



Lagoon Straight Talk

Building Foundations and Expanding Capacity

March 24, 2021

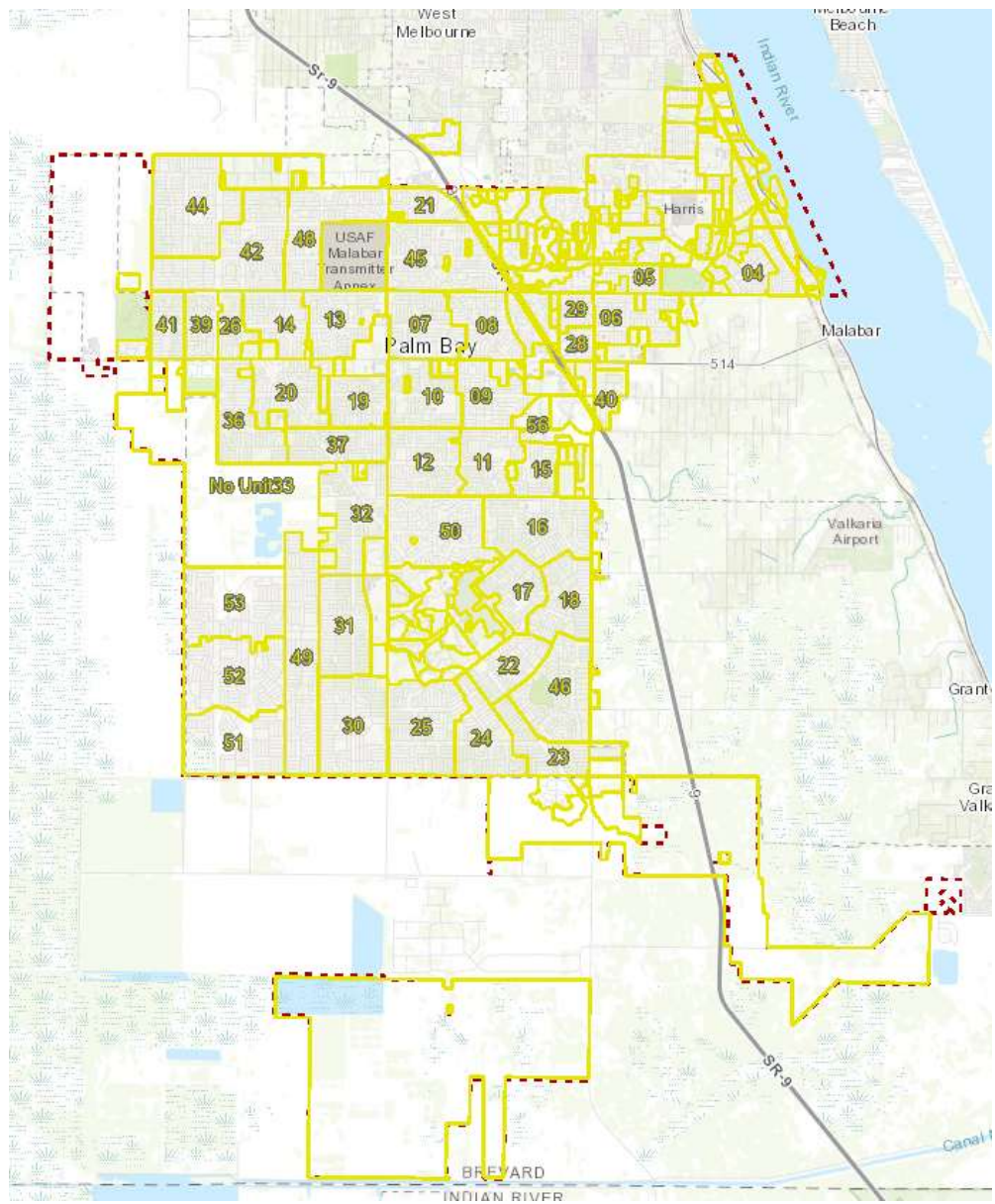
Presented By

Suzanne Sherman, City Manager

Introduction to Palm Bay

- Incorporated in 1960
- Population 120,000+
- 88 square miles
- 40% built out
- Largely a General Development Corporation (GDC) community
- Initial infrastructure foundations
- East – Turkey Creek/Sanctuary and Indian River Lagoon
- West – Three Forks Conservation Area /St. Johns River





City of Palm Bay 'The Compound'

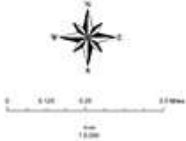
Port Malabar Units
51, 52, and 53

Total Acres:
2,784

City Owned Acres:
235



- City Limits
- Compound
- City Owned Parcels
- Proposed Parkway



So...where do we go from here?

Building Foundations

- Amazing potential and incredible opportunity
- Leadership team and City Council
- Expanding the team
 - Dedicated grants position
 - Upcoming position focused on sustainability/resilience
- Full review and update of City Comprehensive Plan underway
 - How we grow
 - Ordinance changes follow
- Turkey Creek Feasibility Study
 - Building block for future investment

MTWCD
C-1



Indian
River
Lagoon



Turkey
Creek

Building Foundations

- Approximately 49,000 homes
- Potable water
 - 34,000 connected; balance of 15,000 on wells – 2,300 have availability
 - Cost: \$4,400 to connect to city water + \$1,000 - \$3,000 to abandon well, connect to city lines
 - New developments must extend lines; infill lots only connect if available
 - Two plants – North Regional (Port Malabar/Clearmont) and South Regional (Bayside Lakes)
 - Need to expand capacity and availability

Building Foundations

- Approximately 49,000 homes
- Wastewater
 - 21,000 connected; balance of 28,000 on septic – 1,400 have availability
 - Cost: \$5,700 to connect to city sewer + \$2,000 - \$6,000 to abandon septic, connect to city system
 - New developments must extend lines; infill lots only connect if available, but not yet mandatory
 - One plant – North Regional (Port Malabar/Clearmont)
 - Need to expand capacity and availability
- Reclaimed Water
 - SOIRL Project

Building Foundations

- Sustainability Board and Florida Institute of Technology Internship
- Sustainability Action Plan
 - Draft Elements:
 - Natural Environment (Land and Water Systems)
 - Energy and Buildings (Built Environment)
 - Transportation and Mobility
 - Innovative Waste Management
 - Education and Public Engagement

Building Foundations

- Honeywell Energy Audit/Performance Contract
- FPL Solar Together Program
- LED Street Light Conversion
- East Central Florida Regional Resilience Collaborative (R2C)
 - Participation and partnership
 - Greenhouse Gas Inventory baseline under review; Stetson University partnership
- Derelict Vessel Removal
- So much more to come...

Expanding Capacity

➤ Infrastructure Investments

➤ Water:

- Expanding South Regional reverse osmosis plant capacity
- Restoring reverse osmosis treatment capacity at North Regional plant

➤ Wastewater

- Multi-year overhaul of North Regional Plant
- Building a new South Regional Plant – will increase capacity and divert 300,000 – 500,000 gallons away from Turkey Creek area

➤ Expansion of availability follows and making connection affordable

Expanding Capacity

- Stormwater system
 - 2010 dedicated revenue
 - Nutrient removing baffle boxes requested in state appropriations
 - Considering aeration of stormwater ponds
 - Developing priority focus
- Promoting grants focus – SJRWMD, FDEP, FIND, SOIRL, etc.
- Preserving green space
 - 30+ parks/recreation areas
 - Comprehensive Plan and future development



Thank you!

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