

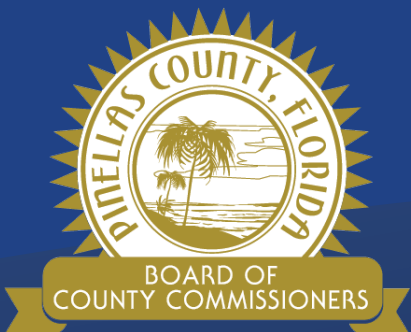
# Pinellas County Resiliency Program Status Update



**Office of Resilience & Asset Management**

**Robert Mills, Director**

**July 31, 2025**



**Our Vision: To Be the Standard for Public Service in America**



# Resilient Pinellas Plan Update

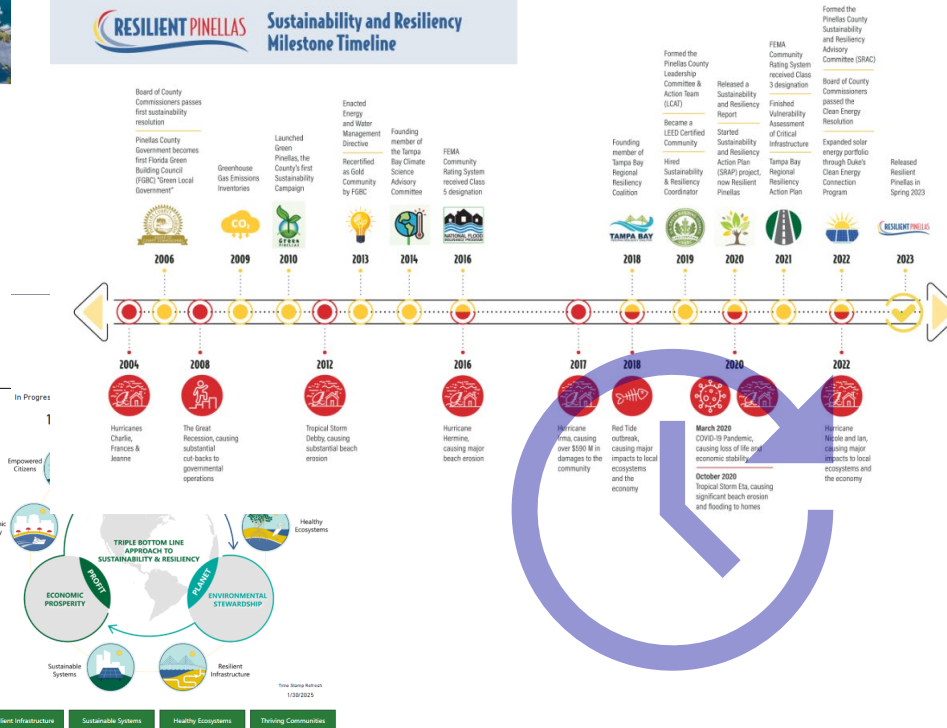


## RESILIENT PINELLAS Action Plan

2023

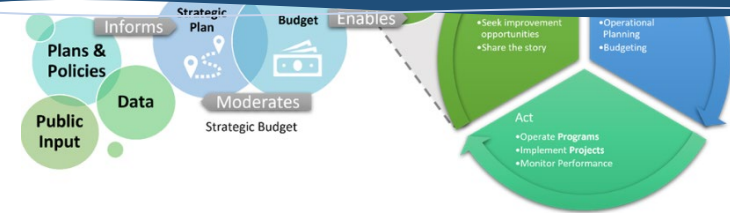


## RESILIENT PINELLAS Sustainability and Resiliency Milestone Timeline



Plan to reflect changes to  
**New Strategic Plan and  
recent adopted Resolution  
No 25-34**

Continue to use ROI as  
foundation for Resilient  
Efforts.



# Environmental Lands Purchase

### Land Acquisition History

Penny 1 (1990-1999)

Acres Acquired: 1,100

Expenditures: \$1.1M

Notable Parcels:

- Eagle Lake
- Florida Botanical Garden
- Brooker Creek

### Land Acquisition History

Penny 2 (2000-2009)

Acres Acquired: 1,100

Expenditures: \$1.1M

Notable Parcels:

- Wall Springs
- Mariner's Cove
- Taylor Hill

### Land Acquisition History

Penny 3 (2010-2019)

Acres Acquired: 1,100

Expenditures: \$1.1M

Notable Parcels:

- Eldridge
- Weaver

### Environmental and Park Lands Acquisition

Penny 4 Opportunities

- \$15 Million Bucket





### Preserving the Gladys Douglas Property

**Partnership for Preservation**

1900 Virginia Avenue, Dunedin, FL

44.01 acres

+15 acres of rare Sand Pine and Rosemary Bald communities

**City Purchase**

Approval: Feb. 2021

**Expected Closing**

Within 60 days approval

**Project Funding Breakdown**

Entity	Amount
City of Dunedin	\$2.0 M
Pinellas County	\$3.5 M
<b>Total</b>	<b>\$5.5 M</b>

Community Donations: \$4.5 M (P&B grant)

**Strategic Plan Alignment**

Environmental stewards hill

3.2 Preserve & manage environmental lands, beaches, parks and historical assets

3.3 Protect and improve natural resources

**Shared Responsibility**

City of Dunedin Property Owner

Pinellas County Property owner and management

City of Dunedin Lead Manager

Pinellas County share \$800K after Grant Funding

## Environmental and Park Lands Acquisition

### Proposed Acquisition Process

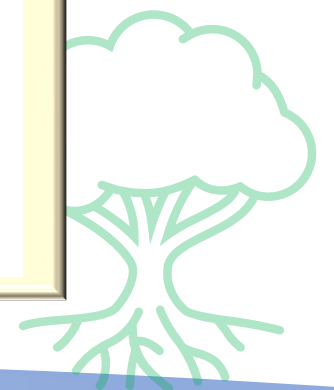


News April 10, 2025

### County completes purchase of West Klosterman Preserve



Joint effort protects a 14-acre environmental sanctuary



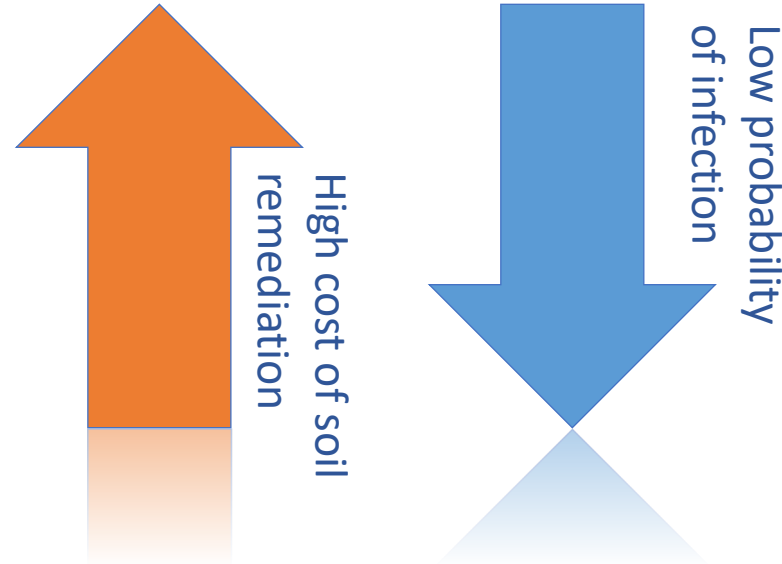
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# Environmental Land Purchase Hold

## When Purchasing Property Increases Community Resilience

### Property A\*

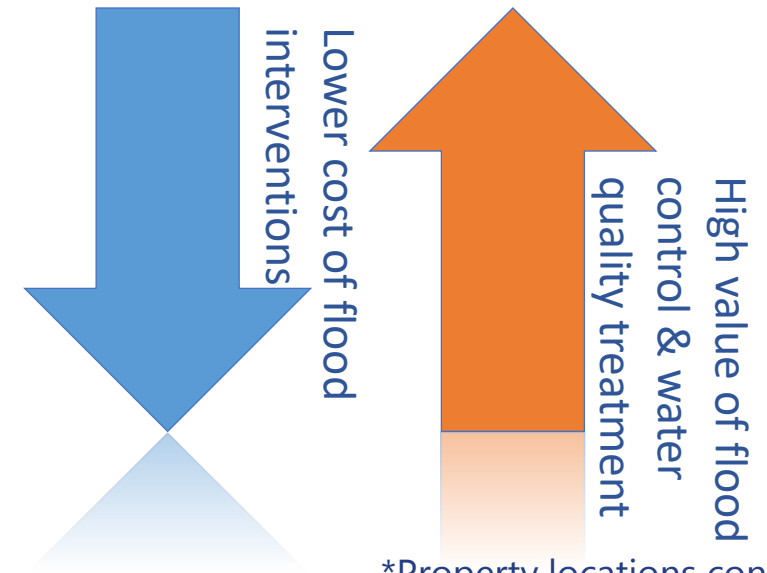
- Environmental concerns
- Potential for future acquisition



### Property B\*



- Regular flood concerns
- Low cost interventions



\*Property locations confidential



# Infrastructure Resilience

## TRAFFIC SIGNAL IMPROVEMENT PROJECT

This project consists of removing existing span wire signalization and installation of steel mast arms, new traffic controller cabinet equipment, detection equipment, and improvements to meet current ADA guidelines at five locations:

- 📍 Lake St. George Drive at Tampa Road
- 📍 West Lake Road at Tampa Road
- 📍 113th Street at 54th Avenue North
- 📍 Park Boulevard at Ridge Road
- 📍 Park Boulevard at Seminole Boulevard



Two bids were received with a recommendation of award to the lowest responsible and responsive bidder, **American Lighting and Signalization, LLC**, in the amount of \$7,932,176.00.

All work is to be completed within 365 consecutive calendar days



This contract is the third of four groups of mast arm projects funded in part by Hazard Mitigation Grant Program funding through the Federal Emergency Management Administration.



FEMA

Funding is budgeted under the Countywide Traffic Signalization Improvements Project.004183A included in the Capital improvement Plan, funded by the Local Infrastructure Sales Surtax (Penny for Pinellas) and federal grant funding



## ULMERTON FIBER PILOT PROJECT



This project is a shared partnership between BTS and PW Traffic Management to install a dedicated fiber backbone along the Ulmerton Road corridor to provide County-owned fiber connectivity to County facilities in lieu of Internet Service Providers like Spectrum, Lumen, etc. The Traffic Management department received ARPA funds for this effort.

### PROPOSED COUNTY LOCATIONS

- |                            |                              |
|----------------------------|------------------------------|
| 🚗 Fleet Management         | 💰 Supervisor of Elections    |
| 💰 Mid-County Tax Collector | ⌚ EpiCenter/JWB              |
| 🏢 GMD South                | ★ Emergency Medical Services |
| 🚚 EpiCenter/JWB            | 🚰 McKay Creek Pump Station   |

**\$ OVER \$5K PER MONTH**  
estimated monthly cost savings to remove the secondary ISP connection at each location

A new 144 count fiber has been installed between our Criminal Justice Center (CJC) and the Public Safety Campus (PSC)

➔ **PLAN TO EXTEND WEST ALONG ULMERTON TO HAMLIN BLVD**



# Back-flow Valve Resilience

- **Address Blue-Sky Floods**
  - Impacts roadway safety and vehicles
  - shorten the life of the roadway underdrains and road surface
  - reduces performance of connected public and private stormwater treatment facilities
- **Prevent or reduce flooding during high tide events**
- **Will track reduction in maintenance through CityWorks**

**Currently Monitoring  
Project to establish ROI**



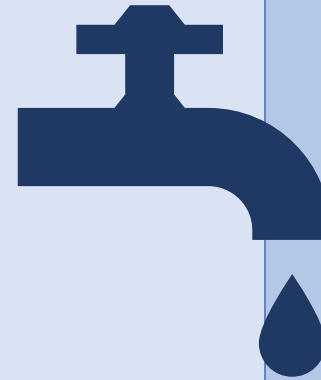
# Water Conservation Resilience

## Education Efforts

Installing low to moderate cost water efficient taps, showers and toilets can **reduce water use by 30 liters per person per day**<sup>1</sup>



About **\$13.14** per person per year in **utility** savings



## AMI Smart Meter

87K installed

March 1 to current

**80 residents contacted**



Efficiency found with new meters.

# Energy Conservation Resilience

## LED Street Unmetered Light Replacement

- No Cost to County for Replacement
- Energy Savings Returned to Residents as Non-ad Valorem Assessment

2586



Streetlights  
Replaced to  
Date

\$51,228



Avg Annual  
Savings

\$112,000



Projected Annual  
Savings at Project  
Completion



6,365  
Installed



\$14,000  
Saved Annually  
\$68,000 After Yr6



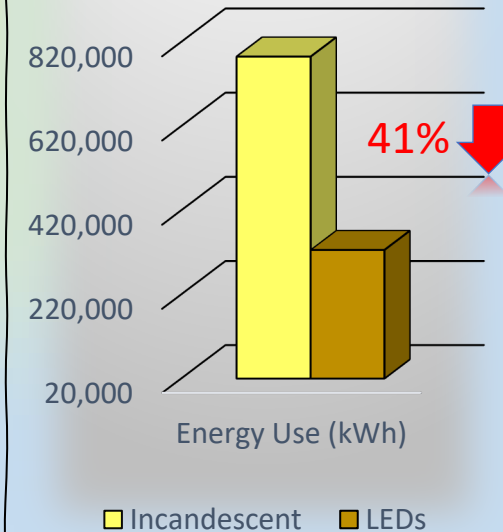
## No Upfront Costs to County

- All costs paid through energy savings
- YR 1-5 County retains 20% of energy savings. Remaining 80% pay for costs of LED conversion.
- YR 6+ County retains 100% of Energy Savings.

## Detention Center LED Conversion Project

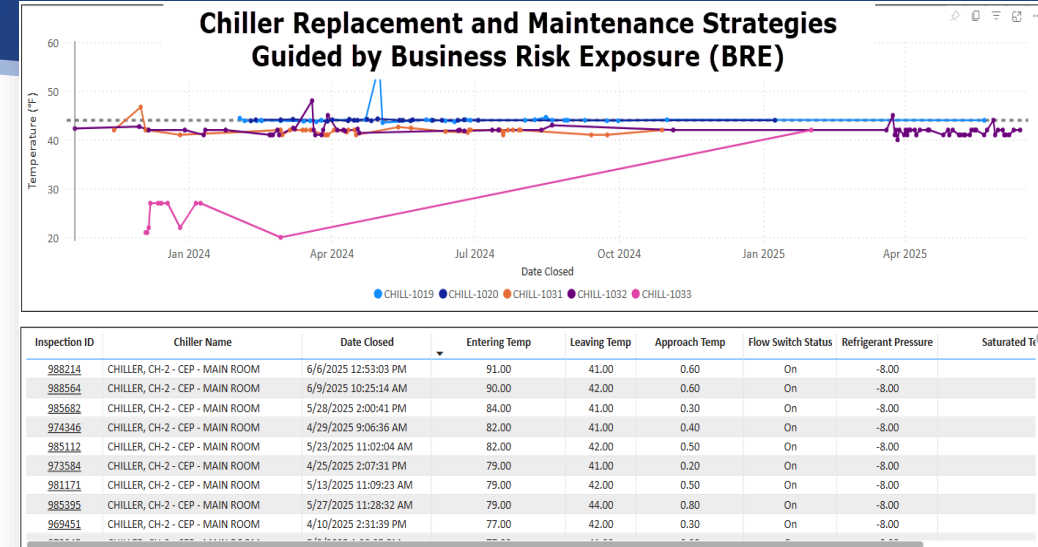
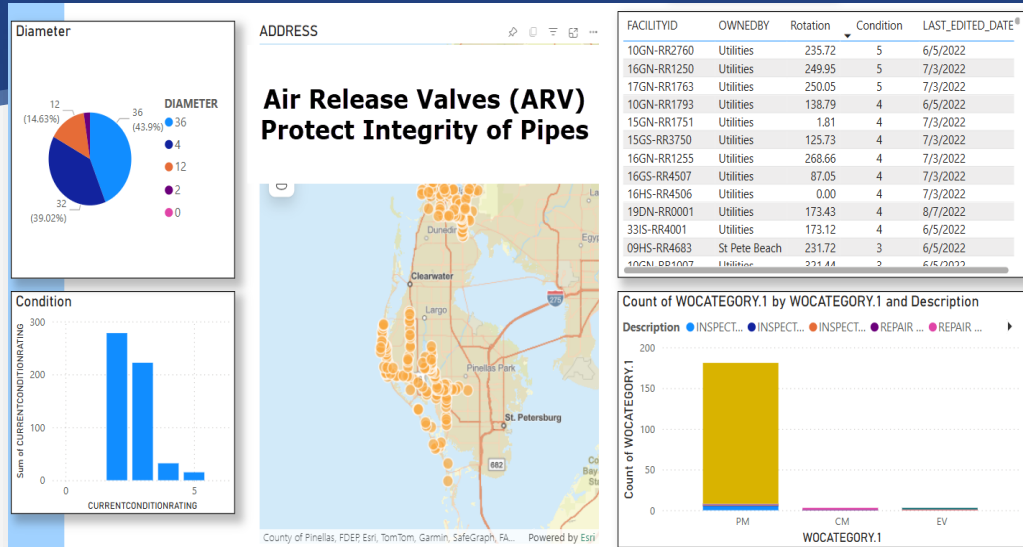
14400 49<sup>th</sup> St N, Clearwater

Avg Annual Energy Use Before  
& After LED Conversion





# Pinellas Asset Management Program



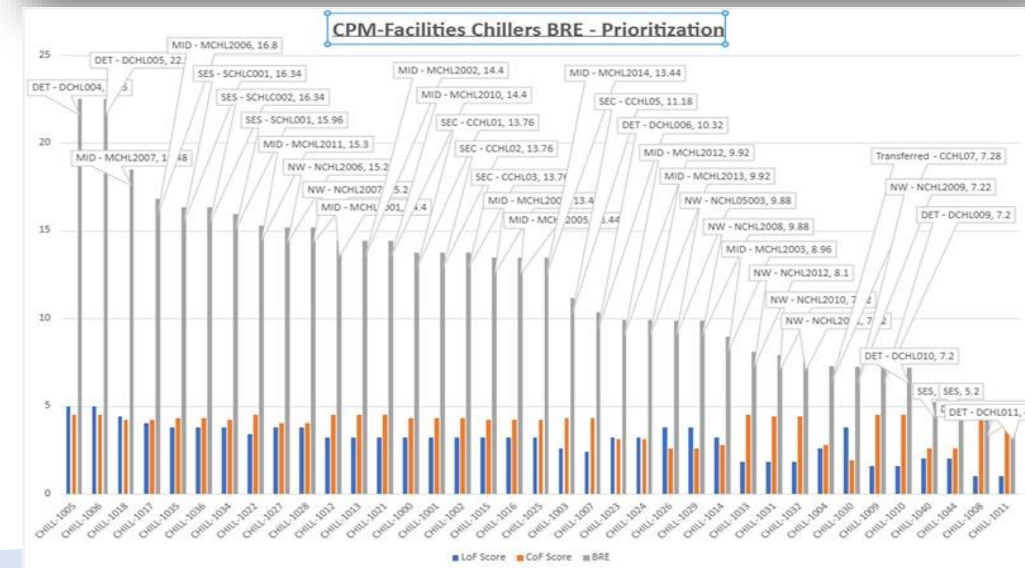
**Simple Asset Cost Inflation Model**  
Remaining Life / Current Cost

$FV = PV(1+i)^n$   
 $i = 2.5\%$

Asset ID	Asset Name	Remaining Useful Life	Replacement Cost	Replacement Cost Date	End Life Year	Replace Cost
19KN-SA5003		5	\$12,000	11/2/2023	2030	\$13,577
19LN-SA5001		5	\$12,000	11/2/2023	2030	\$13,577
15FN-SA5003		16	\$12,000	11/2/2023	2041	\$17,814
15GN-SA5001		16	\$12,000	11/2/2023	2041	\$17,814
15GN-SA5002		16	\$12,000	11/2/2023	2041	\$17,814
35FS-SA5001		20	\$12,000	11/2/2023	2045	\$19,663
35GS-SA5001		16	\$12,000	11/2/2023	2041	\$17,814
15IS-SA5002		8	\$12,000	11/2/2023	2033	\$14,621
15IS-SA5003		8	\$12,000	11/2/2023	2033	\$14,621
15IN-SA5001		8	\$12,000	11/2/2023	2033	\$14,621
02IS-SA5001		5	\$12,000	11/2/2023	2030	\$13,577
02JS-SA5001		0	\$12,000	11/2/2023		\$12,000
02JN-SA5001		5	\$12,000	45232	2030	\$13,577
35FS-SA4502		5	\$20,000	45232	2030	\$22,628
21DS-SA5001		2	\$12,000	45232	2027	\$12,608

**AIR RELEASE VALVES (replacement schedule)**

**ARVs Protect Integrity of Sewer Main (Model under evaluation)**



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# Thank You



**Robert Mills, Director  
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