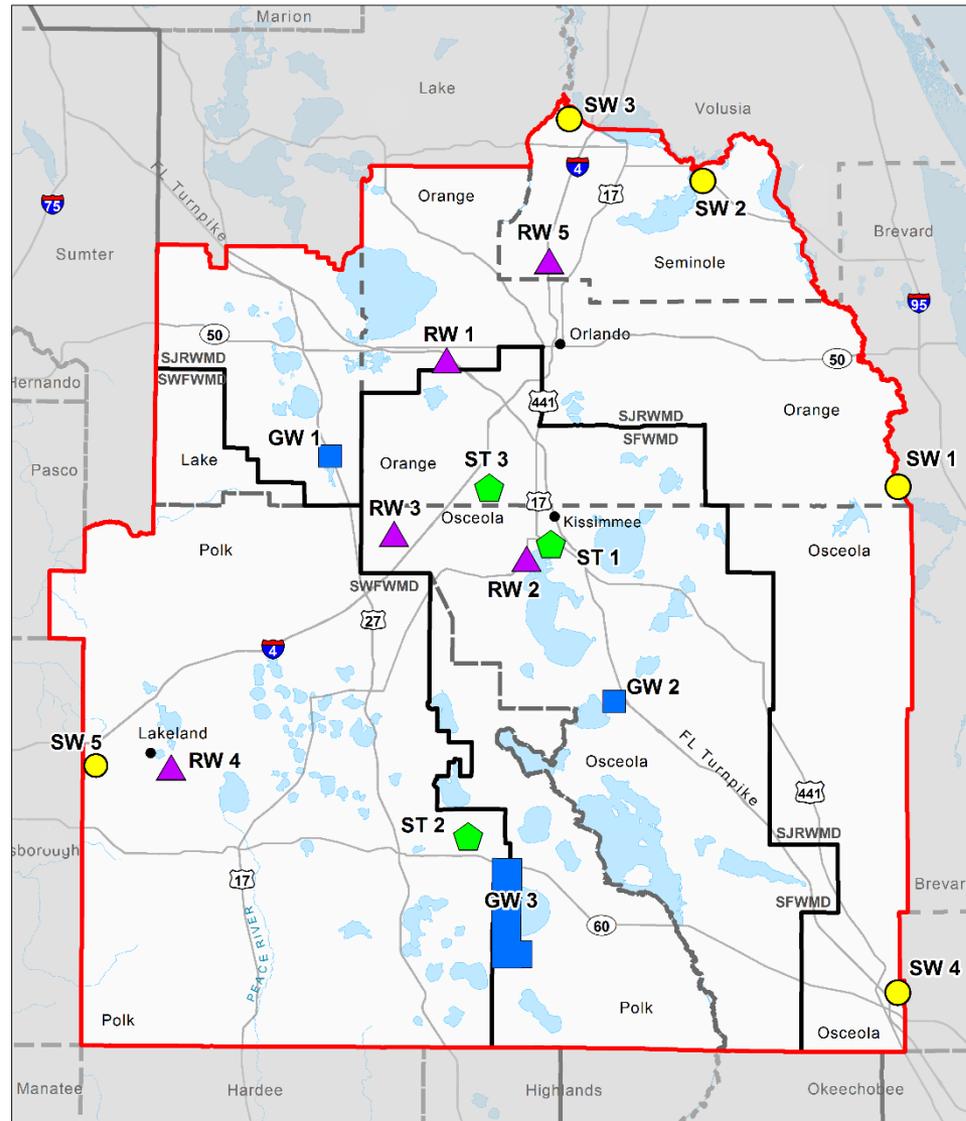
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Water Supply Option Projects (WSOPs) Within the Central Florida Water Initiative (CFWI) Planning Area

- Groundwater
- ▲ Reclaimed Water
- Surface Water
- ◆ Storm Water
- CFWI Boundary
- County Boundaries
- Water Management District Boundaries

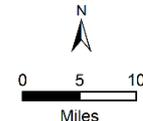


Solutions Team Projects



Solution Phase Water Supply Option Projects (WSOPs) Within the Central Florida Water Initiative (CFWI) Planning Area

- Groundwater
- ▲ Reclaimed Water
- Surface Water
- ◆ Storm Water
- CFWI Boundary
- County Boundaries
- Water Management District Boundaries



Solutions Team Projects

- 142 RWSP Projects
- 10 Projects introduced during Solutions process
- Solutions Team evaluated 18 projects/ programs
 - 415 mgd
 - \$3.7 Billion plus

Solutions Planning Team Projects

Surface Water Projects

- St Johns River/Taylor Creek Reservoir
- St Johns River near State Road 46
- St Johns River near Yankee Lake
- C-25 Grove Land Reservoir and Stormwater Treatment
- Polk Regional Alafia River Basin
- Kissimmee River Basin AWS
- Joint Tampa Bay Water/Polk County

Groundwater Projects

- South Lake County Wellfield
(May include dispersed options)
- Cypress Lake Wellfield
- Southeast Polk County Wellfield
(May include dispersed options)

Reclaimed Water Projects

- Project RENEW
- West Ditch Stormwater for Reuse Augmentation
- 160-ac Site Indirect Potable Reuse
- TECO Polk Power Reuse
- AFIRST/Altamonte Springs

Stormwater Projects

- Judge Farms Reservoir and Impoundment
- Lake Wailes Stormwater Mitigation
- Reedy Creek Watershed
- Sapphire Necklace
- City of Winter Garden Stormwater Capture
- City of Ocoee at SR 50 Stormwater Augmentation
- C1 Phase 3 River Augmentation

Solutions Planning Team Projects

Conservation

- Public Water Supply and Other Self Supply 32.4 mgd
- Agricultural Programmatic Approach 4.3 mgd

Surface Water Projects

- St Johns River/Taylor Creek Reservoir 54 mgd
- St Johns River near State Road 46 40 mgd
- St Johns River near Yankee Lake 40 mgd
- C-25 Grove Land Reservoir and Stormwater Treatment 122 mgd raw water
- Polk Regional Alafia River Basin 10 mgd

Groundwater Projects

- South Lake County Wellfield 12.7 mgd
(May include dispersed options)
- Cypress Lake Wellfield 30 mgd
- Southeast Polk County Wellfield 30 mgd
(May include dispersed options)

Reclaimed Water Projects

- Project RENEW 9.2 mgd
- West Ditch Stormwater for Reuse Augmentation 0.9 mgd
- 160-ac Site Indirect Potable Reuse 4.5 mgd
- TECO Polk Power Reuse 10 mgd
- AFIRST/Altamonte Springs 4.5 mgd

Stormwater Projects

- Judge Farms Reservoir and Impoundment 5.0 mgd
- Lake Wailes Stormwater Mitigation 1.4 mgd
- Reedy Creek Watershed 4.0 mgd

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) | 36.7 mgd | 9.5 | 9.5 | 26.5 | 186 |
| Recovery Projects | | 2 | 1.5 | 10 | 50 |
| DMIT Minimum Recommendations | | 3 | 8 | 22 | 33 |
| Investigation | | | | | |
| Reclaimed Water Projects | | | | | |
| 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 |
| Stormwater Projects | | | | | |
| 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 | 13.5 |
| Reedy Creek Watershed | 4 mgd | | | | 1.6 |
| Surface Water Projects | | | | | |
| 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 |
| Groundwater Projects | | | | | |
| 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 |
| Total Financial Plan | 224.4 mgd | 36.6 | 74.3 | 493.5 | 2,782 |
| Total Solutions Projects | 415.2 mgd | | | | 3,743.5 |

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) |
| Conservation | | | | | | | | | | | | |
| 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 | 8 | 1.6 | 8 | 1.6 | 23 | 4.9 | 39 | 8.1 | 78 | 16.2 | 156 | 32.4 |
| Education | 1 | | 1 | | 3 | | 5 | | 10 | | 20 | |
| Environmental Recovery | | | | | | | | | | | | |
| Recovery Projects | 2 | | 1.5 | | 10 | | 16.5 | | 20 | | 50 | |
| Next Steps | | | | | | | | | | | | |
| DMIT Minimum Recommendations | 3 | | 8 | | 22 | | | | | | 33 | |
| Investigation | | | | | | | | | | | | |
| Alternative Water Supply Projects | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | |
| Sub Total | 36.6 | 1.8 | 74.3 | 1.8 | 494.6 | 20.9 | 605.3 | 59.7 | 1570.8 | 140 | 2,782 | 224.4 |

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

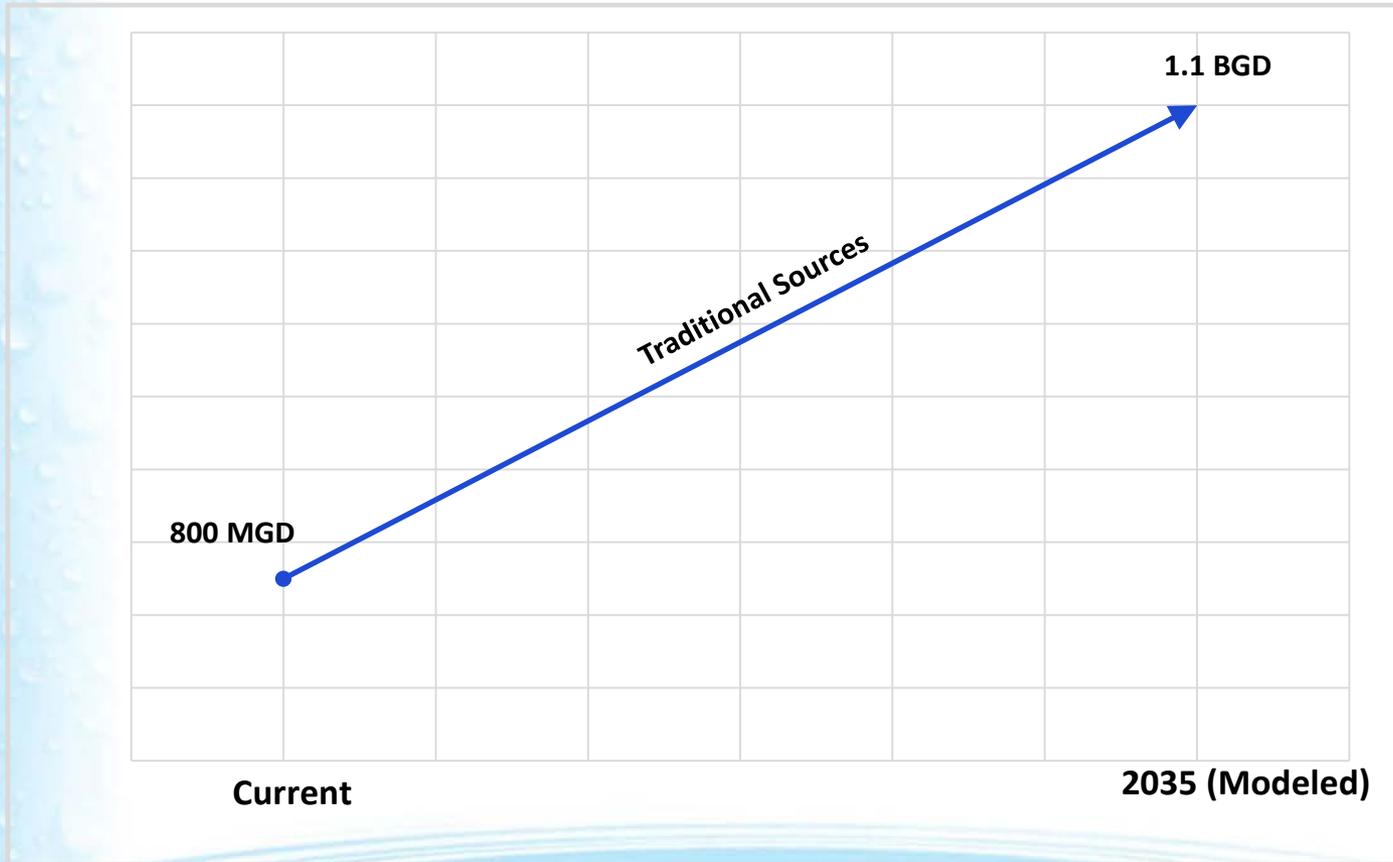
Next Steps

- 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)

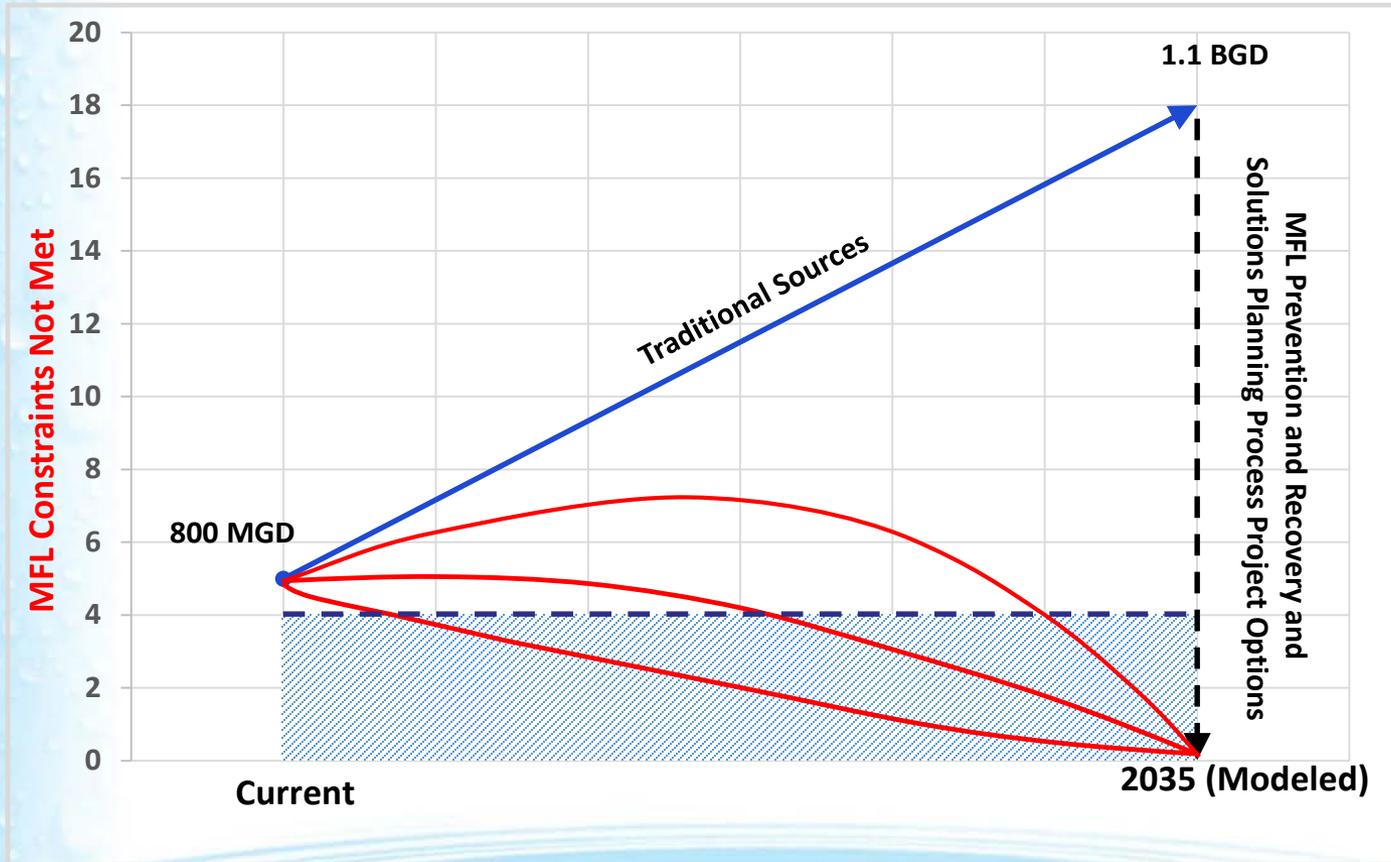
Questions?



Draft Graphic Option



Draft Graphic Option



Central Florida Water Initiative

Meeting 2035 Demands – Example 1

| | | |
|---|-----------------|----------------|
| Net Total Water Needs by 2035 | 1100 MGD | |
| Current Total Water Use | 800 MGD | |
| Potential Solutions Team Project Options | | |
| • Conservation (All) | 37 MGD | |
| • Additional Traditional Groundwater Available | 50 MGD | |
| • LFA Groundwater Projects | 53 MGD | |
| • Surface Water Projects | 94 MGD | |
| • Reclaimed Water Projects | 25 MGD* | |
| • Stormwater Projects | 4 MGD | |
| RWSP Projects (Non Solutions) | 37 MGD | |
| Total | 300 MGD | \$2.3 B |

* Approximately 14.5 mgd of this total is already in construction

Central Florida Water Initiative

Meeting 2035 Demands – Example 2

| | | |
|---|-----------------|----------------|
| Net Total Water Needs by 2035 | 1100 MGD | |
| Current Total Water Use | 800 MGD | |
| Potential Solutions Team Project Options | | |
| • Conservation (All) | 42 MGD | |
| • Additional Traditional Groundwater Available | 50 MGD | |
| • LFA Groundwater Projects | 63 MGD | |
| • Surface Water Projects | 94 MGD | |
| • Reclaimed Water Projects | 30 MGD* | |
| • Stormwater Projects | 8 MGD | |
| RWSP Projects (Non Solutions) | 13 MGD | |
| Total | 300 MGD | \$2.4 B |

* Approximately 14.5 mgd of this total is already in construction