#### Park District Supports:

### **PREVENTATIVE MAINTENANCE**

Reducing Risk Factors with **Pro-Active Facilities Management** 



healthy people healthy environment strong communities













#### **Definition**

Preventative maintenance is about keeping materials and components maintained at optimal level of performance to maximize the <u>use</u> and <u>life</u> of all facilities.

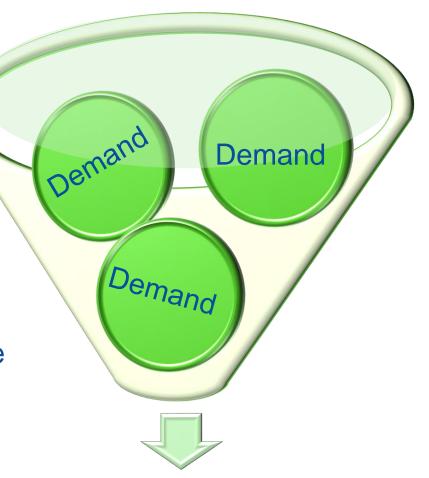
### **Benefits**

- ✓ Insures best practices to protect health and safety of public
- Extends life of facilities
- ✓ Decreases interruptions to operating hours/programming
- ✓ Decreases emergency and breakdown work orders
- ✓ Insures continuous compliance w/ current codes and standards
- ✓ Achieves reductions in energy consumption

How do we get there?

### **Break the Bottleneck**

- ✓ Practice preventative maintenance
- Defer demand WOs to scheduled maintenance window
- ✓ Pre-empt demand WOs w/ eyes in the field ->facility operators
- ✓ Custodial care to extend life of surfaces



### **Preventative Maintenance Pillars**

### INCREASE PRODUCTIVITY THROUGH WORKFORCE EMPOWERMENT

PLANNED MAINTENANCE

(CONTINUAL IMROVEMENT)

OPERATOR MAINTENANCE (AUTONOMOUS MAINTENANCE) STREAMLINED WORK ORDER SYSTEM

SAFE AND HEALTHY WORKING ENVIRONMENT

APPRENTICES
TRAINING AND EDUCATION

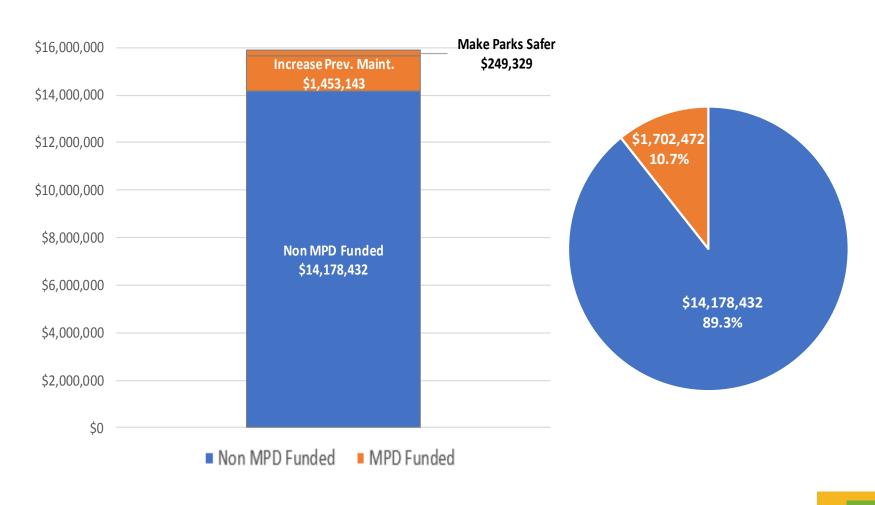
THREE GOALS:

MINIMAL UNPLANNED FAILURES

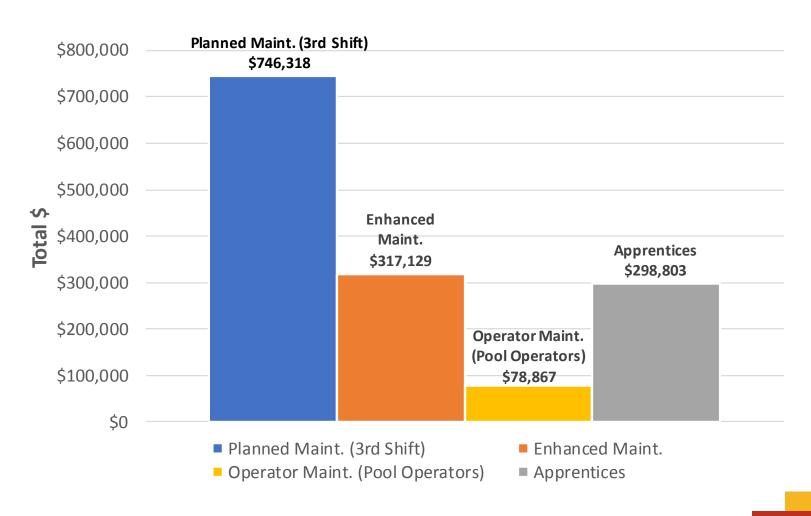
ENHANCED FACILITY OPERATIONS

NO ACCIDENTS

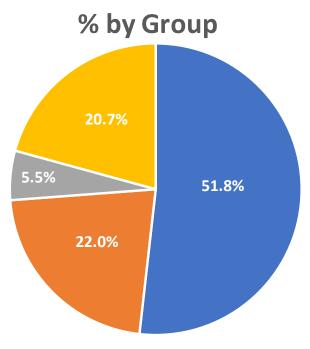
### 2017 Facilities Division Budget \$15.9M Breakout



### Preventative Maintenance \$1.4M Breakout

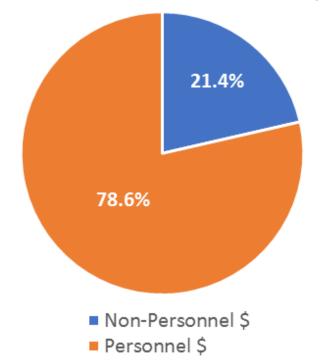


### Preventative Maintenance \$1.4M Breakout

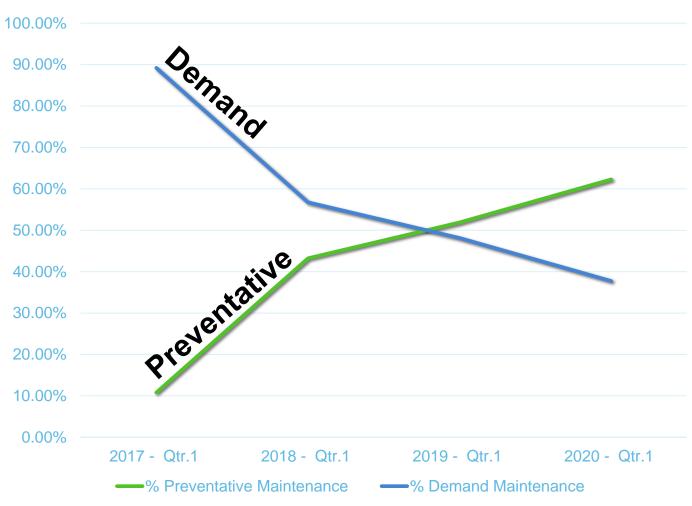


- Planned Maint. (3rd Shift)
- Enhanced Maint.
- Operator Maint. (Pool Operators)
- Apprentices

#### Non-Personnel vs Personnel \$



#### **Demand vs. Preventative Maintenance**



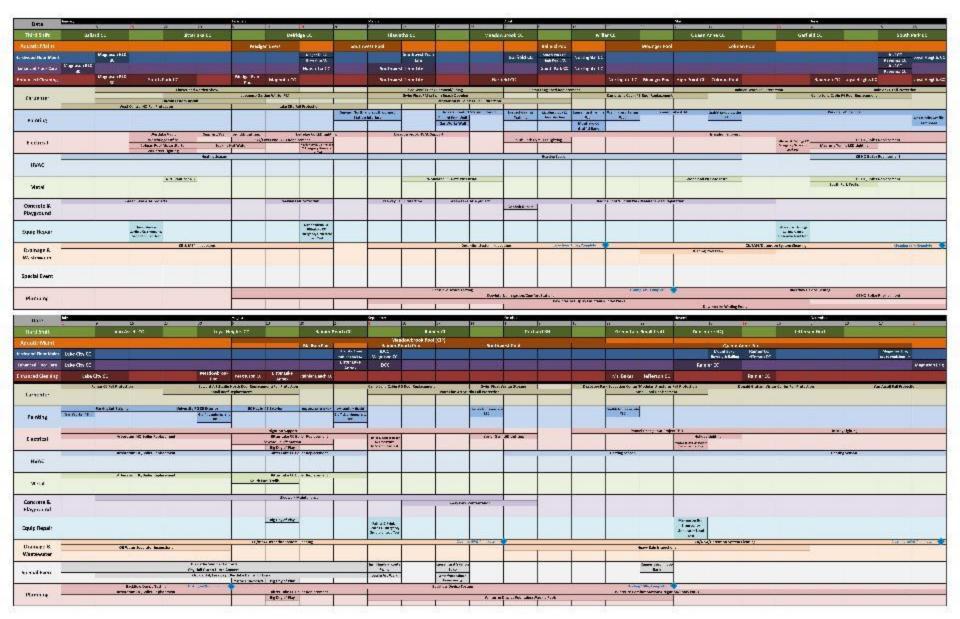
## PLANNED MAINTENANCE (Pillar I)

### Planned Maintenance "3rd Shift!"

The "3rd shift", otherwise known as the "night shift"

- ţ failures by replacing worn parts
- "Freshen up" facilities w/ new paint, glazing, and trim work
- ✓ Completion of 18 facility enhancement projects per year, 45 projects total, since its inception in 2015
- ✓ Efficiency in taking full reign of the facility in the absence of the public and staff in the middle of the night
- ✓Team = 9 = carpenter(1), electrician(1), plumber(1), painters(3), laborers(2), and a crew chief (1)
- ✓ Response to emergencies through-out the city via PDO
- ✓ Recipient of Seattle Mgt. Award Hidden Gem/Unsung Hero







31d Shifti.



















### 3rd Shiffli









### 3<sup>rd</sup> Shift – Challenges/Lessons





Limited to work in well-lit areas



Need supplies on hand



### 







Lake City CC





(T.E.A.M.) Together Everyone Accomplishes More...

### 

**Special Operations** 







(T.E.A.M.) Together Everyone Accomplishes More...

### 



Pressure Washed Shower Room, Locker Room, Bathroom Walls and Floor, & Outside Stairs.





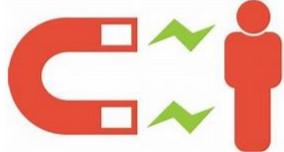


(T.E.A.M.) Together Everyone Accomplishes More...

### Enhanced Maintenance – Challenges/Lessons



Need to find two consecutive time slots for floors (weekends would be ideal)



Hard to retain pro-active staff



Does not replace frequent custodial care



### **Operator Maintenance (Aquatics)**

- ✓ Preventative maintenance -> facility management
  - ✓ All Operators are Certified by National Swimming Pool Assoc.
  - ✓ Sanitize facility
  - ✓ Maintain water quality
  - ✓ Provide proper disinfection as well as water balance
  - ✓ Update signage
  - ✓ Ensure safety equipment is in place, functional, and visible
  - ✓ Identify and evaluate risks and communicate and strategize to reduce risk
- Eyes on the ground
  - ✓ Understanding of mechanical operation allows for minor repairs
  - Call in work orders before they are a hazard before they are noticed by the public
  - Cleaning preempts all other work

# Operator Maintenance









### Operator Maintenance (Aquatics) – Challenges/Lessons



Schedule work around programming



Maintain 24/7 on-call service



Maintaining aging infrastructure



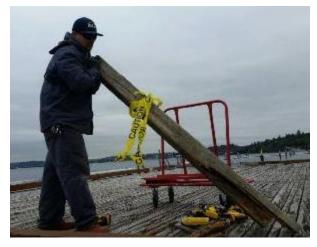
### **Apprentices**

- Encourage growth of trade professions
- Mentorship and on-the-job training
- ✓ Transfer skills from one generation to the next
- ✓ Succession planning
- ✓ Facilities Division Apprentices
  - ✓ Carpentry Shop
  - ✓ Electric Shop
  - ✓ Plumbing Shop

### Apprentices









### **Apprentices**– Challenges/Lessons



Need for greater gender diversity



Additional funded apprentice positions

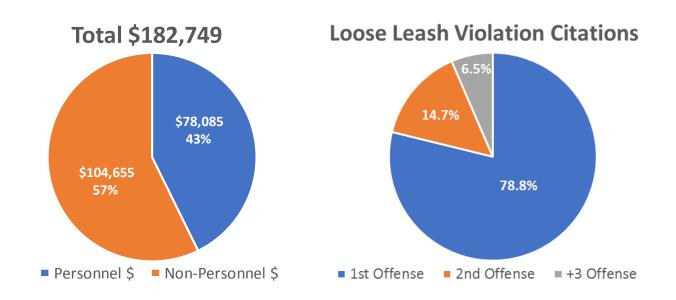


Repetition for learning specific skillset



### **Make Parks Safer**

- Educate community on leash and scoop laws
- ✓ Respond to complaints across parks (ballfields, play areas)
- ✓ Enforce park code policies
  - √ ~700 Citations issued for Loose Leash Violations.



### Make Parks Safer– Challenges/Lessons



Additional enforcement for 3 main geographical divisions of city



Additional off-leash areas w/ water access Currently only one off-leash area w/ water



Expand initiative beyond control and citations – Need for better off-leash areas



### **Preventative Maintenance**

Increased productivity through workforce empowerment

### Challenges create opportunities

#### Need 7 day a week Coverage



Additional 3<sup>rd</sup> Shift crew for enhanced maintenance

Additional weekend shift for enhanced custodial maintenance



Additional apprentice pockets to create more consistent and regular onboarding of skilled trades people



Apply success of "enhancement crew" to a "play area crew". Increase safety of play areas and decrease claims

### Thank You!

