

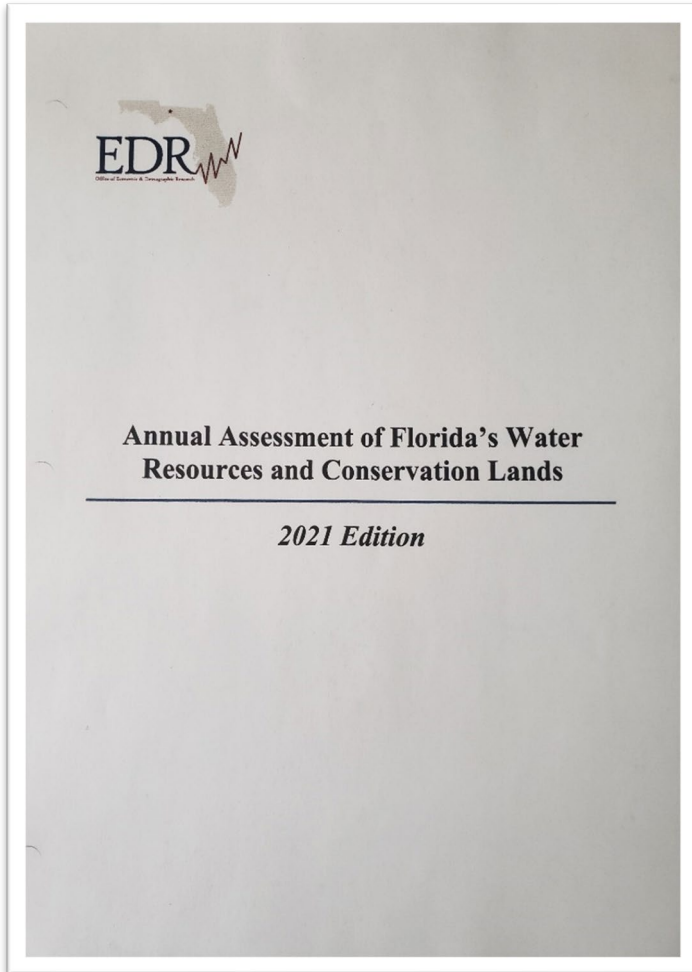
“Statewide Water Infrastructure Update”

Joint Workshop

South Florida and Treasure Coast Regional Planning Councils

February 17th, 2023

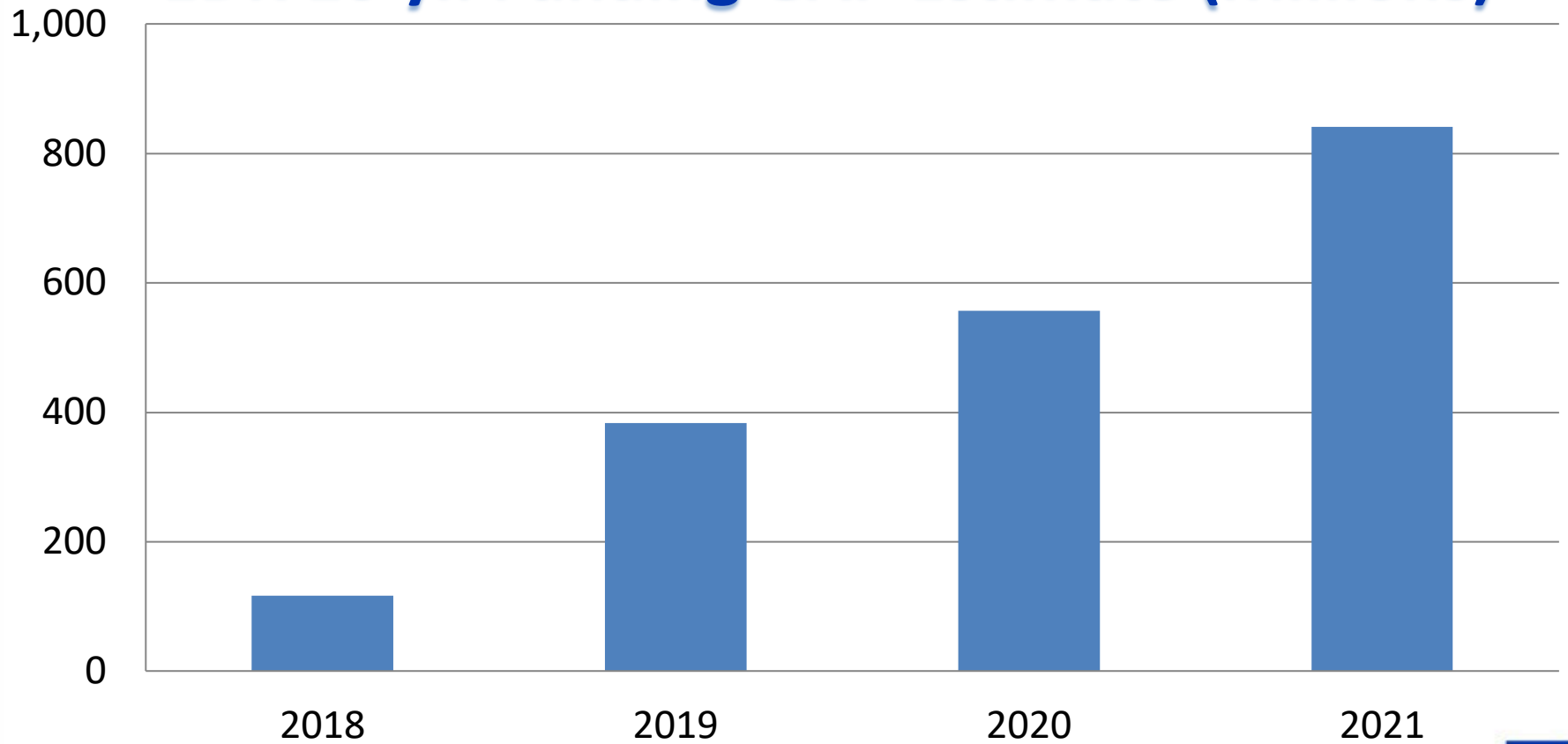




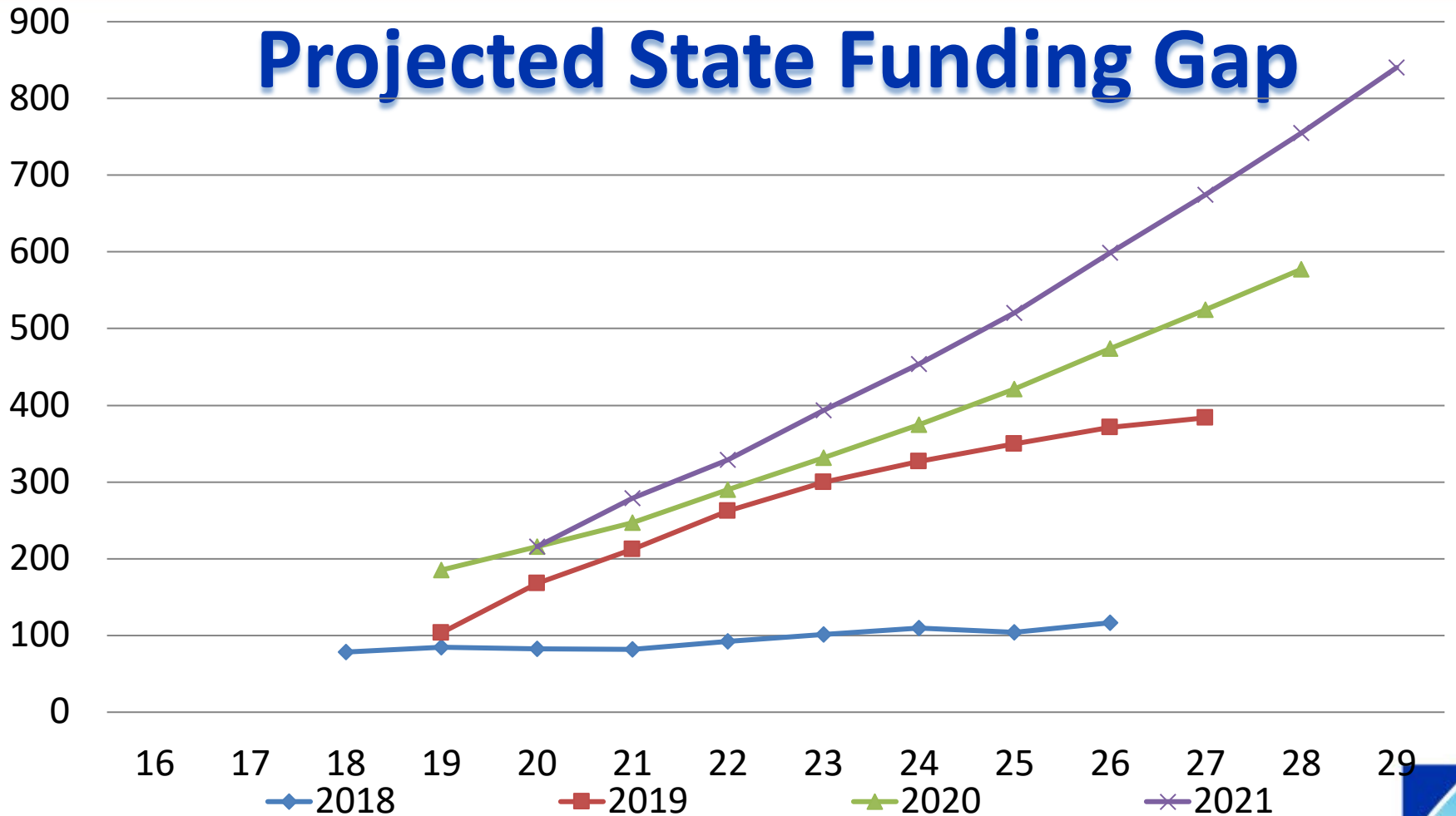
2016: SB 552

403.928 Assessment of water resources and conservation lands.—The Office of Economic and Demographic Research shall conduct an annual assessment of Florida's water resources and conservation lands.

EDR 10 yr. Funding GAP Estimate (Millions)



Projected State Funding Gap



EDR Assessment of Florida's Water Resources - 2023 Edition

Water Supply Urban & Agriculture (1.62%)

- Statewide 14% Increase in use by 2040
- 49.6 MGD shortage in the Lower East Coast
- 6.0 MGD shortage in the Upper East Coast
- Both regions will require \$462.2 million to meet the projected need by 2040 of which the State “plans” to contribute \$16.9 million.

Water Supply For Natural Systems

- \$536.8 million will be required statewide for MFL's
- \$332.1 million will be required for non-MFL water supply projects
- \$15.8 million will be required for reclaimed water recharge projects
- The State currently "plans" to contribute \$132 million (14.9%) towards the \$884.8 million natural systems water supply funding need.

Summary for All Water Supply

- EDR estimates a need of \$2.9 billion by 2040 with the State only “covering” \$514.8 million (17.6%) of the total.
- NOTE: the 2023 Edition of the report does not include in its calculation replacement of aging infrastructure by local governments. The last estimate published related to this need totaled \$24.1 billion over 20 years.



Water Quality Protection - TMDLs

- There are 1,846 impaired water bodies in Florida
- As of December, 31 2022 DEP had adopted 459 Total Maximum Daily Loads (TMDLs)
- 1,428 TMDLs “could” proceed to development
- EDR reports that under the current funding levels the state will expend \$318.7 million over the next 10 years on TMDL development.



Water Quality Protection - BMAPs

- To date the state has adopted 33 Basin Management Action Plans (BMAPs)
- EDR forecasts that it will cost nearly \$11.6 billion to comply with the laws governing BMAP initiatives by 2040, of which, the state is “responsible” for \$6.1 billion
- These amounts DO NOT include the costs associated with “Alternative Restoration Plans.”



Stormwater Management

- Sec. 403.9302, FS requires each county, municipality and special district to create a 20 year needs analysis and submit these to EDR
- 832 such analysis were filed in 2022. (50 county, 256 cities and 526 independent special districts)
- Based on these submittals, EDR estimates a statewide need of \$27.4 billion, \$19.5 billion (71.2%) of which, do not have an identified funding source.



Wastewater Management

- Sec. 403.9301, FS requires each county, municipality and special district to create a 20 year needs analysis and submit these to EDR
- 276 such analysis were filed in 2022. (36 county, 200 cities and 40 independent special districts)
- Based on these submittals, EDR estimates a statewide need of \$63.3 billion, \$29.9 billion (47%) of which, do not have an identified funding source.

FUNDING NEEDS SUMMARY

Water Supply

- \$24.1 Billion for aging water infrastructure replacement (EPA, 2016)
- \$2.9 Billion to meet future water demands through 2040 (14% increase in demand)
- \$884.8 million to meet currently established minimum flows and levels (MFLs).

Water Quality

- \$63.3 Billion for aging wastewater and stormwater infrastructure 20yr capital-needs estimate. (5 yr)
- \$318.7 million for development of TMDL's. (10 yr)
- \$11.6 Billion for the implementation of BMP's.
- \$27.4 Billion in Stormwater Needs (5 yr)

2023 EDR Numbers

- \$10.115 B for the State of Florida's share of the implementation of the Comprehensive Everglades Restoration Plan (CERP), the RESTORE Act, Restoration Strategies and the EAA Reservoir.

Summary

Not including adaptation for Sea Level Rise, Florida will need \$137.23 Billion over the next 20 years to address its water resource protection and infrastructure needs.



FY 2022-2023 WMD Cooperative Funding

	<u>Total Budget</u>	<u>%CF</u>
NWFWMD	\$136.2 mil	49.1
SRWMD	\$ 64.4 mil	37.8
SJRWMD	\$257.9 mil	14.9
SWFWMD	\$212.9 mil	43.1
SFWMD	\$1,221.6 mil	3.9

Discussion