



Summer Recycled Water Allocation and Future Considerations

Napa Sanitation District
Board of Directors Meeting
March 3, 2021



Basis of Consideration

- Strategic Plan for 2019-2021:

- 6A. Evaluate current recycled water allocation policy
 - Determine whether there is a need to change the prioritization, and if there is additional or unused capacity that should be reallocated. Staff will prepare information for the Board to have meaningful conversations and provide direction to staff regarding the end-use of recycled water that may be available now and in the future.



April 2020

- **Staff Recommendation**
 - Maintain existing allocation policy 11-004
 - Allow time for MST/LCWD users to connect
 - Allow time for NSH/Stanly Ranch Resort to connect



History

- Phase 1 Recycled Water Expansion
 - Production capacity expansion to 3,700 AFY w/ addition of 500 sqft of sand filters and other infrastructure



History

- Resolution No. 11-004
 - Provides Policy for Future Activities Associated with Recycled Water
 - Considered how Recycled Water could be served, outlining policy objectives
 - Set out initial allocation of RW among planned customers

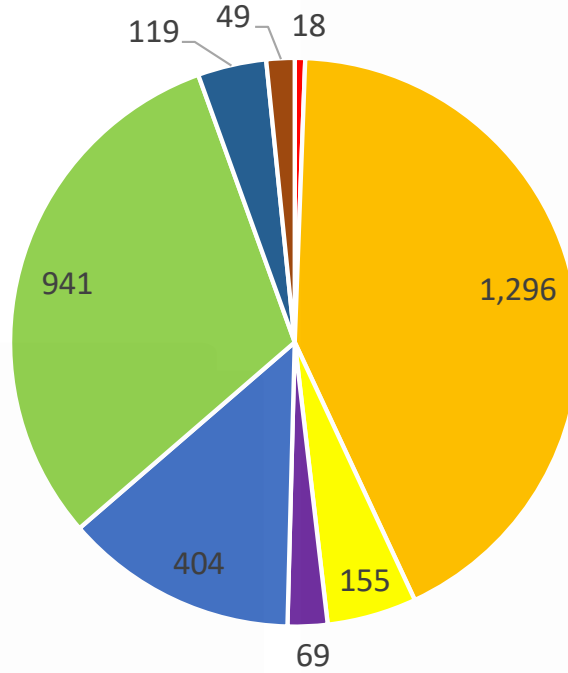


Table 1. Planning Information for Allocation of Summer Recycled Water

Type of User	Estimated Demand (acre-feet per year)		2020 Use (AF)	
			Year	Summer
Existing Uses/Commitments				
Existing Customers in Service Area	1,400		1,757	1,356
Montelcino Golf Course (Somky)	300		0	0
Valley Gate Vineyards & Kirkland Ranch	100		21	17
MST (could be as little as 500 AF)*	700		408	316
Los Carneros Water District*	450		636	436
District Use (Jameson Ranch)	100		155	153
SUBTOTAL EXISTING USES/COMMITMENTS		3,050		
Probable Commitments				
Infill (Kennedy Park, Industrial Parks)*	250		0	0
Napa State Hospital	200		12	9
Stanly Ranch (St. Regis)	200		62	34
SUBTOTAL PROBABLE COMMITMENTS		650	3,051	2,321



2020 Use (AFY)



- Parks
- Golf Courses
- NapaSan Ranches
- Trucked
- Commercial Landscaping
- Vineyards
- Cemeteries
- Schools



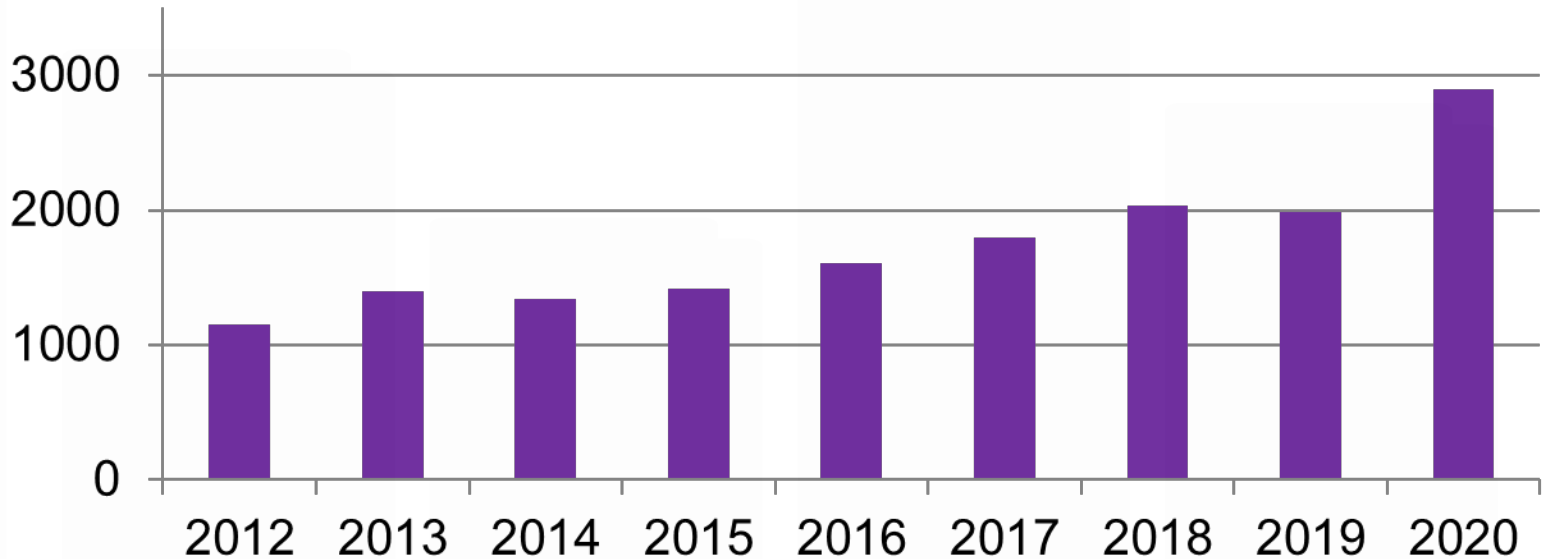
LCWD & MST

- LCWD
 - 107 total parcels
 - 49 parcels connected (44 -'19, 40 -'18)
 - 636 AF used in 2020 (274 AF in '19, 319 -'18, 197 -'17)
 - 436 AF used in summer 2020 (450 AF allocation)
- MST
 - 70 total parcels
 - 39 parcels connected (32 -'19, 27 -'18)
 - 408 AF used in 2020 (316 AF in '19, 284 -'18, 187 -'17)
 - 316 AF used in summer 2020 (700 AF allocation)



Growing RW Demand

RW Sold (AF)





Notes

- 2020 was the first year when recycled water distribution (3,051 AF) exceeded Napa River discharge (2,487 AF)
- 2021 recycled water distribution is already exceeding 2020 volumes (Jan-Feb)



Potable Reuse

- Ongoing coordination with Napa County Drought Contingency Plan



Staff Recommendation

- Maintain existing allocation policy 11-004
- Allow time for MST/LCWD users to connect
- Allow time for NSH/Stanly Ranch Resort to connect
- Complete Treatment Plant Master Plan to evaluate total supply of summer water
- Continue to coordinate potable reuse through Drought Contingency Plan