



Council Presentation May 16, 2017



Background

- Project E16246 - Intermediate Sludge Removal Phase 1
- Awarded to American Process Group, Inc. (APG) of Tacoma, Washington on December 20, 2016; NTP on 3/3/2017
- Base Year 1 bid in the amount \$3,750,000 for the Base Year with an additional \$3,750,000 Option Year
- Total not to exceed amount of \$7,500,000
- Phase 1 will remove 18,050 Dry Tons (DT) of residuals



Project Actual Timeline and Progress

March				April				May				June				July				August	
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2
Cattails removal				Milestone 1 3,000 DT				Milestone 2 6,000 DT				Milestone 3 10,000 DT				Final Milestone 18,050 DT					
Base Year / Phase 1																					





Progress To-Date and Demobilization Costs

- First load left ONSWTP on April 10
 - Milestone 1: 2 months ahead of City-required schedule
 - Milestone 2: 6 months ahead of City-required schedule
 - Phase 1 complete: mid-August
 - Cost to de-mobilize and re-mobilize:
\$393,735
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Lagoon 5

Capacity: **52,297 CY**

Accumulation: **90%**

Lagoon 7

Capacity: **500,000 CY**

Accumulation: **90%**

Lagoon 6

Capacity: **49,413 CY**

Accumulation: **83%**

Presed Basin

Capacity: **722,173 CY**

Accumulation: **38%**

**Dewatering and
Removal Operation**



Beneficial Use and Other Applications

- Beneficial Use At Landfill
 - Solid Waste team is working with TCEQ on permit to use ONS residuals to create Alternate Daily Cover
 - Use Alternate Cover instead of native soil which is a precious commodity in solid waste business
 - First project of its kind, according to TCEQ
 - Land Application
 - City can obtain land application certificates which will enable the City to competitively bid land application projects; preference for City property
 - Working with LNV to evaluate costs of all feasible long-term solids handling and disposal options
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Summary and Recommendation

- The Utilities department would like to exercise the Option Year with APG for the following reasons:
 - Already mobilized on site. Cost to de-mobilize and re-mobilize is \$393,735, which is equivalent of 29,731 CY of accumulated sludge
 - Dredging can continue uninterrupted, ridding Plant of most of accumulated process residual sludge in Lagoons 5, 6, and 7
 - Familiar with ONSWTP, its business processes, and has an established relationship with landfill and local hauling company
 - Responsible, responsive to Utilities needs, and works well with City staff
 - Renewing the contract will allow removal of most of accumulated residuals within months
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