

## Temporary Pumps

Presented by: Roy Coley

# Commission Workshop on Resilience 

 January 27, 2020OBJECTIVES PROTECT AND ENHANCE OUR ENVIRONMENT AND INVEST IN INFRASTRUCTURE PROJECTS AND ASSETS THAT BUILD RESILIENCE BENEFITS LIKE REDUCING FLOOD RISK AND INCREASING SUSTAINABILITY.


The City has a robust Stormwater Plan to address "sunny day" flooding...


Indian Creek and 32nd Street

## While the plan is implemented...

- During emergency conditions the City deploys temporary pumps and personnel with vacuum trucks to mitigate flooding


Indian Creek and 34 $4^{\text {th }}$ Street



## Legend

a Existing Pump Stations

- Temporary Pump Stations


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## Temporary Pumps Deployment - 2020

Cost of Temporary Deployment 2017-2020

|  | Duration | No. of Pumps | Equipment | Fuel | Personnel | Total |
| :--- | :--- | :---: | :--- | :--- | :--- | :--- |
| FY 16/17 | 5 -months | 13 to 28 | $\$ 152,742.38$ | $\$ 139,574.40$ | $\$ 100,800.00$ | $\mathbf{\$ 3 9 3 , 1 1 6 . 7 8}$ |
| FY 17/18 | 11 -months | 27 | $\$ 325,410.73$ | $\$ 307,063.68$ | $\$ 221,760.00$ | $\mathbf{\$ 8 5 4 , 2 3 4 . 4 1}$ |
| FY 18/19 | 4 -months | 10 to 14 | $\$ 65,026.57$ | $\$ 51,842.96$ | $\$ 53,760.00$ | $\mathbf{\$ 1 7 0 , 6 2 9 . 5 3}$ |
| FY 19/20 | 3-months | 14 | $\$ 147,701.10$ | $\$ 38,882.22$ | $\$ 40,320.00$ | $\mathbf{\$ 2 2 6 , 9 0 3 . 3 2}$ |

Estimated Cost of 2020 Deployment:

14-Pump deployment for 6 months:

Deployment Duration: 6-months
No. of Pumps: 14
Equipment Cost: $\mathbf{\$ 2 9 5 , 4 2 0 . 2 0}$
Fuel Cost: \$77,764.44
Personnel: \$80,640.00
Total estimated cost for 6 months: $\mathbf{\$ 4 5 3 , 8 2 4 . 6 4}$

## 28-Pump deployment for 6 months:

Deployment Duration: 6-months
No. of Pumps: $\mathbf{2 8}$
Equipment Cost: $\mathbf{\$ 6 0 1 , 6 7 0 . 4 0}$
Fuel Cost: $\mathbf{\$ 1 6 7 , 4 8 6 . 2 8}$
Personnel: \$ 120,960.00
Total estimated cost for 6 months: $\$ \mathbf{8 9 0} 119.68$



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2.

Resolution No. 2019-30682

## Q and A


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Indian Creek and $27^{\text {th }}$ Street

