Overview of Presentation

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Why Infrastructure Matters

“We don’t realize the importance of a Community’s Infrastructure until it’s gone.” --Jennifer Hettinger
Why PRW Infrastructure Matters

Parks infrastructure promotes and encourages:

• Opportunities for physical activity
• Economic development
• A healthy living environment
• Preservation of critical wildlife habitat
• Social interactions, community cohesion and pride

Public Parks preserve public lands for the benefit and use of us all.
Why PRW Infrastructure Matters

Infrastructure also allows for the delivery of programs:

- Structured and fun activities that promote cognitive development, socialization and self-confidence
- Valuable life lessons
- Safe place for at-risk youth
- Healthy role models and activities
- Opportunities for those with disabilities for physical activity and social engagement
- Community spaces for skills-building & tutoring
Why PRW Infrastructure Matters
Infrastructure Inventory

- 52 Parks
- 3 Community centers
- 2 Clubhouses
- 8 Baseball/softball fields
- 2 Synthetic turf soccer fields
- 11 Soccer practice fields
- 25 Basketball courts
- 24 Tennis courts
- 6 Volleyball Courts
- 2 Swim centers
- 28 Tot play areas
- 1,000+ Berths in Marina
- 35 School-age play areas
- Shorebird Nature Center & Classroom
- 20 Restrooms
- Amphitheater
- Adventure Playground
- 3 Resident camps
- 45,000 City trees
- 124 Medians & triangles
- 263 Irrigation systems
Current Infrastructure Needs
Parks and Play Areas: Infrastructure Needs

- Play structures are old and deteriorating
- Many parks and facilities need improved access for people with disabilities
- Irrigation systems are old, continually need repair & use water inefficiently
- Drainage and flooding: ball fields and dog park
- Ball courts surfaces are cracked and uneven
- Park lighting, where it exists, is inefficient and ineffective
- Walkways are damaged deteriorating
Parks and Play Areas

Virginia-McGee Play Structure Footing
Parks and Play Areas

San Pablo Park Basketball Court
Parks and Play Areas

Remillard Park Stairs
Parks and Play Areas

Ohlone Dog Park Drainage Problems
Parks and Play Areas: Hillsides

Terrace View Park Basketball Courts
Parks and Play Areas: Historic

Berkeley Rose Garden Walkway

Berkeley Rose Garden Trellis
Parks and Play Areas: Historic

John Hinkel Park Clubhouse Deck

John Hinkel Clubhouse Roof
Recreation & Community Centers: Infrastructure Needs

- Rotting wood siding
- Deteriorating roofs
- Plumbing systems are old and require constant repair
- Electrical systems are old and require constant repair
- Heating systems are old and require constant repair
- Rotting window frames and door frames
Recreation & Community Centers

James Kenney Recreation Center Siding

James Kenney Recreation Center Window Framing
Recreation & Community Centers

Young Adult Programs (YAP) Gymnasium Doors
Recreation & Community Centers

San Pablo Park Restroom Eaves

Young Adult Project (YAP)
Window Eaves
Pools: Infrastructure Needs

King Pool

- Replacement of existing piping and concrete decking
- Locker room improvements and disability access upgrades
- Replacement of existing heater

West Campus

- Replacement of existing piping and concrete decking
- Locker room improvements and disability access upgrades

• Pools only, without locker rooms, approximately $250,000 per site
• With locker rooms, approximately $650,000 per site
Pools: 2010 Bond Measure

- $560,000 on pools planning process
- Mello-Roos June 2010
- Capital costs $22.5 million
  - Construct 4 pools
- Operating costs $980,000
  - Special tax
- Bond measure failed to garner sufficient votes
Pools: How Does the City Estimate Project Costs?

- **Professional estimator**
  - Develops construction and non-construction cost estimates based on current conditions

- **Public Works Engineering**
  - Evaluates estimates and refines non-construction costs to reflect all costs to the City
Pools: Non-Construction Soft Costs

- Design consultants
- Surveys
- Geotechnical reports
- CEQA consultant and report
- Utility costs
- Hazmat testing
- Hazmat abatement
- Design management
- Construction management
- Permits
- Building permits
- Special testing
- Inspection
- Project contingency for unknown conditions
Pools: Infrastructure Needs

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Residential Camps

- Berkeley Tuolumne Camp
- Cazadero Camp
- Echo Lake Camp
Tuolumne Camp: Infrastructure Needs

- Cabin replacement
- ADA pathway improvements
- New accessible pedestrian bridge
- Permanent water treatment plan
- New pump house & leach fields
- Parking lot repairs & ADA upgrades
- Permanent hand washing stations
- Master plan implementation
Camps: Infrastructure Needs

Fallen Tree

Tuolumne Camp Cabin
Cazadero Camp: Infrastructure Needs

• ADA pathway improvements throughout camp
• ADA accessibility to existing structures
• Forest management
Echo Lake Camp: Infrastructure Needs

- Dining Hall ceiling structural support
- Dining Hall siding
- Lodge deck replacement
- Stove replacement
- Re-plaster, re-tile & re-pipe pool
- Cabin replacement
- ADA Improvements
Camps: Infrastructure Needs

Echo Lake Dining Hall
Echo Lake Camps: Snow Damage 2011

Snowfall on Echo Lake Dining Hall Roof

THE ROOF IS 8 FT BELOW THIS POINT. I TUNNELED 15 FT DOWN TO ACCESS REAR DOOR.
Camps: Infrastructure Needs

ROOF LOAD CRUSHING NEW 4X6 DF BLOCK ONTO 5”x5” BEARING PLATE. NOTE DEFLECTION.
Waterfront: Infrastructure Needs

- Replace 4 docks
- Replace floats
- Relocate dry storage
- Parking lot improvements (5)
- Repair walkways, including accessibility
- Spinnaker Circle improvements
- Renovate 6 restrooms, including accessibility (6)
Waterfront: Infrastructure Needs

Marina Office Deck Repair

Washboard Effect on University Ave

Deteriorating Dock
Waterfront: Infrastructure Needs

Marina Restroom
Waterfront: Infrastructure Needs

One of the Many Ground Squirrels Inhabiting the Marina
Waterfront: Infrastructure Needs

Ground Squirrel Holes
# Capital Costs: Summary

1) Parks and Recreation: 28 million
2) Community Centers: 14 million
3) Marina: 27 million
4) Camps: 9 million
5) Pools only (existing): 0.5 million

Subtotal: $78 million

2010 Pools Bond Proposal

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<th>Item</th>
<th>Amount</th>
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<tr>
<td>Total</td>
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PRW: Annual Funding

Annual Funding for Infrastructure

- $250,000  Parks Tax
- $150,000  General Fund (for treated wood removal)
- $250,000  General Fund (for disability access)
- $100,000  Camps Fund
- $200,000  Marina Fund

$950,000  Total Funding
PRW: Current Resources

Current Grants

- East Touchdown Plaza $0.800 million
- Bay Trail Extension—Ph 1 $2.283 million
- South Sailing Basin $0.160 million
- Measure WW $4.876 million
- Total $8.119 million

Potential Grants

- Continue to apply for other grants, as they become available
Infrastructure Needs: Moving Forward

1. Identify priorities
2. Explore additional funding sources
3. Plan for lifecycle replacement costs
4. Fix what we have first before adding or expanding inventory
Infrastructure Needs: Conclusion