



Westlands Water District  
Groundwater Sustainability Agency

# GSP Annual and Implementation Cost Options

Item 10

Westlands Water District Board of Directors  
Serving as the Groundwater Sustainability Agency  
of the Westside Subbasin  
July 16<sup>th</sup>, 2019

# GSP Annual and Implementation Costs

GSP	Type of Cost	Cost*	Estimated \$/Unit
GSP Annual Reporting	Cost per Acre	\$184,000	\$0.40/Acre- \$0.50/ Acre
GSP Implementation	Cost per AF	\$455,000**	\$2/AF-\$46/AF
Total Cost		\$639,000	

\*From June Board Meeting

\*\*Includes Projects & Management Actions (Estimated at \$150,000 in 2020)

# Projects and Management Actions (PMAs)

Task No.	Description	Estimated Annual Cost
1	Groundwater Well Metering	\$15,000
2	Operation & Maintenance	\$40,000
3	Administrative Personnel	\$165,000
4	Engineering & Consulting Services	\$20,000
5	Project Management Actions (PMA)	\$150,000*
6	Legal Expenses	\$50,000
7	Public Outreach	\$10,000
8	Miscellaneous	\$5,000
<b>Total Annual GSP Costs</b>		<b>\$455,000</b>

## Future Estimated PMA Costs

Project Management Actions	Description	Estimated Annual Cost
1	Management of Groundwater Pumping and Wells	\$30,000
2	Aquifer Storage and Recovery Program	\$50,000
3	Recharge Ponds	\$145,000
4	GW Trading Program	\$100,000
5	Targeted Pumping Reductions	Opt-In Program
<b>Total Future PMA Costs</b>		<b>\$325,000</b>

Assumed Cost for 2020\*

# Volumetric and Land Based Charges

Assumptions  
 Cost/AF: \$2/AF - \$46/AF  
 Cost/Acre: \$.40/Acre

## Water User #1

Conditions  
 Acres: 10,000 Acres  
 Groundwater Usage: 8,000 AF

Annual Reporting (Land Based)	\$4,000
Implementation (Volumetric)	\$16,000 - \$368,000
<b>Total</b>	<b>\$20,000 - \$372,000</b>

## Water User #2

Conditions  
 Acres: 10,000 Acres  
 Groundwater Usage: 800 AF

Annual Reporting (Land Based Charges)	\$4,000
Implementation (Volumetric Charges)	\$1,600 - \$37,000
<b>Total</b>	<b>\$5,600 - \$41,000</b>

# Land Based Charge Only

Estimated Cost per Acre  
\$1.25/Acre

## Water User #1

Conditions

Acres: 10,000 Acres  
Groundwater Usage: 8,000 AF

## Water User #2

Conditions

Acres: 10,000 Acres  
Groundwater Usage: 800 AF

Estimated Costs for both Water Users  
\$12,500

# Volumetric Charges Only

Assumptions  
Cost/AF:  
\$2.25/AF - \$64/AF

## Water User #1

Conditions  
Acres: 10,000 Acres  
Groundwater Usage: 8,000 AF

Annual Reporting and Implementation Costs	\$18,000 - \$512,000
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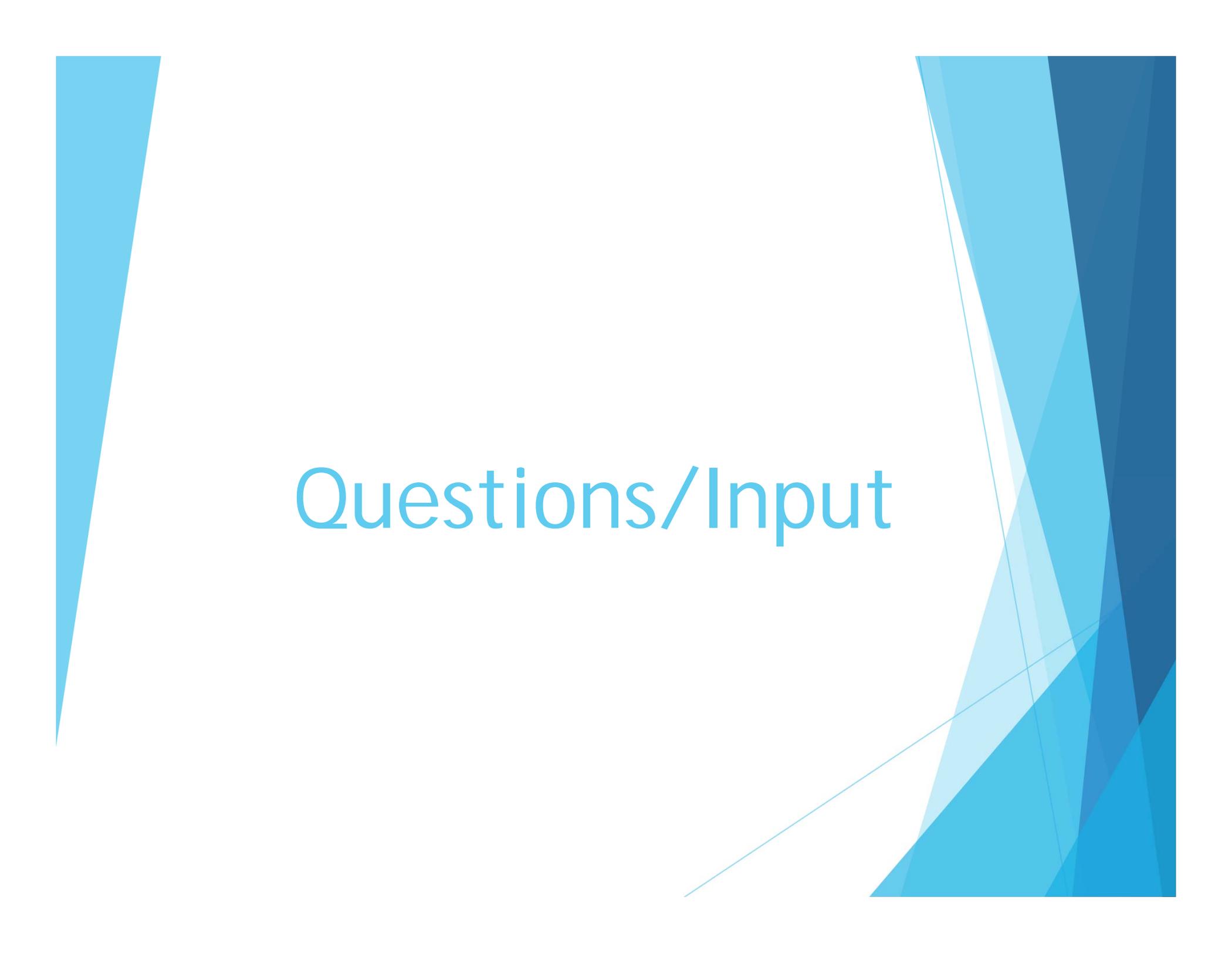
## Water User #2

Conditions  
Acres: 10,000 Acres  
Groundwater Usage: 800 AF

Annual Reporting and Implementation Costs	\$2,000 - \$51,000
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# Summary

	Water User #1		Water User #2	
Land Based & Volumetric	\$ 20,000	- \$ 372,000	\$ 5,600 - \$	40,800
Land Based	\$	12,500	\$	12,500
Volumetric	\$ 18,000	- \$ 512,000	\$ 1,800 - \$	51,200

The background features abstract geometric shapes in various shades of blue. On the left, a light blue triangle points downwards. On the right, a complex arrangement of overlapping triangles in light, medium, and dark blue creates a layered effect. A thin, light blue line extends from the bottom right towards the center.

Questions/Input