

Wildwings Irrigation Options

08-08-21

Issue: Due to the drought, the water level in the Canvas Back well is down to the last 50 feet at the bottom of the well and is not likely to last through the end of the irrigation season if the well is utilized for either the community or the golf course. The community is currently using the Pintail well which should last through the year if the community conserves water. Due to the low level in the Canvas Back well the CSA needs to decide how best to move forward with maintaining a water supply for the community and the Wildwings golf course.

	OPTIONS			
	1	2	3	4
Description	Allow fairways, surrounds and tees to go dry, water greens only	Water Golf Course with Canvas Back Well	Water Golf Course with Teichert Storz Pond	Water Golf Course with Prudential Farmer
Pros	Won't need to find additional water for golf course	No cost for the water	Water is free from Teichert, Storz pond is closer then Prudential well for piping compared to Option 4	Prudential has the right to sell water, neighbors would have no say in matter
Cons	Will need to cut costs, will lose revenue, may permanently lose business	May run the well dry prior to end of season, and may not have a backup for the community if the need arises.	May encounter problems with the neighbors for pumping ground water, may lower the water level in neighboring wells.	Prudential is double the distance for piping as Teichert pond is for Option 3, Water will have a cost, Need to accept liability for any damage to their pump, if use the canal to transport water there are huge losses.
Cost	Estimate loss of half of revenue and 30% loss of future	No cost	Rain for Rent Piping Rental and Diesel Costs	Rain for Rent Piping Rental, and Prudential Water Costs
	\$25,000 to \$30,000/month lost revenue and potentially a permante loss of 30% of the customers in the next year \$180,000	\$0	\$22,964 for installation of 3,000 lf of pipe and an additional \$6,869/month for pipe rental + existing \$20k for pipe rental from Moore canal to recycle pond plus pump and fuel cell	Estimate \$29,000 for installation of 4,000 lf of pipe and \$9,000/month for pipe rental + estimated cost of water paid to farmer at \$100/ac-ft for \$2,700/month + electricty costs+ existing \$17k for piping from Moore canal to recycle pond
Cost for Next 3 Months	\$90,000 + \$180,000 next year	\$0	\$104,000	\$115,000 plus electricity