

Agenda Item #3



Lake Worth Drainage District
Governing Board Workshop
May 10, 2023
Final Meeting Materials

LAKE WORTH DRAINAGE DISTRICT

Investment Performance Review For the Quarter Ended March 31, 2023

Client Management Team

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Current Market Themes



- ▶ The U.S. economy is characterized by:
 - ▶ Lingering inflation that remains well above the Fed's long-term inflation target
 - ▶ A labor market showing the first signs of moderation
 - ▶ Greater economic uncertainty following the surprise failure of Silicon Valley Bank and Signature Bank



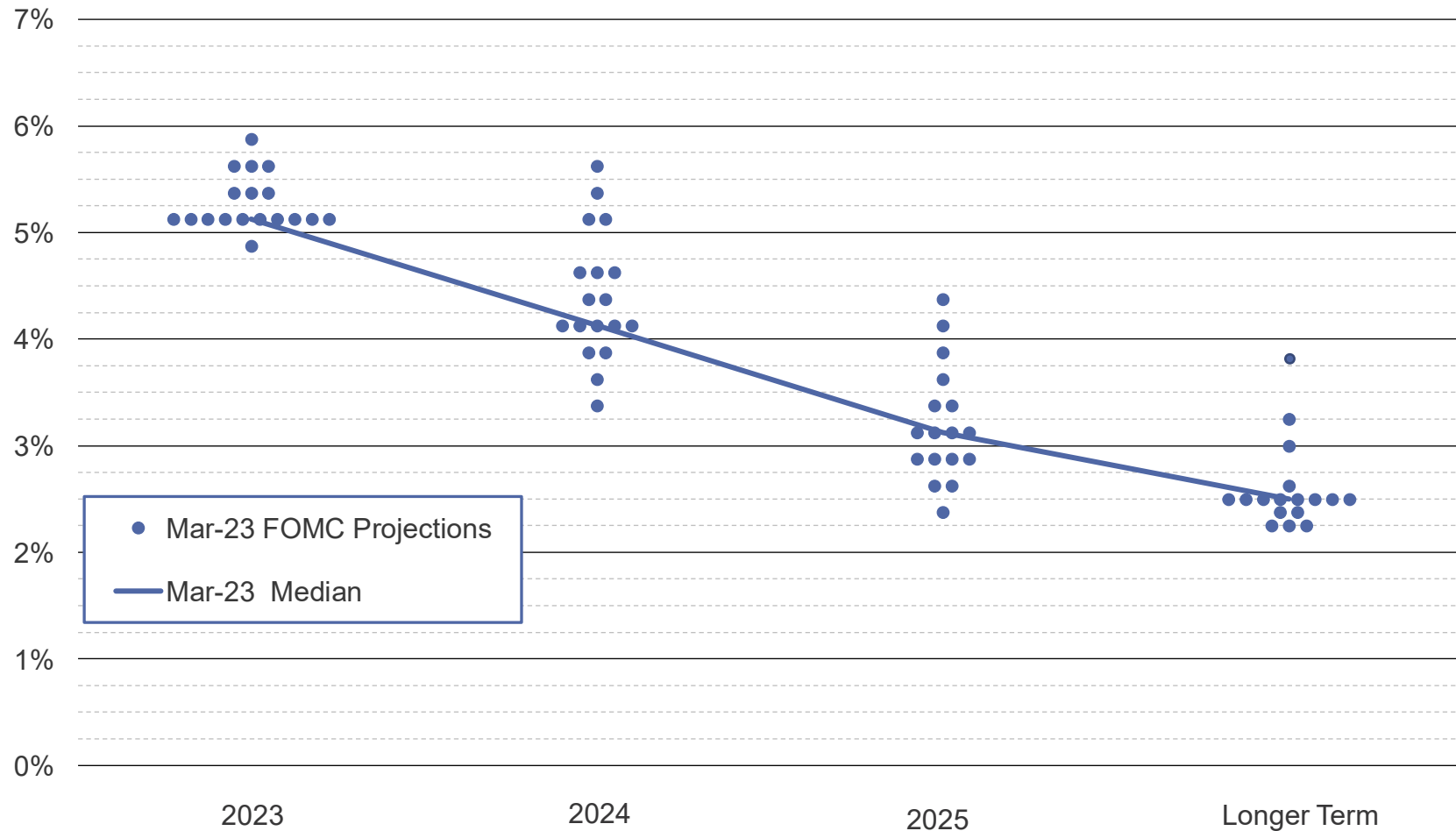
- ▶ Fed policy tightening may be nearly complete
 - ▶ The most recent FOMC statement noted that “some additional policy firming may be appropriate,” but the need for more rate hikes has become less clear
 - ▶ Although the Fed acknowledged the impact of the recent bank failures, their March updated Summary of Economic Projections were little changed from December
 - ▶ The Fed has maintained that they will keep rates elevated for some time, but the market is pricing in rate cuts beginning mid-year



- ▶ Bond markets saw unprecedented volatility in March
 - ▶ In a classic “flight to quality,” Treasury yields fell sharply, with the 2-year Treasury yield falling from 5.07% on March 8 to under 4.00% on March 17
 - ▶ The curve inversion from 3 months to 10 years reached the deepest levels in over 40 years
 - ▶ Credit yield spreads widened, especially those on banks, but not nearly to levels seen during the global financial crisis

Fed's "Dot Plot" Indicates We Are Nearing Sufficiently Restrictive Territory

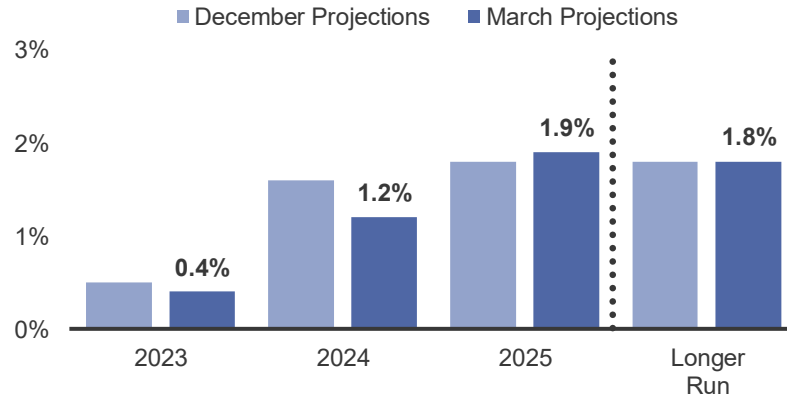
Fed Participants' Assessments of 'Appropriate' Monetary Policy



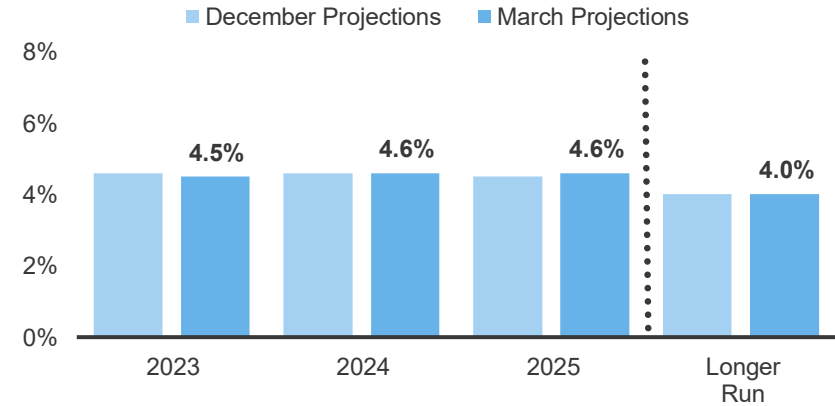
Source: Federal Reserve and Bloomberg. Individual dots represent each Fed members' judgement of the midpoint of the appropriate target range for the federal funds rate at each year-end.

Fed's Updated Projections Reflect Little Change From December

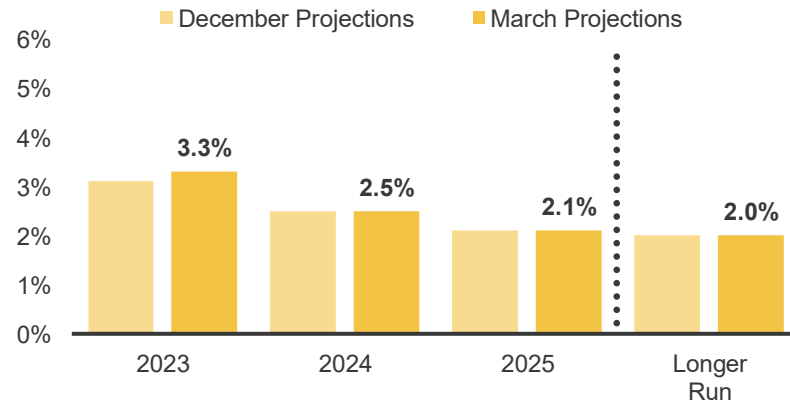
Change in Real GDP



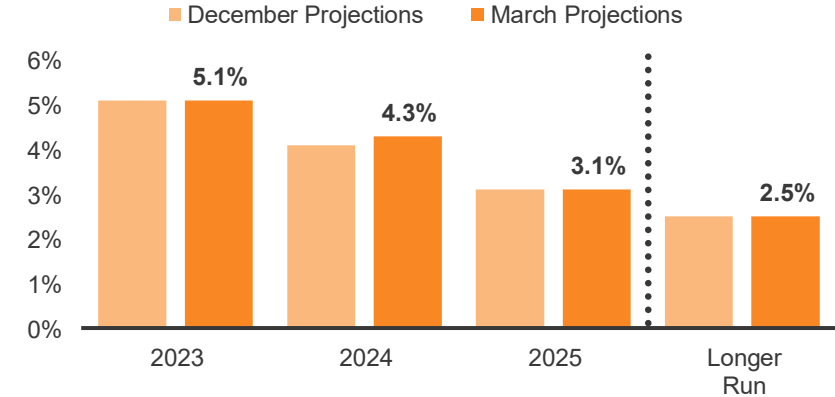
Unemployment Rate



PCE Inflation

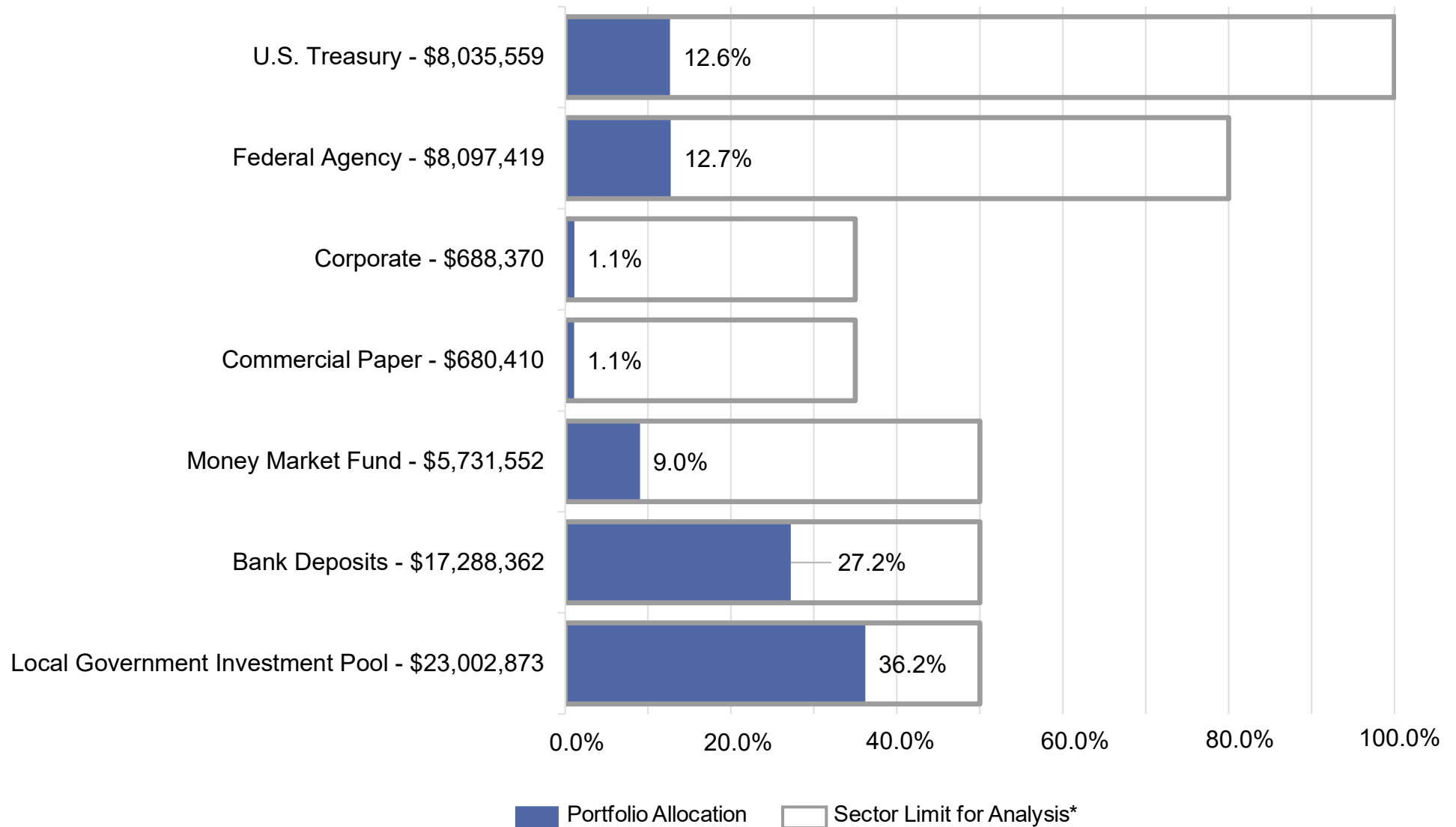


Federal Funds Rate



Source: Federal Reserve, latest economic projections as of March 2023.

Sector Allocation Analytics



For informational/analytical purposes only and is not provided for compliance assurance. Includes accrued interest.

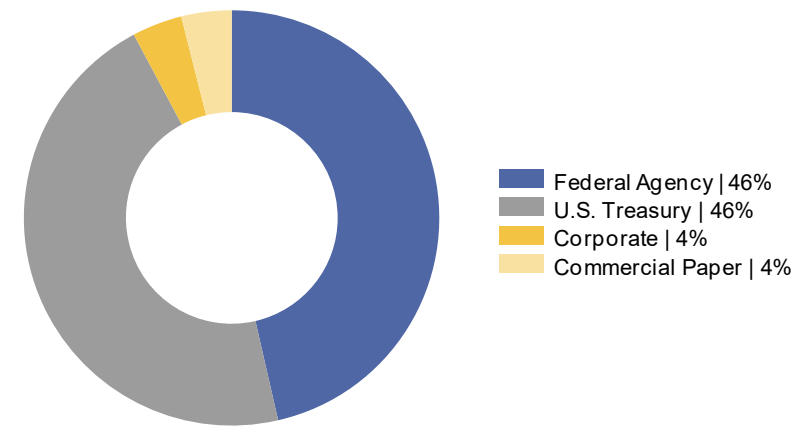
*Sector Limit for Analysis is as derived from our interpretation of your most recent Investment Policy as provided.

Portfolio Snapshot - LWDD CORE PORTFOLIO¹

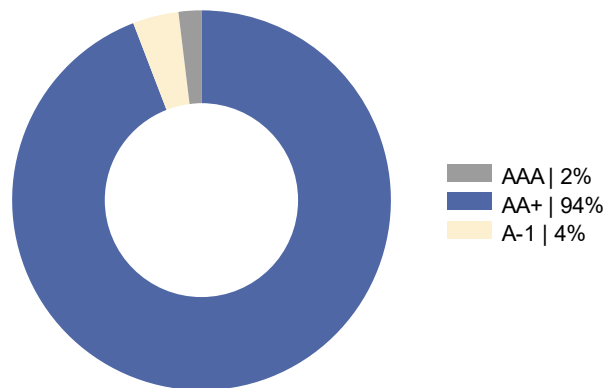
Portfolio Statistics

Total Market Value	\$23,233,309.68
Securities Sub-Total	\$17,354,131.65
Accrued Interest	\$147,625.79
Cash	\$5,731,552.24
Portfolio Effective Duration	1.89 years
Benchmark Effective Duration	1.75 years
Yield At Cost	4.84%
Yield At Market	4.26%
Portfolio Credit Quality	AA

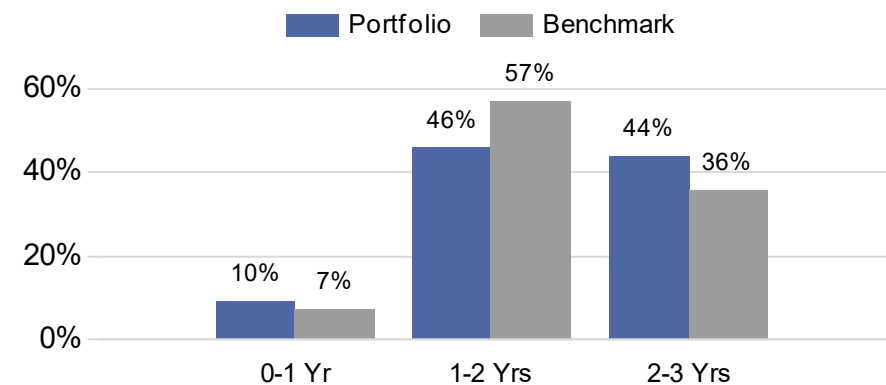
Sector Allocation



Credit Quality - S&P



Duration Distribution



1. Yield and duration calculations exclude cash and cash equivalents. Sector allocation includes market values and accrued interest. The portfolio's benchmark is the ICE BofAML 1-3 Year U.S. Treasury Index. Source: Bloomberg.
An average of each security's credit rating was assigned a numeric value and adjusted for its relative weighting in the portfolio.

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
BUY									
3/9/2023	3/10/2023	1,000,000.00	3130ATUR6	FEDERAL HOME LOAN BANK NOTES	4.62%	12/13/2024	1,005,877.50	5.24%	
3/9/2023	3/10/2023	1,000,000.00	91282CFX4	US TREASURY N/B NOTES	4.50%	11/30/2024	1,002,440.77	5.10%	
3/9/2023	3/10/2023	1,000,000.00	912828XZ8	US TREASURY NOTES	2.75%	6/30/2025	960,983.90	4.80%	
3/9/2023	3/10/2023	1,000,000.00	3135G0V34	FANNIE MAE NOTES	2.50%	2/5/2024	976,870.56	5.44%	
3/9/2023	3/10/2023	1,000,000.00	3130ATVC8	FEDERAL HOME LOAN BANK NOTES	4.87%	6/14/2024	1,009,916.25	5.42%	
3/9/2023	3/10/2023	1,000,000.00	9128283V0	US TREASURY NOTES	2.50%	1/31/2025	957,858.69	5.00%	
3/9/2023	3/10/2023	1,000,000.00	91282CFW6	US TREASURY N/B NOTES	4.50%	11/15/2025	1,008,670.58	4.72%	
3/9/2023	3/10/2023	1,000,000.00	91282CGL9	US TREASURY N/B NOTES	4.00%	2/15/2026	984,846.13	4.65%	
3/9/2023	3/10/2023	1,000,000.00	3130AV7L0	FEDERAL HOME LOAN BANKS NOTES	5.00%	2/28/2025	999,242.22	5.09%	
3/9/2023	3/10/2023	1,000,000.00	91282CFE6	US TREASURY N/B NOTES	3.12%	8/15/2025	964,055.81	4.79%	
3/9/2023	3/10/2023	1,000,000.00	3130ATVD6	FEDERAL HOME LOAN BANK NOTES	4.87%	9/13/2024	1,009,466.25	5.38%	
3/9/2023	3/10/2023	700,000.00	53944RX45	LMA AMERICAS LLC COMM PAPER	0.00%	10/4/2023	678,443.11	5.50%	
3/9/2023	3/13/2023	350,000.00	594918BJ2	MICROSOFT CORP NOTES (CALLABLE)	3.12%	11/3/2025	338,574.15	4.92%	
3/9/2023	3/13/2023	350,000.00	037833BY5	APPLE INC (CALLABLE) BONDS	3.25%	2/23/2026	334,727.94	4.93%	
3/13/2023	3/14/2023	1,000,000.00	91282CFP1	US TREASURY N/B NOTES	4.25%	10/15/2025	1,022,201.24	4.06%	
3/13/2023	3/14/2023	1,000,000.00	91282CGE5	US TREASURY N/B NOTES	3.87%	1/15/2026	1,002,732.00	4.00%	
3/21/2023	3/22/2023	1,000,000.00	3133EPCF0	FEDERAL FARM CREDIT BANK NOTES	4.50%	3/2/2026	1,010,250.00	4.22%	

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
BUY									
3/21/2023	3/22/2023	1,000,000.00	3130AUZC1	FEDERAL HOME LOAN BANK NOTES	4.62%	3/14/2025	1,008,916.53	4.38%	
3/21/2023	3/22/2023	1,000,000.00	3130AV7F3	FEDERAL HOME LOAN BANK NOTES	5.25%	6/14/2024	1,009,436.67	4.70%	
Total BUY		17,400,000.00					17,285,510.30		0.00
INTEREST									
3/13/2023	3/13/2023	1,000,000.00	3130ATVD6	FEDERAL HOME LOAN BANK NOTES	4.87%	9/13/2024	17,062.50		
Total INTEREST		1,000,000.00					17,062.50		0.00

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- Performance is presented in accordance with the CFA Institute's Global Investment Performance Standards (GIPS). Unless otherwise noted, performance is shown gross of fees. Quarterly returns are presented on an unannualized basis. Returns for periods greater than one year are presented on an annualized basis. Past performance is not indicative of future returns.
- Bank of America/Merrill Lynch Indices provided by Bloomberg Financial Markets.
- Money market fund/cash balances are included in performance and duration computations.
- Standard & Poor's is the source of the credit ratings. Distribution of credit rating is exclusive of money market fund/LGIP holdings.
- Callable securities in the portfolio are included in the maturity distribution analysis to their stated maturity date, although, they may be called prior to maturity.
- MBS maturities are represented by expected average life.

Aquifer Storage & Recovery (ASR) Feasibility Study Project #21-10353L.01

Tommy Strowd, P.E., Executive Director
Governing Board Workshop
May 10, 2023
Agenda Item #4



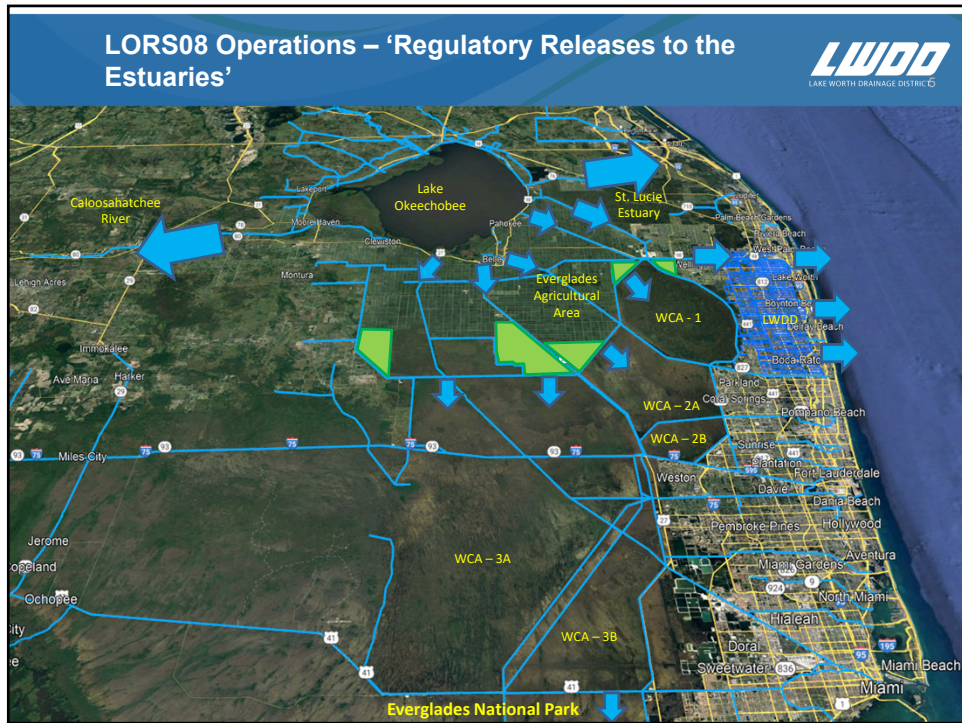
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"The only way to make sense out of chaos is to create order out of chaos, to create a pattern, a design, a purpose, a meaning out of chaos, to make a signal out of noise, to make a speech out of nonsense."

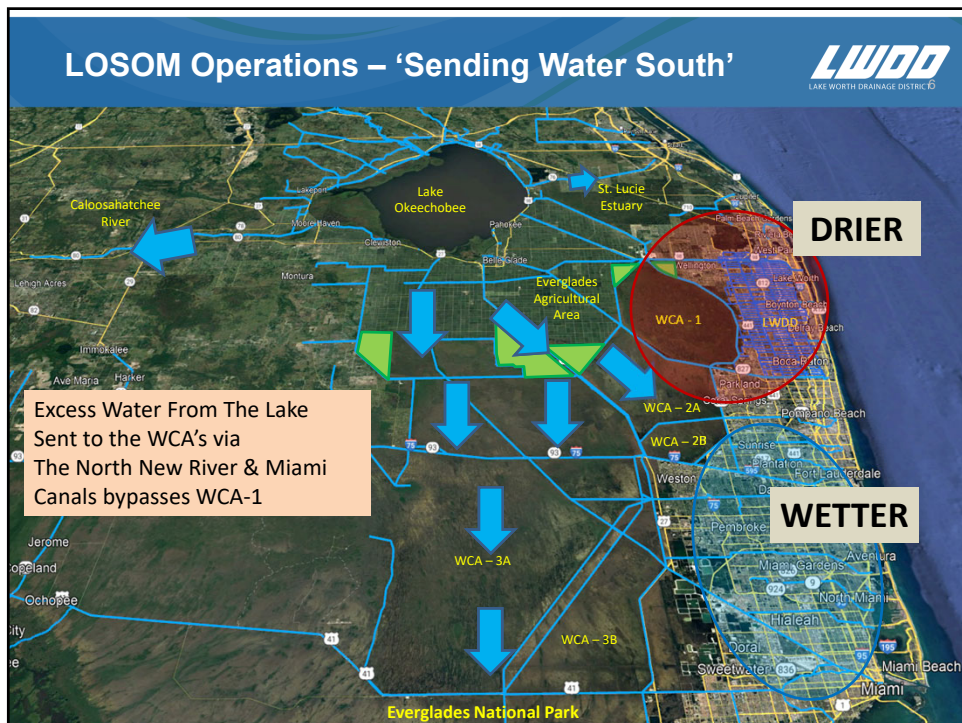
- Benjamin Franklin



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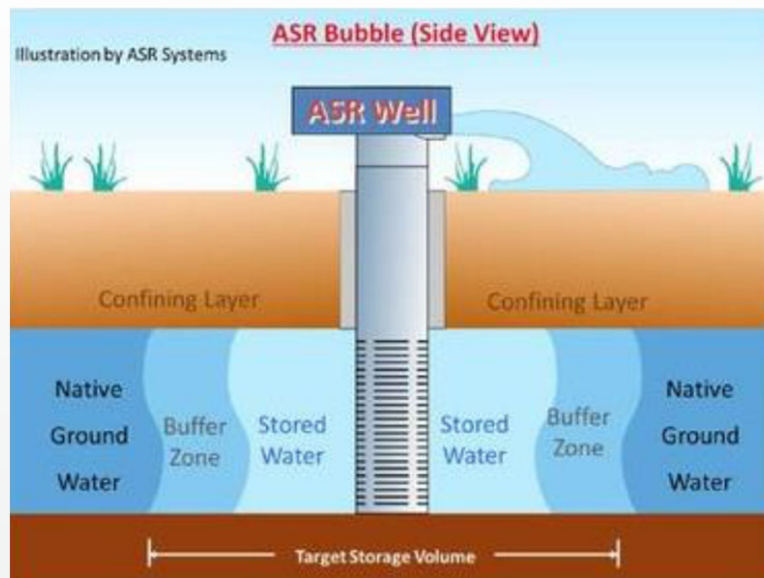


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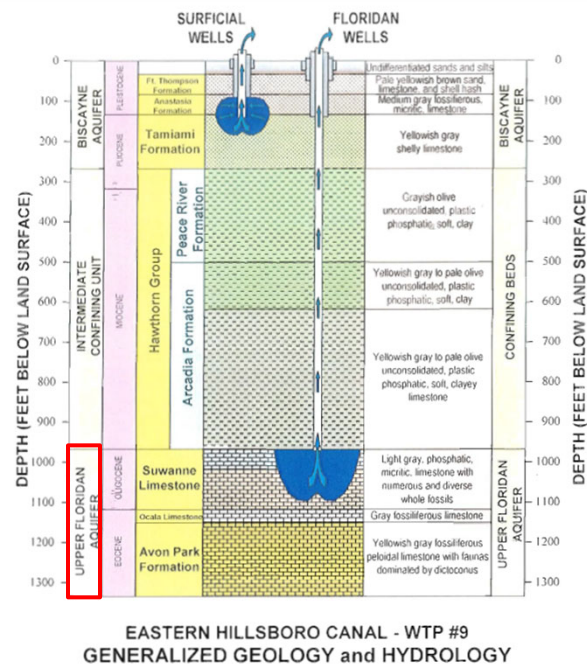


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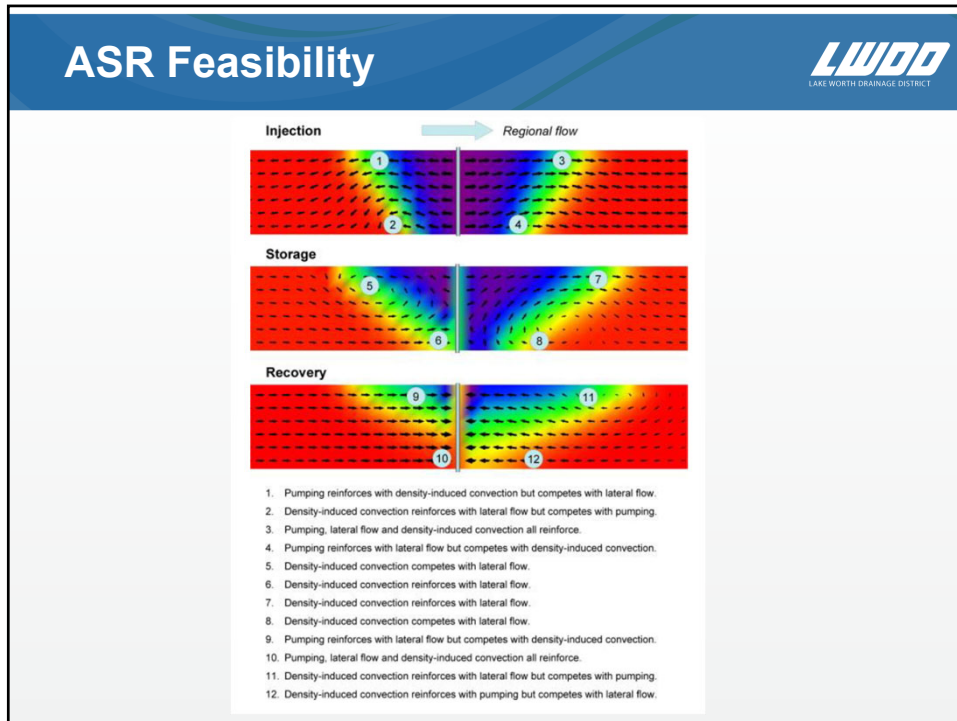
ASR Feasibility



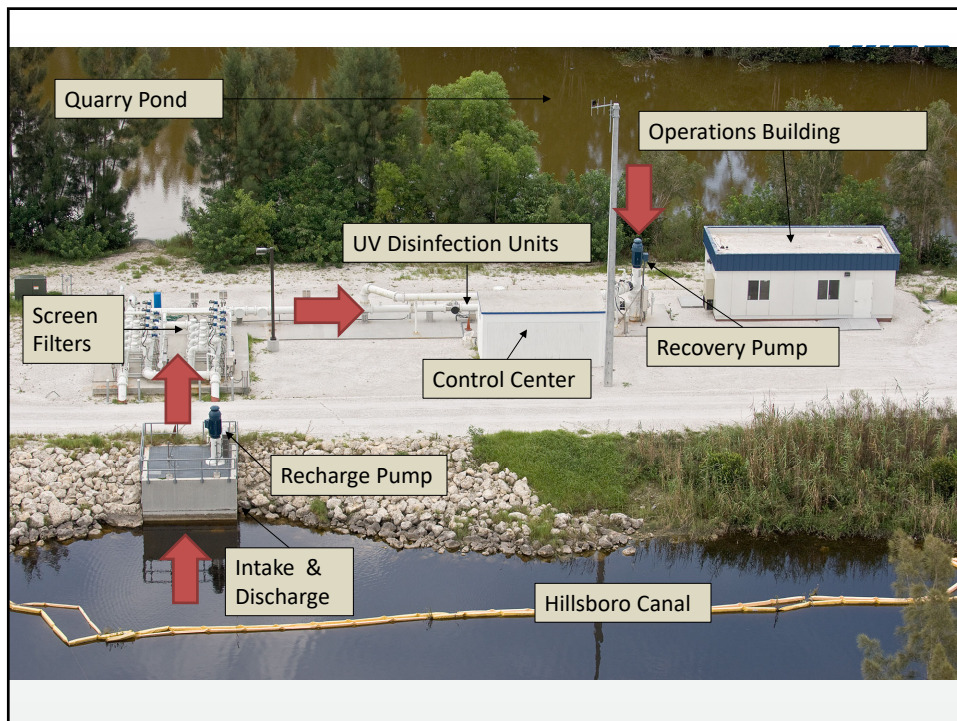
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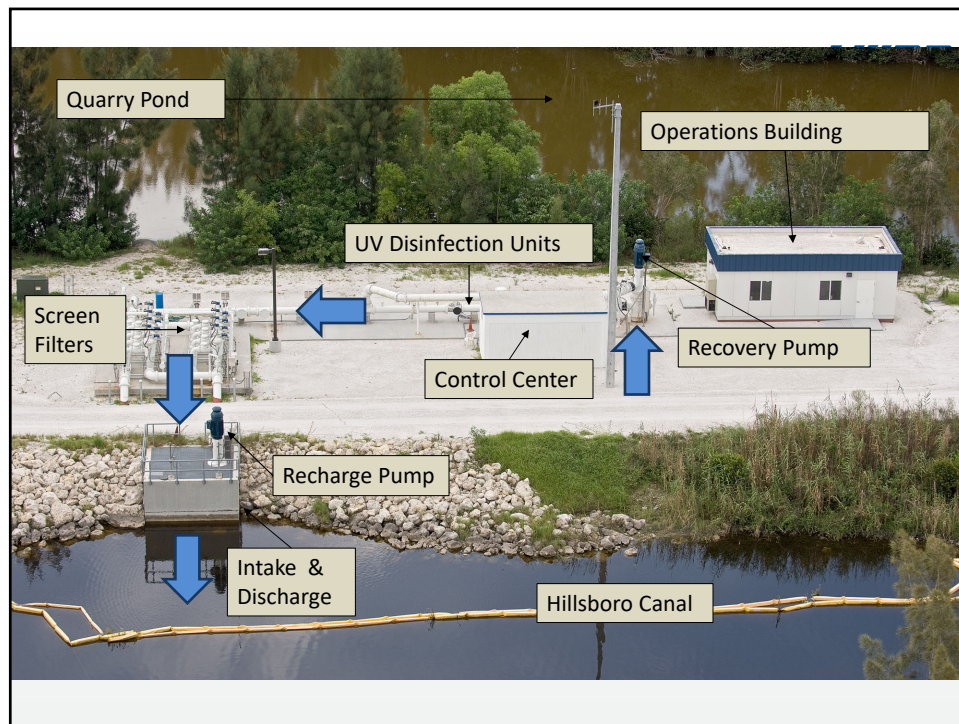
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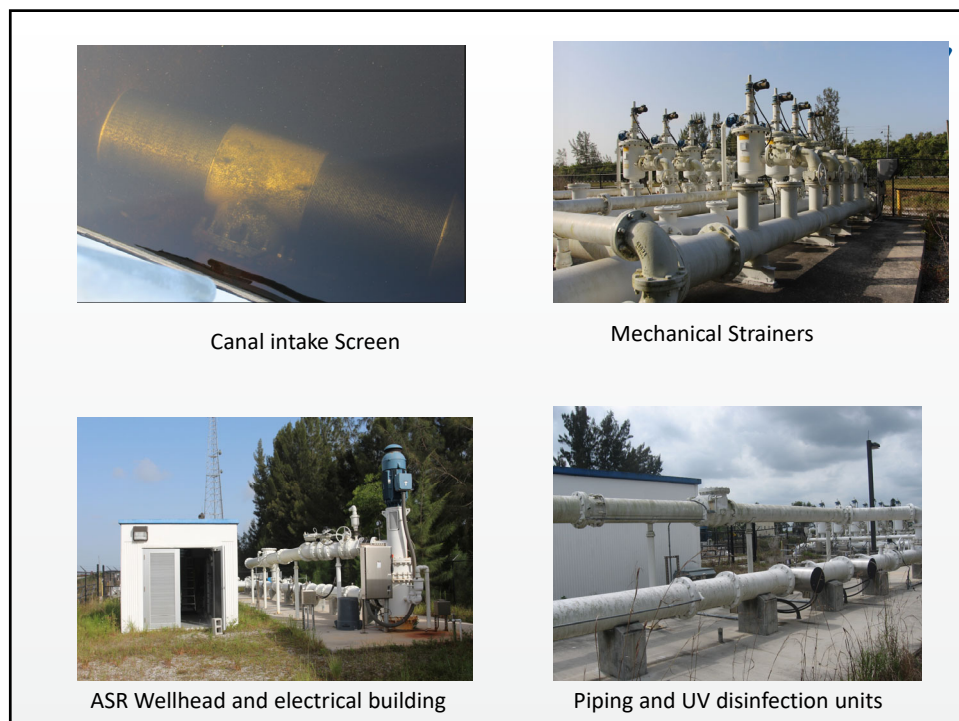
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ASR Feasibility Study



- Scope of Work:
 - Aquifer Suitability & ASR Capacity Assessment
 - Regulatory & Permitting Analysis
 - Sizing of LWDD ASR Program
 - Analysis of Areas for Potential ASR Development
 - Treatment, Cost Estimates & Schedule

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Geology & Hydrology



- Geology
 - **Upper Floridan Aquifer (UFA)**
 - ~1,000 - 1,300 ft. Depth
 - Moderately transmissive
 - Low storativity – greater drawdown potential
 - 100' to 800' Thickness
 - **Avon Park Permeable Zone (APPZ)**
 - ~1,150 -1,350 ft. depth
 - Highly transmissive / fractured
 - High storativity
 - 0' to 600' Thickness
 - Confinement Zones
 - UFA demonstrated adequate confinement at top of aquifer
- **UFA was determined to be a suitable target aquifer**

	Hydrogeologic unit	Approximate thickness (feet)
CURRENT AQUIFER SYSTEM	WATER-TABLE / BISCAYNE AQUIFER	20-400
	CONFINING BEDS	
	LOWER TAMMAMI AQUIFER	
INTERMEDIATE AQUIFER SYSTEM OR CONFINING UNIT	CONFINING UNIT	
	SATISFACTION AQUIFER OR PZ1/P2	0-900
	CONFINING UNIT	
SYSTEM AQUIFER	LOWER BARTON PRODUCE ZONE / PZ3	0-300
	UPPER FLORIDAN AQUIFER (UFA)	100-800
	MIDDLE CONFINING UNIT (MCU)	500-1,500
FLORIDAN AQUIFER	APPZ	0-600
	MIDDLE CONFINING UNIT (MCU)	
	LOWER FLORIDAN AQUIFER	0-1,800
	PZ2	0-700
	SUBFLORIDAN CONFINING UNIT	1,200?

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UFA Water Quality



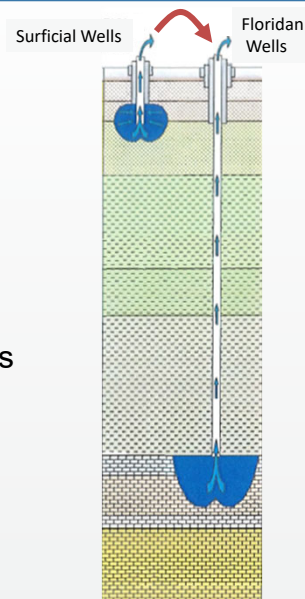
- Total Dissolved Solids (TDS) – related to ‘salinity’
 - When injecting water into an aquifer, there are concerns that lower quality water (high TDS) could migrate upwards thru a confining layer and contaminate freshwater aquifers.
 - TDS concentrations greater than 10,000 mg/l are considered unacceptable.
 - The base of the UFA exhibits TDS concentrations less than this threshold, further indicating the suitability of the UFA as a target aquifer

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Source Water Quality



- In the formulation of CERP, proposed ASR wells assumed the use of ‘surface water’ for injection into the UFA.
- Many utilities in South Florida utilize ‘surficial aquifer’ sources that are associated with Public Potable Water Systems.
- LWDD’s possible use of surficial aquifer wells adds complicating factors that require further discussion with regulatory agencies
 - Conflicts with existing utility wellfields
 - Conflicts with SFWMD’s ‘Regional Water Availability Rule’
 - Conflicts with CERP ‘Water Reservations’



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Source Water Quality (con't)



- FDEP designates the UFA as an underground source of drinking water and therefore is considered to meet standards for drinking water
- Surface water quality presents challenges to the injection of water with pollutant concentrations that exceed the Primary and Secondary Water Quality Standards
 - Primary – Health Standards
 - Coliform Bacteria
 - Chloride (salinity)
 - Secondary – Aesthetic Standard
 - TDS
 - Color
 - Iron

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ASR Well Capacities



- Injection capacities typically 5 MGD per well
- Recovery
 - Recovery rates / volumes highly dependent on numerous factors
 - Aquifer parameters (transmissivity, permeability, storativity, etc.)
 - Injection & recovery cycles
 - Recovery methods
 - Pumping
 - Artisan
 - Based on Hillsboro ASR Cycle Tests Recovery expected to be...
 - ~40% to 80% of the injected volume
 - Between 2 MGD and 4 MGD recovery flow rate

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Regulatory & Permitting



- Regulations – Drinking Water Standards
 - ASR wells are considered Class V Deep Wells
 - Aquifer Exemptions are possible but must be negotiated with the appropriate regulatory agencies
 - Hillsboro ASR was granted an exemption for Color and Iron
- Permitting
 - Consumptive Use Permit (SFWMD)
 - Underground Injection Control (UIC) Construction Permit (FDEP)
 - UIC Operating Permit (FDEP)
 - Modification to existing LWDD Diversion & Impoundment Permit (SFWMD)
 - National Pollutant Discharge Elimination System (NPDES) Construction Permit (FDEP)
 - Environmental Resource Permit (SFWMD)
 - Right-of-Way Permit (SFWMD)

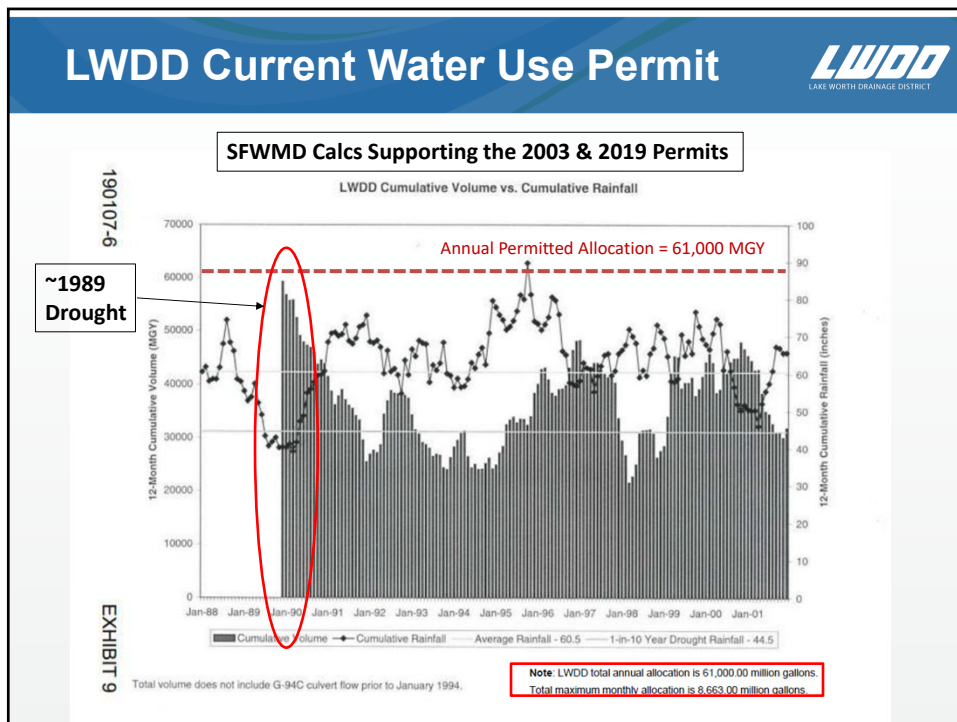
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Sizing of ASR Program

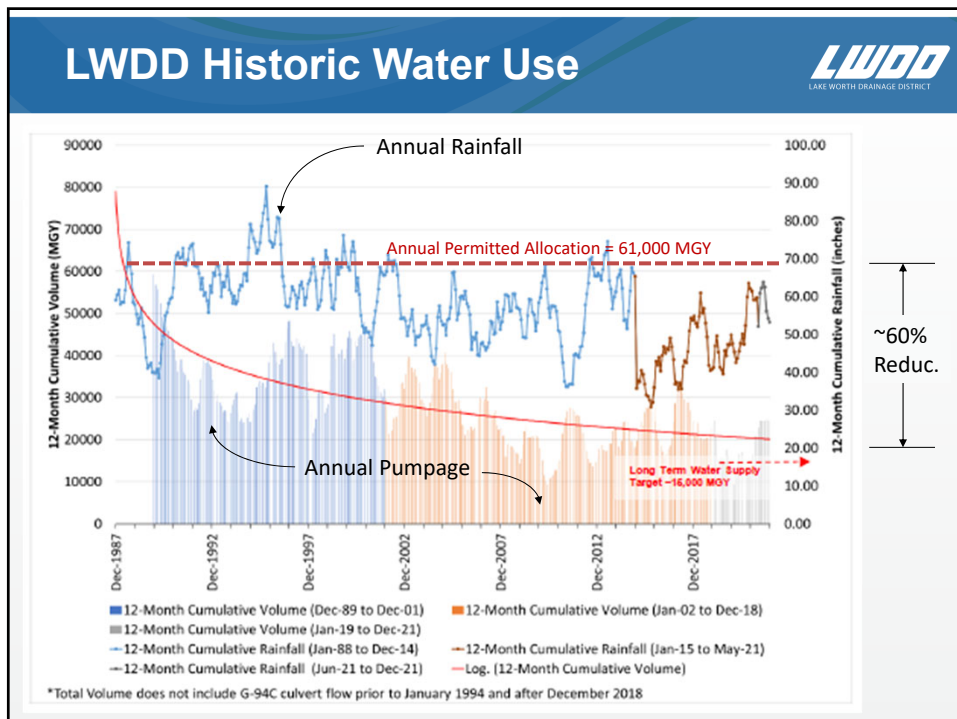


- Water Supply Target (Owner Determined)
 - How much supplemental water do you need?
- Water Availability Analysis
 - How much water is available for capture / injection?
- External factors affecting 'need' & 'availability'
 - Effects of Lake Okeechobee System Operating Manual (LOSOM)
 - Effects of Climate Change
- ***Need → Availability → Recovery → ASR Size***

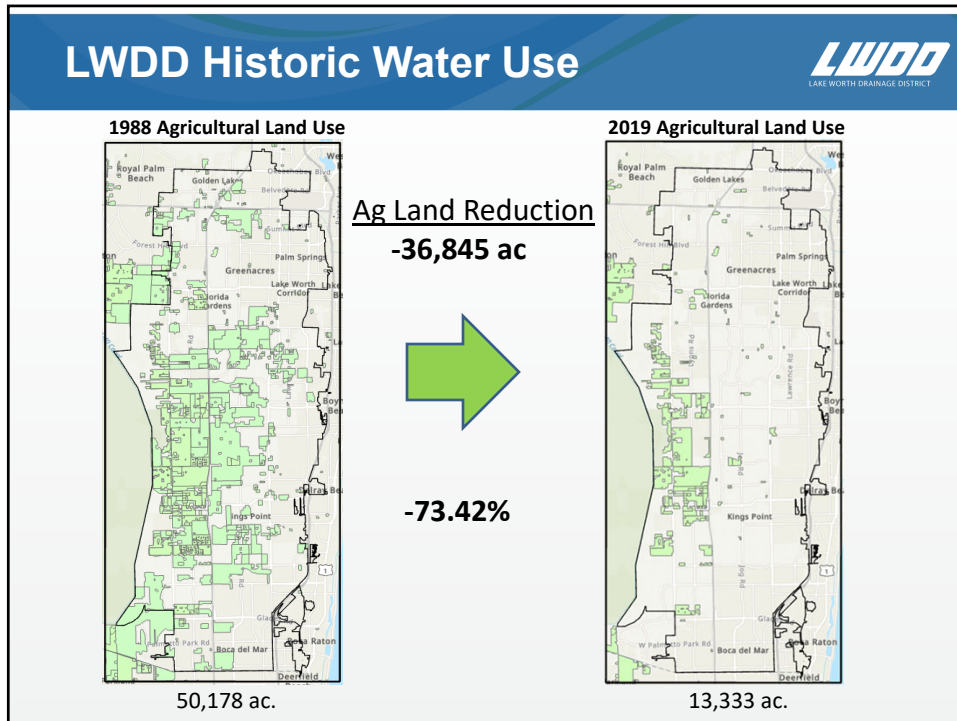
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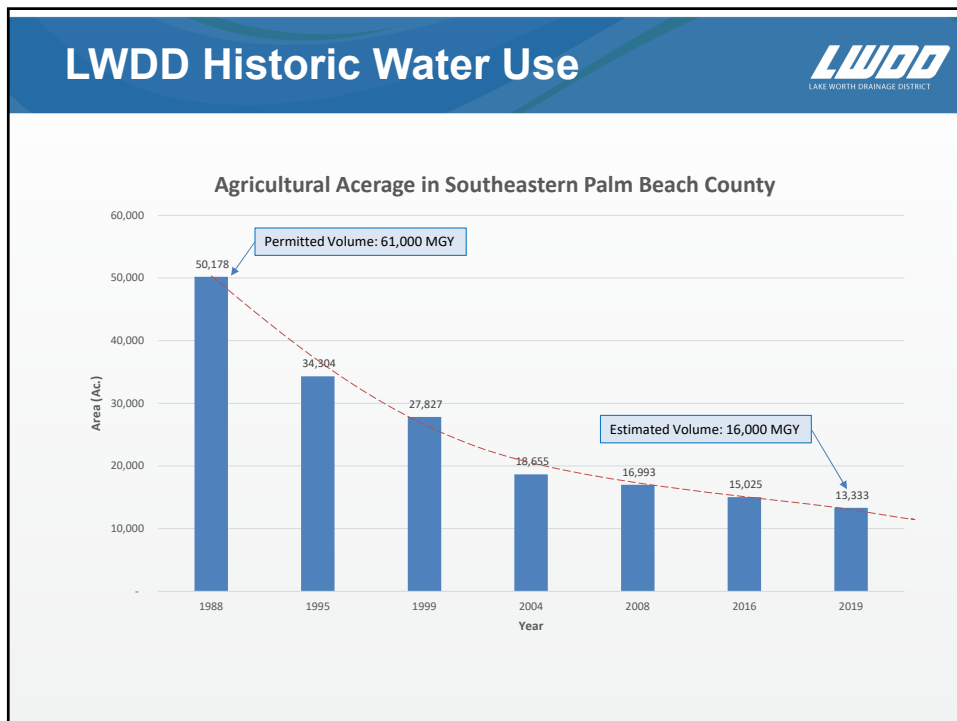
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ASR Water Supply Target



- Over the past 20 years, there has been a general long-term downward trend in the annual quantities of supplemental water pumped into LWDD for irrigation & recharge
 - ~60,000 MGY (1989 – Dry Conditions)
 - ~30,000 MGY (2014 – Dry Conditions)
- Projecting this trend in the future it is estimated that dry condition demand could be approx. 16,000 MGY. (44 MGD)
- Assuming that some regional water will be available during a water shortage, a 25% reduction was applied, for an estimated ASR Demand of ~10,000 MGY (~30 MGD)

LWDD ASR TARGET RECOVERY VOLUME: ~10 – 5 MGD ASR Wells

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Areas for Potential ASR Development



- Water Availability
 - Water for capture and injection would be focused on excess surface water flow discharged to tide

Region	Wet season only	
	Average Flow (MGD) Available for Storage	Approximate number of wells that can be supplied @ 5 MGD injection rate
East (from CS-9, 11 and 12)	58	11
South (Hillsboro ASR Development)	41	8
North (from CS-4)	20	4
West (From WCA-1)	83	16
Total	202	39

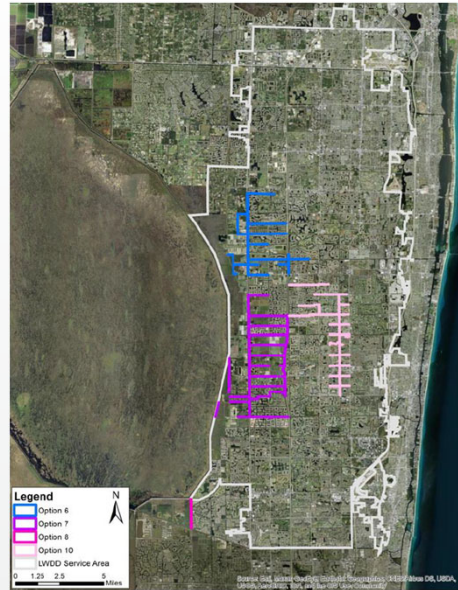
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Areas for Potential ASR Development



■ Siting Options & Alternatives

- Suitable Aquifer Cond. – Aquifer Storage Cap.
- Available Excess Water
- Canal Capacity
- Proximity to high water demand
- Avoid conflicts with existing UFA ASR wells
- Land Availability
- Utility Power Availability



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ASR Site Selection



- A Selection Scoring / Weighting was developed based on LWDD needs
- West Delray & LWDD HQ were most suitable

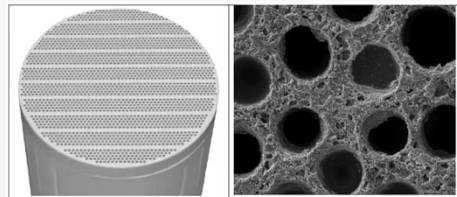
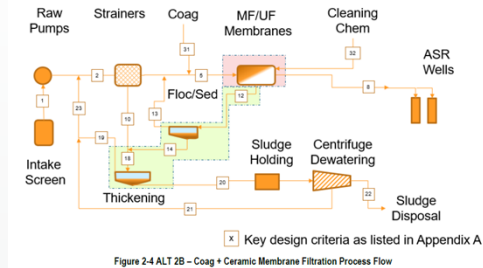
Non-Economic Criteria	Weighting	SITE OPTIONS/SCORE			
		6	7	8	10
		West Boynton	West Delray	Site 1 - West Hillsboro	LWDD HQ
Access to Wells	20	15	13	18	20
Storage Capacity (# ASR Wells)	15	15	15	15	6
Canal Capacity & Proximity to Users	15	8	15	5	10
Operational Flexibility for Stage Control	15	8	11	15	15
Availability/Permittability of Land for Treatment DEP Permittability (proximity to other legal users)	15	4	15	10	15
Surficial Aquifer Augmentation	10	8	10	4	8
Utility Power Availability	10	8	8	10	10
Overall Score	110	72	97	87	92

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Water Quality Treatment



- The most significant element of ASR Feasibility (\$ Cost) is meeting FDEP standards to inject water into the UFA
- FDEP requires injection water meet Primary and Secondary water quality standards
 - Exemptions are possible, but difficult to obtain
- Therefore, standardized water treatment processes must be considered



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Treatment Options



- Conceptual Treatment Technologies
 - Granular media filtration – followed by UV disinfection
 - May not meet secondary standards (May require Exemption)
 - Membrane filtration
 - Polymeric membrane filtration
 - May not meet secondary standards (May require Exemption)
 - **Ceramic membrane filtration**
 - **Meets secondary standards**



7MGD Ceramic Membrane System – Bute, Montana

<https://www.waterworld.com/drinking-water/treatment/article/14174151/aquaerobic-systems-inc-ceramic-membrane-system-solves-dpb-challenge-at-buttesilver-bow>

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Cost Estimates



- Cost Estimates
 - Capital Expenses (CAPEX)
 - Operating Expenses (OPEX)
- Evaluated costs over a range of potential ASR system capacities
 - 10 MGD and 50 MGD

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Cost Estimates



Cost Range: 10MGD – 50MGD Capacities

Alternative	Description	Est. CAPEX (\$Million)	Est. Annual OPEX (\$Million)	NPV – 50yr Life Cycle (\$Million)	Drinking Water Std. Met
Alt. 1	Media Filtration, UV Disinfection	\$62 - \$205	\$1.7 - \$4.0	\$125 - \$367	Primary Met (Secondary, WQCE Required)
Alt. 2A	Membrane Filtration, Polymeric	\$73 - \$235	\$2.4 – \$6.8	\$165 - \$518	Primary Met (Secondary, WQCE Possibly Required)
Alt. 2B	Membrane Filtration, Ceramic	\$96 - \$293	\$3.1 – \$9.6	\$215 - \$691	Primary Met, Secondary Met.

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Funding Implications



- LWDD current annual budget: \$17 Million
- Land Assessment: \$49.50 per ac. (or sub. thereof)
- If LWDD undertook an ASR implementation program with a capital costs of ~\$200M (Alt. #1)
 - Would require a one-time assessment of \$678 per parcel
 - If costs were financed over a 30-yr term (6%) the assessment rate would increase by \$45 per yr. for a total assessment rate of \$94.50 per acre
 - To cover the ASR program capital costs of this magnitude, LWDD residents would be subject to a rate increase of between 1.9 and 2.3 times the current rate

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Funding Implications



- Operating costs would be expected to range between \$4M and \$31M (Alt. #1)
 - Which could also potentially increase the current assessment rate between ~25% and ~200%
- A scenario at this magnitude would require bonding (borrowing) at a significant level
- The potential combination of debt and the significant increases in non-ad valorem assessments, for both capital and operating expenses, is a financial condition that this agency has never experienced

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Summary



- The application ASR Technology to mitigate LWDD water supply needs is ‘technically’ feasible
 - Water availability
 - Aquifer suitability
 - Conveyance capacities
 - Land availability (may require some acquisition)
 - Applicable treatment technologies
- But the projected costs reasonably exceed the agency’s capability to fund

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Next Steps



- Discuss Future Options in Coming Months...
 - ‘Do Nothing’
 - Legal action regarding lost regional storage
 - USACE - LOSOM
 - SFWMD - Lower East Coast Regional Water Supply Plan
 - Other ‘Partnership’ Storage Options
 - Public or Private Partnership Opportunities in Regional Storage
 - Site 1 Reservoir / ASR
 - C-51 Reservoir
 - Potential Partners
 - SFWMD
 - USACE
 - Palm Beach County
 - Private Entities



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Next Steps



- Board direction on ASR Program implementation
- Board direction on future operation of Hillsboro ASR site

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Agenda Item #5



1

Background

- LWDD seeking brokerage services for property & casualty and workers' compensation insurance
- Entered current contract with Brown & Brown in August 2011
- Contract timeframe has expired and LWDD required to solicit formal proposals in accordance with public procurement policies

LWDD
LAKE WORTH DRAINAGE DISTRICT

2

RFP Scope of Work



- Provide services to routinely evaluate risks and make recommendations for the appropriate mitigation of those risks in a cost beneficial way.
- Review the quality of the coverage, cost effectiveness, competitiveness and administration on an annual basis.
- Assist with all tasks related to the annual renewal process for all insurance coverages.
- Coordinate notice of claims and/or losses to underwriters and act as a facilitator during the claim process.

3

Timeline



- ✓ **January 11, 2023**- Board approved to solicit brokerage services
- ✓ **February 27, 2023** - RFP was uploaded online with Demand Star
- ✓ **April 6, 2023** – Deadline for responses
- ✓ **April 19, 2023** – Selection committee met
- **May 17, 2023** – Approval of ranking, consideration and award by District Board

4

Request for Proposals



We received proposals from the following firms:

- Brown & Brown
- Egis Insurance & Risk Advisors

The members of the Selection Committee charged with evaluating the proposals were:

- Carrie Hill, Board Supervisor
- Melissa Skora, HR Administrator
- Karen Hoyt, Director of Finance

5

Criteria for Ranking



- The Evaluation Committee reviewed the proposals and scored the proposals based on the following criteria:
 - Responsiveness of Submittal
 - Expertise and Reliability
 - Service Factors
 - Fee Proposal
- Final Ranking:
 1. Brown & Brown
 2. Egis Insurance & Risk Advisors

6

Contract Terms



Brown & Brown shall provide brokerage services for the following lines of coverage:

- a) Property, b) Inland Marine, c) General Liability,
- d) Automobile, e) Public Officials,
- f) Employment Practices, g) Cyber Liability,
- h) Crime, i) Workers' Compensation,
- j) Storage Tank Liability and k) Pollution Liability

The term of the agreement is for a period of two years with option to renew for additional one-year periods.

The Broker Services fee shall be payable in annual amounts as follows:

- First year - \$22,000
- Second year - \$23,500

7

Recommendation **DRAFT**



- Approval of firms' ranking in response to the Request for Proposals (RFP) for Brokerage Services for Property & Casualty and Workers' Compensation Insurance and authorization to enter into contract with top ranked firm, Brown & Brown

8

L-5; Jog Road to Fergusson Lane Proposed Fence Installation

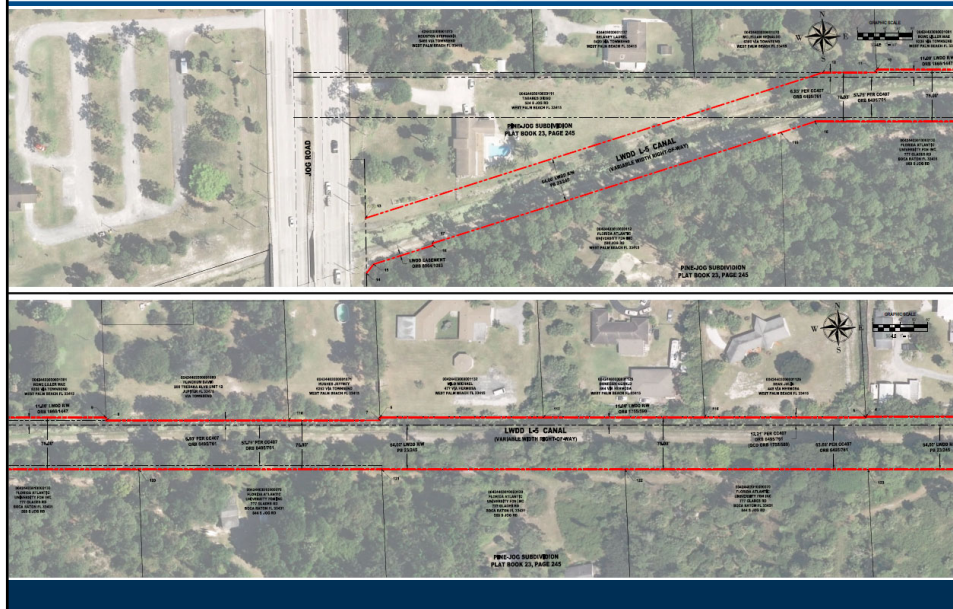
Anthony LasCasas P.E.
Director of Operations & Maintenance

Governing Board Workshop
May 10, 2023
Agenda #5

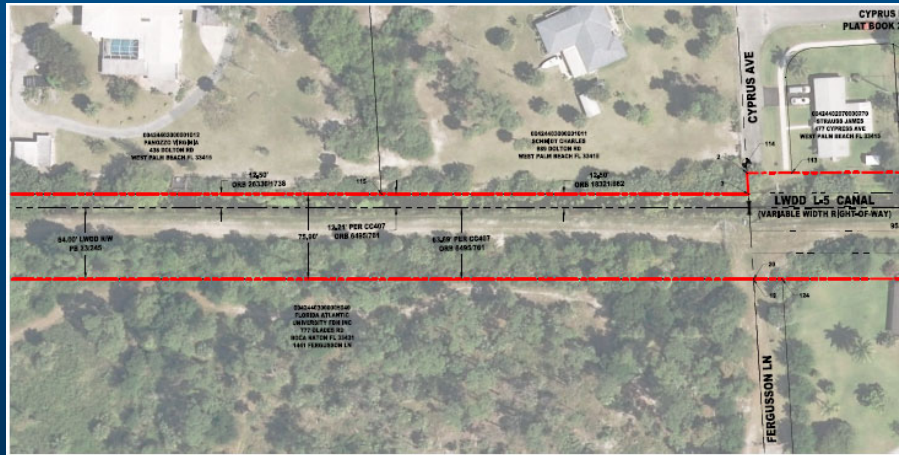


1

Scheduled CRP – Project Limits



2



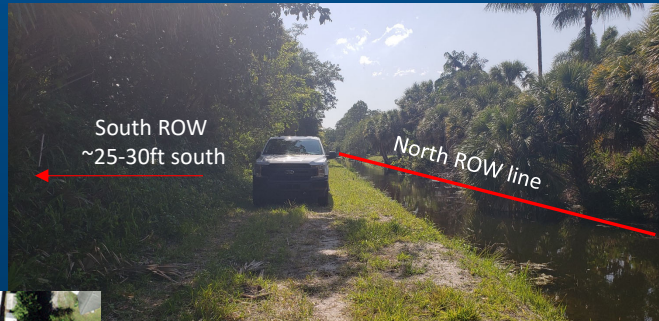
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- The L-5 acts as a critical lateral connecting Control Structure #4 and the E-2 canal with the Control Structure #6 and the E-3 canal.
- This specific reach, from Jog Rd to Fergusson has limited ROW, with portions of the north bank outside of the ROW requiring significant realignment, including removal of an existing berm and regrading the entire reach.

4

L-5 Right-of-Way

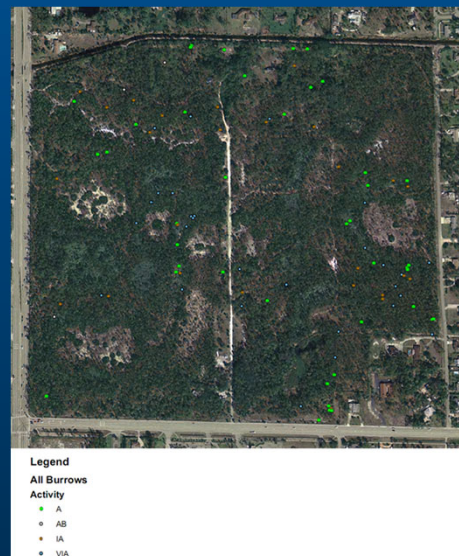


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Project Considerations



- The area is a Preserved Natural Area maintained by FAU
- The area is a known habitat for Gopher Tortoises and currently sustains an existing population. A detailed report in May 2009 identified 47 active burrows
- Fencing would serve both to protect the Tortoises from entering the ROW, and significantly reduce the need for any future relocation



6

Tentative CRP Schedule



- February 2023 – Staked right-of-way; met with Pine Jog Environmental Center to discuss upcoming CRP project
- April 2023 – Ordered Cross Sections Survey to develop realignment plan
- May 2023 - Ordered Environmental Survey to detect the presence of Gopher Tortoises, Burrowing Owls and other protected species
- June 2023 – Public Notices to adjacent property owners & public meeting for residents & stakeholders
- July 2023 – Solicit Bids from Prequalified Contractors
- July 2023 – Vegetation Removal begins
- Sept. 2023 – Berm Removal & Canal Realignment begins

7

Fencing Estimate



Estimated Cost \$106,000

CHAIN LINK MATERIAL SPECIFICATIONS									
STYLE	OTR	TOTAL HEIGHT		5'		FABRIC HEIGHT		6'	
FABRIC TYPE	BLACK VINYL	GAUGE		8 GA		MESH		2"	
SERVAGE	KK	BRACE RAIL		1 5/8"		TOP RAIL		1 5/8"	
LINE POST	2 1/2"	O.D.	SPACED	10'	O.C.	END POST	3"	O.D.	
CORNER POST	3"	O.D.	WALK GATE POST	N/A	O.D.	DRIVE GATE POST	N/A	O.D.	
GATE FRAMES: SGL	N/A	O.D.	GATE FRAMES: DBL	N/A	O.D.	FRAME COATING	BLACK		
CONCRETE FOOTINGS									
LINE POSTS	12" X 42"		TERMINAL POSTS		12" X 42"		GATE POSTS		N/A
MATERIAL LIST									
1) BLACK VINYL COATED CHAIN LINK FENCE									
2750 LINEAL FEET OF 6' HIGH, 9 GAUGE CORE, 2" MESH, BLACK VINYL COATED CHAIN LINK FENCE 2 1/2" OD SS 40 LINE POSTS. 3" OD SS40 TERMINAL AND PULL POSTS 1 5/8" OD TOP AND BRACE RAIL. 7 GAUGE BOTTOM TENSION WIRE. ALL POSTS SET INTO CONCRETE FOOTINGS. HOLES WILL BE DUG 42" DEEP WITH 30" OF CONCRETE AT THE BOTTOM. FABRIC WILL BE BURIED 12" INTO THE GROUND ALL FENCE MATERIALS WILL BE BLACK IN COLOR.									
TOTAL COST \$105,987.00 PLUS COST OF PERMIT IF REQUIRED.									

8

Recommendation **DRAFT**

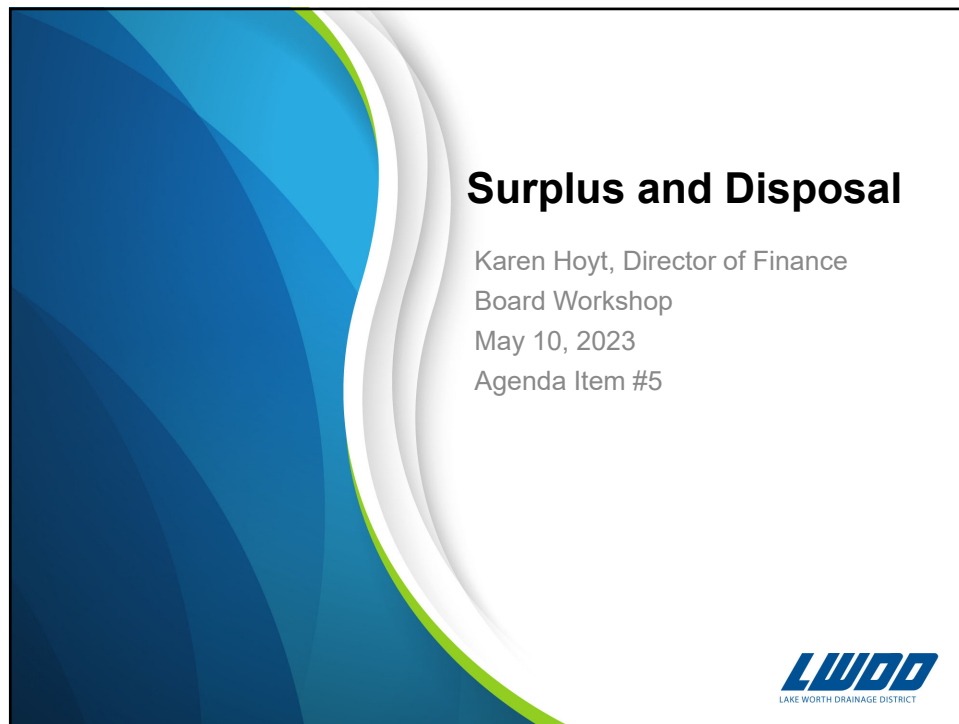


- Authorize staff to request Bids for the installation of a chain link fence on Pine Jog parcel adjacent to L-5 Canal subject to:
 - Pine Jog Environmental Center to pay the increased cost to raise the fence height to 6 ft to 8ft
 - Ownership and perpetual maintenance of the fence responsibility of Pine Jog Environmental Center

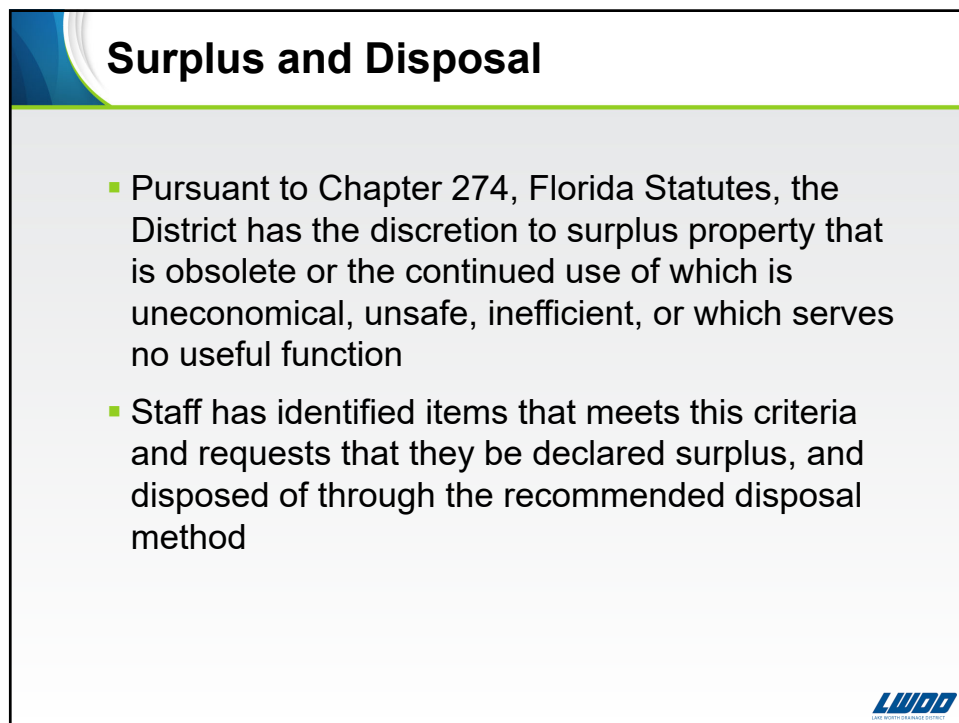
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10




1




2

Asset ID	Description	Cost or Basis	Acquisition Date	Estimated Accumulated		Estimated Book Value	Recommended Disposal Method
				Useful Life	Depreciation at 9-30-2022		
Buildings & Improvements							
1 B154C	Security Camera System - NVR, Hikvision	5,414.22	5/1/2018	120	2,391.43	3,022.79	IT Asset Disposition Provider/Employee Sale/Recycling Program
Machinery & Equipment *							
2 M-057	BACK HOE W/TRACKS (Hours: 11,698)	160,572.00	3/28/2005	180	160,572.00	0.00	Online Auction Website/Employee Sale/Recycling Program
3 M-057A	60" Tilting Ditch Cleaning Bucket	8,875.00	5/10/2021	120	1,257.32	7,617.68	Online Auction Website/Employee Sale/Recycling Program
4 M-082	Tractor - Kubota, M9960 (Hours: 8,384)	40,452.13	4/30/2015	120	30,339.00	10,113.13	Online Auction Website/Employee Sale/Recycling Program
5 T-095	2007 STERLING F-750 (Hours: 8,044)	65,531.00	1/22/2007	180	65,531.00	0.00	Online Auction Website/Employee Sale/Recycling Program
6 T-095A	20' FLATBED	9,500.00	1/17/2007	180	9,500.00	0.00	Online Auction Website/Employee Sale/Recycling Program
7 T-095B	Ramsey 30K Hydraulic Winch	8,395.00	4/2/2007	120	8,395.00	0.00	Online Auction Website/Employee Sale/Recycling Program
8 T-095C	Hydraulic PTO Installed	3,895.00	4/2/2007	120	3,895.00	0.00	Online Auction Website/Employee Sale/Recycling Program
9 TRL-25	2015 Dump Trailer - 14 ft	6,629.00	11/12/2014	120	5,247.80	1,381.20	Online Auction Website/Employee Sale/Recycling Program
10 TRL-26	2014 Dump Trailer - 12 ft	6,596.46	1/12/2015	120	5,112.21	1,484.25	Online Auction Website/Employee Sale/Recycling Program
11 TRL-27	2014 Dump Trailer - 12 ft	6,596.46	1/12/2015	120	5,112.21	1,484.25	Online Auction Website/Employee Sale/Recycling Program
Office Furniture, Fixtures & Equipment							
12 07327	Cisco Small Business Switch	1,320.32	1/6/2014	60	1,320.32	0.00	IT Asset Disposition Provider/Employee Sale/Recycling Program
13 07331	Server - Dell, PE R520	5,280.54	12/6/2013	60	5,280.54	0.00	IT Asset Disposition Provider/Employee Sale/Recycling Program
14 07332	Server - Dell, PE R720	6,244.22	12/6/2013	60	6,244.22	0.00	IT Asset Disposition Provider/Employee Sale/Recycling Program
15 07572	Scanner - HP ScanJet Enterprise	2,729.68	11/28/2017	120	1,342.25	1,387.43	IT Asset Disposition Provider/Employee Sale/Recycling Program
338,031.03				311,540.30		26,490.73	
* All items are slated to be replaced within the 2023 Operating Budget							






3



Staff Recommendation **DRAFT**

Declare listed items surplus and authorize disposal of items through the recommended disposal method.



4

**Request for Qualifications (RFQ) for
Tree & Vegetation Removal Services
June 2023 – May 2024**
RFQ #23-9887L.06

Michelle Sinclair, Project Coordinator

Board Workshop
May 10, 2023
Agenda Item #5



1

Background



- May 2022 – Board approved six (6) Qualified Contractors for Tree & Vegetation Removal Services, as needed, from June 2022 to May 2023 for remaining CRP-Vegetation Removal projects
- LWDD staff efforts focusing on maintaining Low Maintenance rights-of-way already cleared during completed CRP projects

2

RFQ Schedule



- ✓ April 16 - Advertise RFQ in Sun Sentinel
- ✓ April 17 – Broadcast RFQ on DemandStar.com
- ✓ May 8 – Qualification Packages Due
- May 17 – Board approval of Qualified Contractors

3

Qualified Contractors



- 9 Contractors responded – 6 Qualified Contractors

	Company Name	Completed Previous LWDD Projects
1.	A Plus Environmental	no
2.	ATL Diversified	Yes
3.	Coco Tree Service	Yes
4.	DRC Emergency	no
5.	East Coast Mulch	no
6.	Sherlock Tree Co.	no

NON-RESPONSIVE:

Aquatic Control Group – failed to submit proper insurance certification

Salgado Tree Trimming – failed to submit, personnel list, insurance certification, litigation summary, certificate of good standing

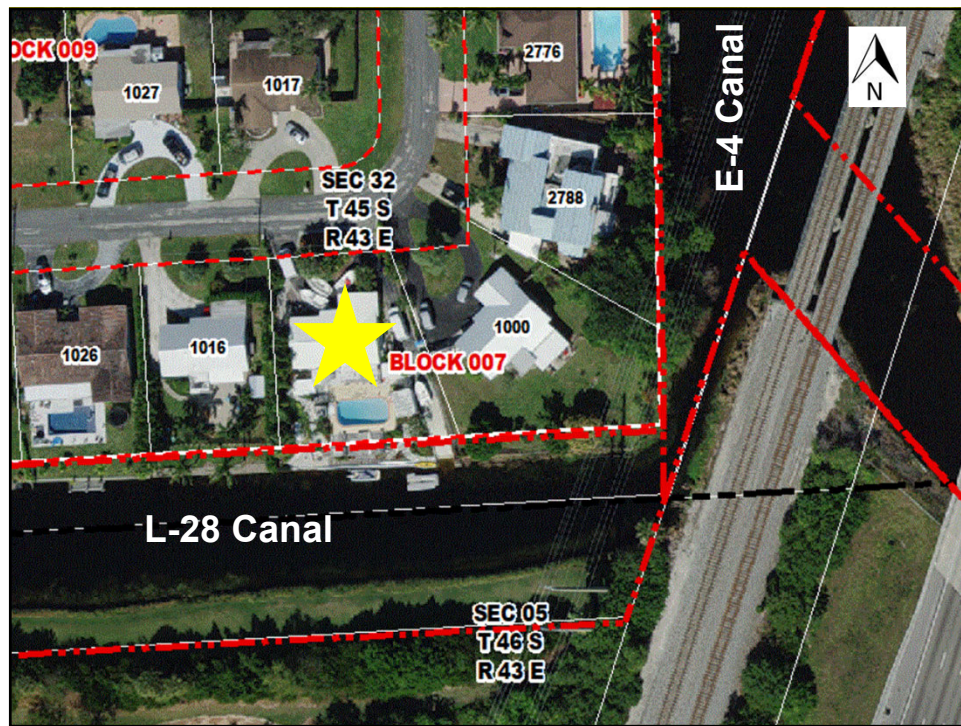
STI Land Development – failed to submit qualifications & experience, equipment inventory, personnel list, references, litigation summary

4

Staff Recommendation**DRAFT**

- Approval of list of Qualified Contractors to perform hazardous and exotic Tree & Vegetation Removal services, as needed, during a one-year period from June 2023 to May 2024

Agenda Item #5



1



2

Hand-drawn site plan of a residential property. The plan shows a large rectangular lot with a diagonal road or driveway on the right side. Key features include:

- Top Boundary:** A horizontal line with a dimension of 105.00'.
- Right Boundary:** A diagonal line with a dimension of 117.54'.
- Bottom Boundary:** A horizontal line with a dimension of 105.00'.
- Left Boundary:** A vertical line with a dimension of 111.81'.
- Internal Structures:**
 - A central rectangular structure labeled "1 STORY C.B.S. RESIDENCE" with dimensions 47.0' x 27.0'.
 - A smaller structure labeled "FRANK SHED (ON SLAB)" with dimensions 15.5' x 8.4'.
 - A structure labeled "FRANK ADDN." with dimensions 15.5' x 8.4'.
 - A structure labeled "ROCK 15' x 50'".
 - A structure labeled "CHATTANOOGA ROCK PATIO (SCREENED)".
 - A structure labeled "ROCK RAMP 7' x 12'".
- Other Features:**
 - A "FRANK SHED (ON SLAB)" with dimensions 15.5' x 8.4'.
 - A "FRANK ADDN." with dimensions 15.5' x 8.4'.
 - A "ROCK 15' x 50'".
 - A "CHATTANOOGA ROCK PATIO (SCREENED)".
 - A "ROCK RAMP 7' x 12'".
 - A "FRANK SHED (ON SLAB)" with dimensions 15.5' x 8.4'.
 - A "FRANK ADDN." with dimensions 15.5' x 8.4'.
 - A "ROCK 15' x 50'".
 - A "CHATTANOOGA ROCK PATIO (SCREENED)".
 - A "ROCK RAMP 7' x 12'".
- Dimensions and Notes:**
 - Top boundary: 105.00'.
 - Right boundary: 117.54'.
 - Bottom boundary: 105.00'.
 - Left boundary: 111.81'.
 - Internal dimensions: 47.0', 27.0', 15.5', 8.4', 107'19"20", 107'35"20", 107'19"20", 107'35"20", 107'19"20", 107'35"20
 - Notes: "FOUND 1/2\" IRON ROD", "UTILITY WIRE", "FRANK SHED (ON SLAB)", "FRANK ADDN.", "ROCK 15' x 50'", "CHATTANOOGA ROCK PATIO (SCREENED)", "ROCK RAMP 7' x 12'", "FRANK SHED (ON SLAB)", "FRANK ADDN.", "ROCK 15' x 50'", "CHATTANOOGA ROCK PATIO (SCREENED)", "ROCK RAMP 7' x 12'".

2



5



6

Background



- June 1976 – Original Seawall Permit issued (TP-154; 76-4055S.01)
- February 1992 – Temporary Boat Dock/Seawall Permit issued (92-3610A.01)
- October 1997 – Boat Dock/Seawall Permit Transfer issued (92-3610A.01)
- June 2020 – Notice of Violation Letter mailed (CM-20-0180; Floating Dock & Permit Transfer Req'd.)
- September 2020 – Final Notice mailed
- May 2020 – Floating dock removed
 - All of the other encroachments remained
- August 2022 – All other above-ground encroachments removed
 - Boat Ramp/Driveway remains
 - 2023 – Mr. VanDyke requested for approval to leave Boat Ramp/Driveway; Needs LWDD approval prior to closing City of Boynton Beach violations

7



8

