



Water Plan 2020

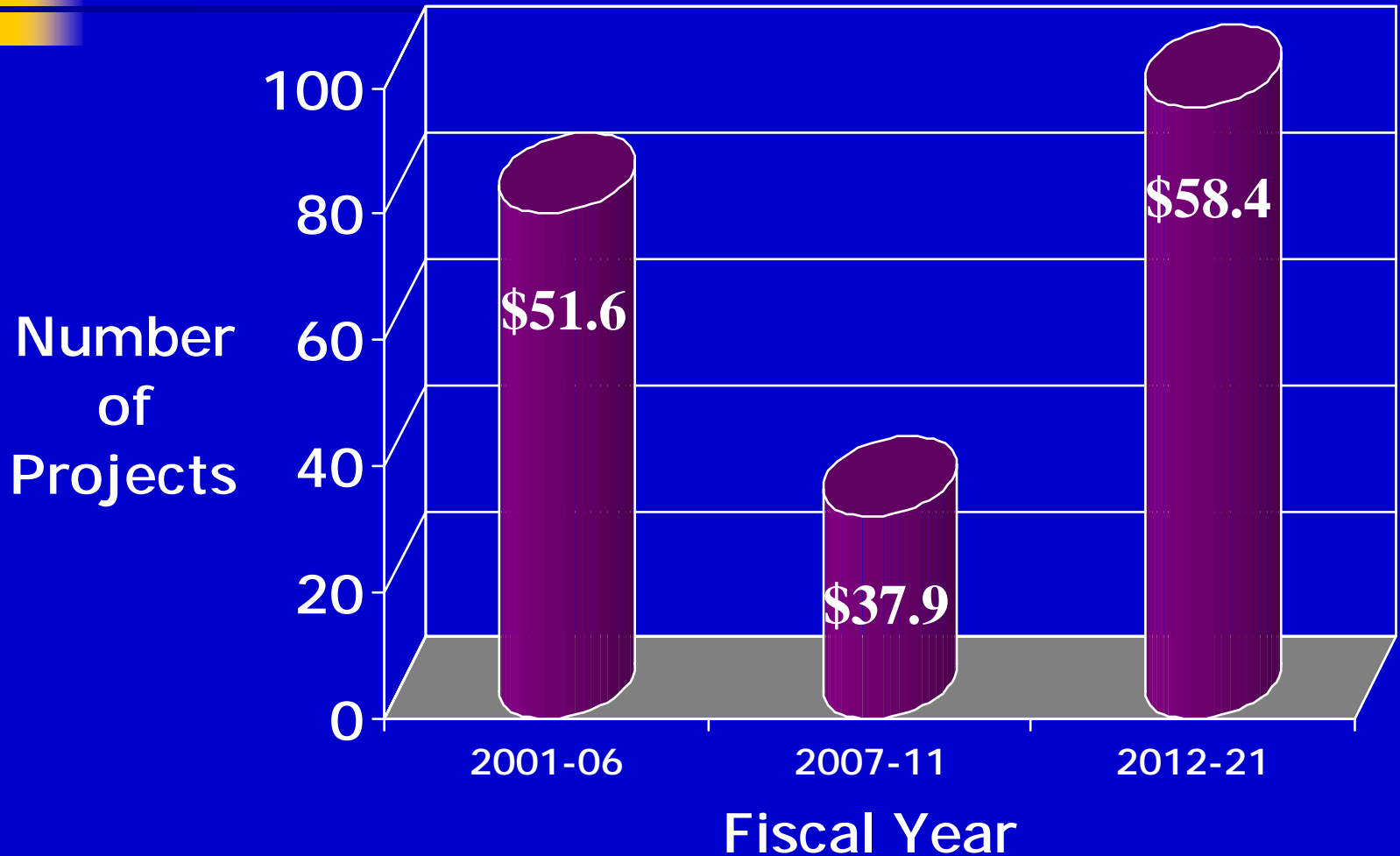
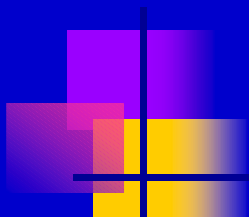
What we've discovered !



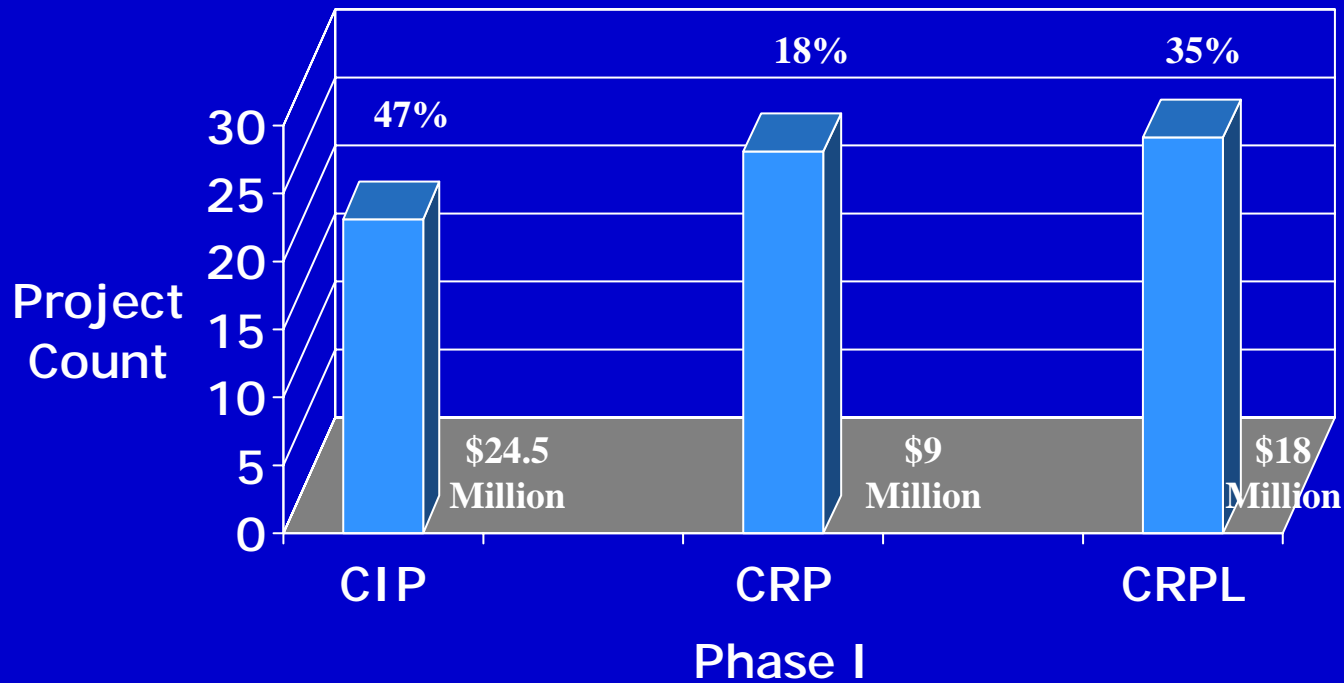
Water Plan 2020 Discoveries

- 200+ Projects Needed at a Cost of About \$150 Million (in Today's Dollars).
- 12 of 13 Systems Require Additional Source or Storage Capacity.
- Over Half of the Projects are Needed to Replace Old Pipelines.
- 127 Miles of Pipeline Need to be Replaced in The Next 20 Years.

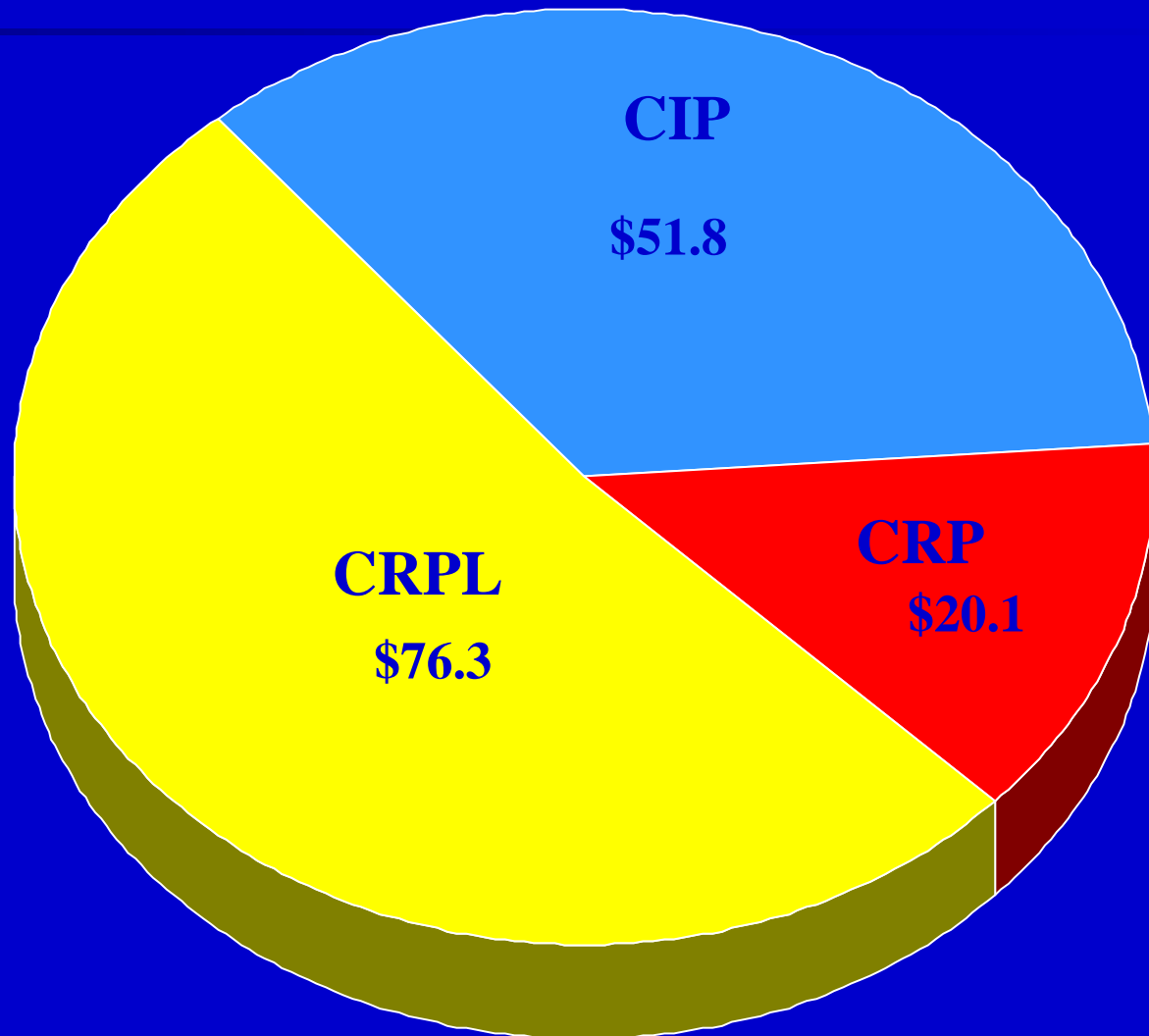
200+ Projects Needed at a Cost of About \$150 Million (in Today's Dollars).



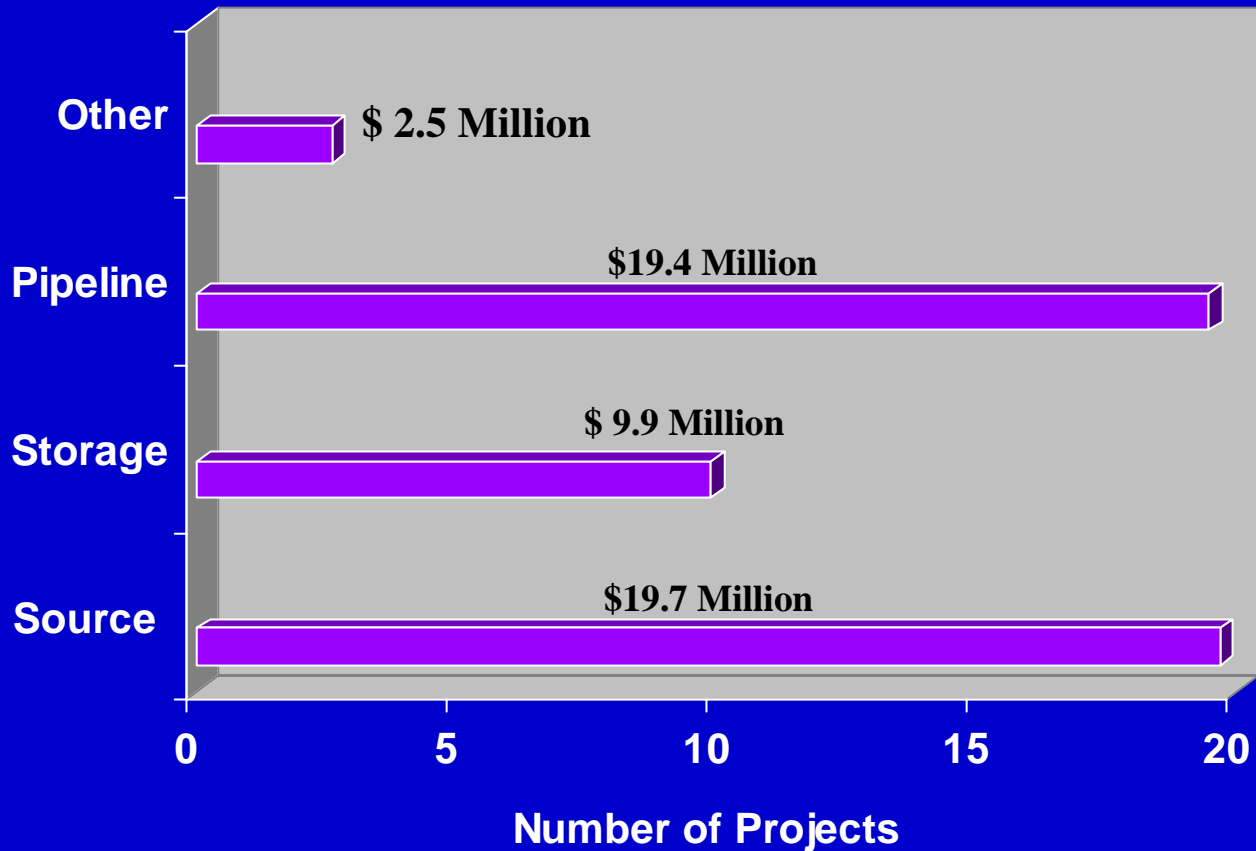
CIP/CRP Projects , Phase I By Fund Type



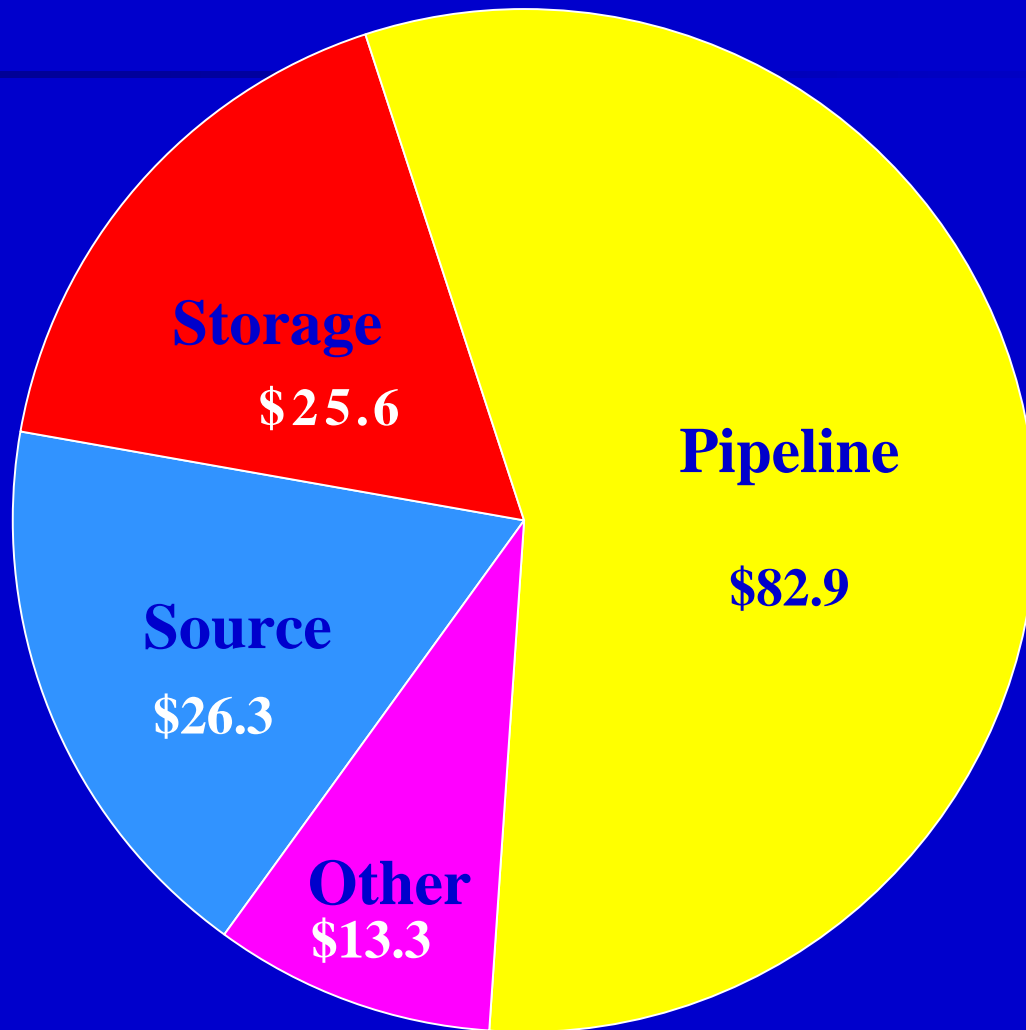
Island Wide Totals by Fund Type



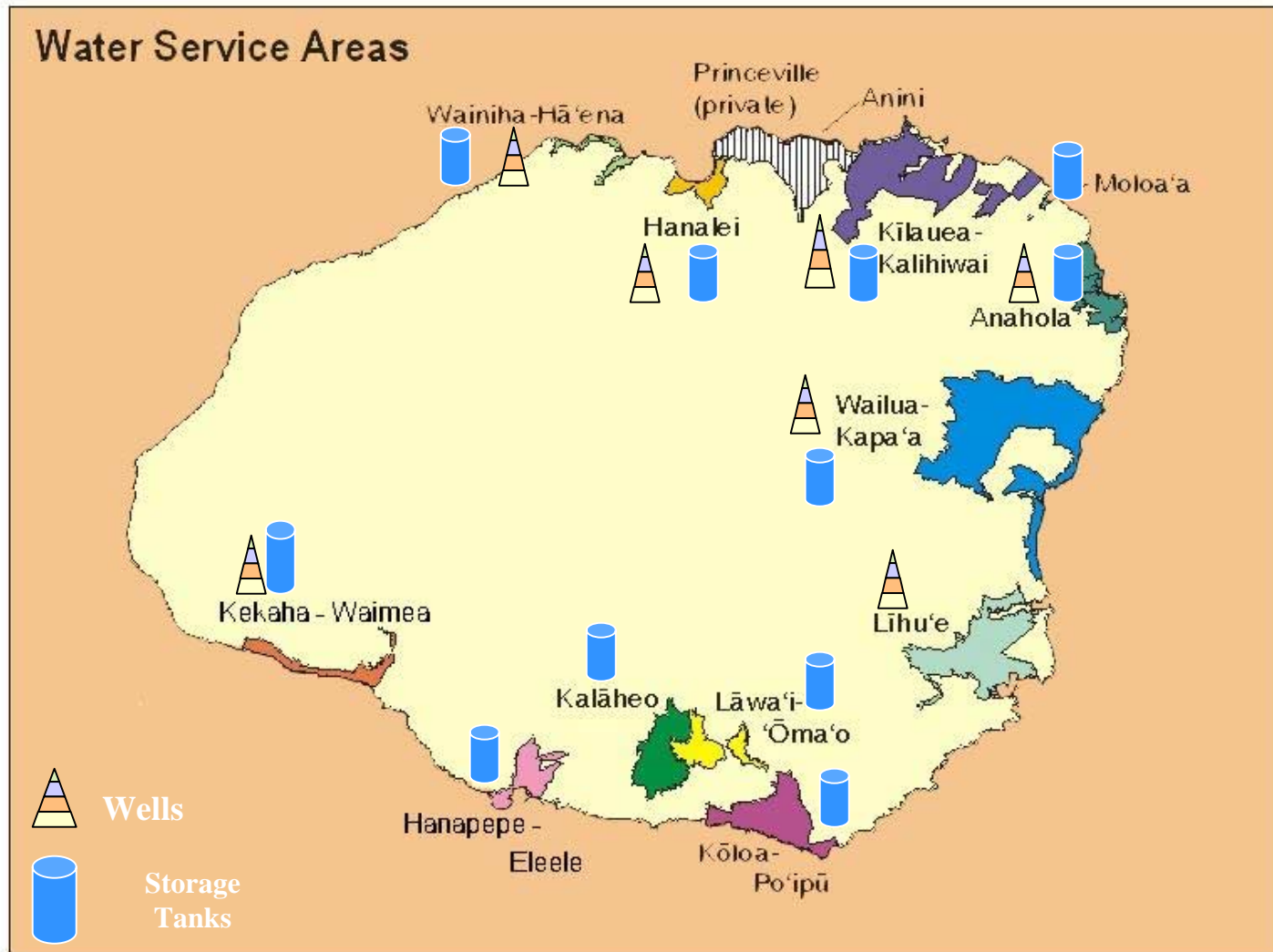
Project Type, Phase I



Island Wide Totals by Project Type



12 of 13 Systems Require Additional Source or Storage Capacity.





Source Needs by Water System, Gallons per Minute

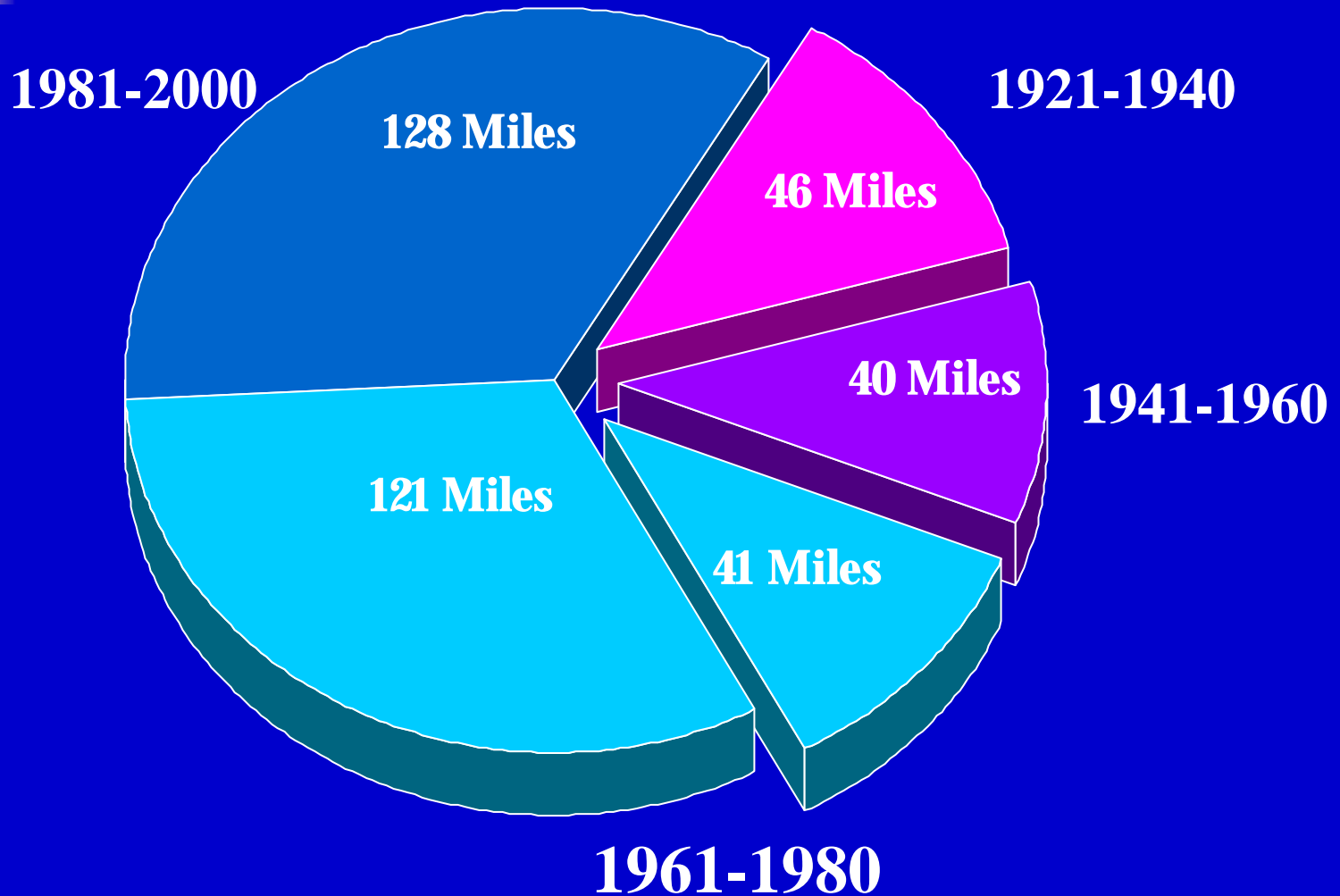
Water System	2000	2020
Waimea-Kekaha	0	200
Hanapepe-Eleele	0	68
Kalaheo	0	0
Lawai-Omao	0	0
Koloa-Poipu	0	0
Puhi-Lihue-Hanamaulu	1,730	0
Wailua-Kapaa	700	0
Anahola	300	0
Moloaa	0	0
Kilauea-Waipake-Kalihiwai	400	0
Anini	0	0
Hanalei	200	0
Wainiha-Haena	100	0



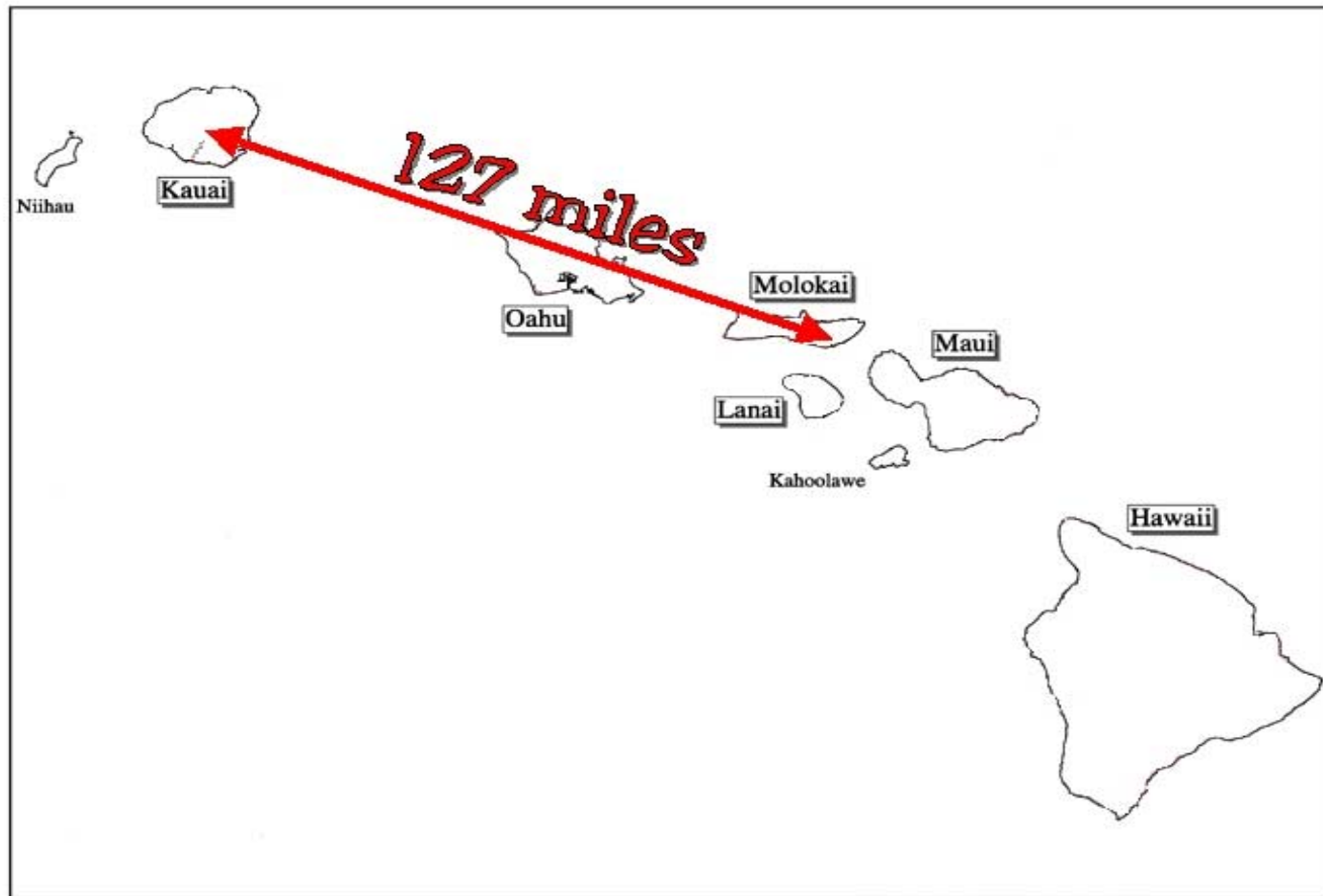
Storage Needs by Water System, Gallons

Water System	2000	2020
Waimea-Kekaha	600,000	500,000
Hanapepe-Eleele	0	40,000
Kalaheo	500,000	0
Lawai-Omao	250,000	0
Koloa-Poipu	500,000	1,000,000
Puhi-Lihue-Hanamaulu	0	0
Wailua-Kapaa	2,150,000	0
Anahola	0	40,000
Moloaa	15,000	0
Kilauea-Waipake-Kalihiwai	650,000	0
Anini	0	0
Hanalei	100,000	0
Wainiha-Haena	210,000	0

Old Pipe Needs to be Replaced

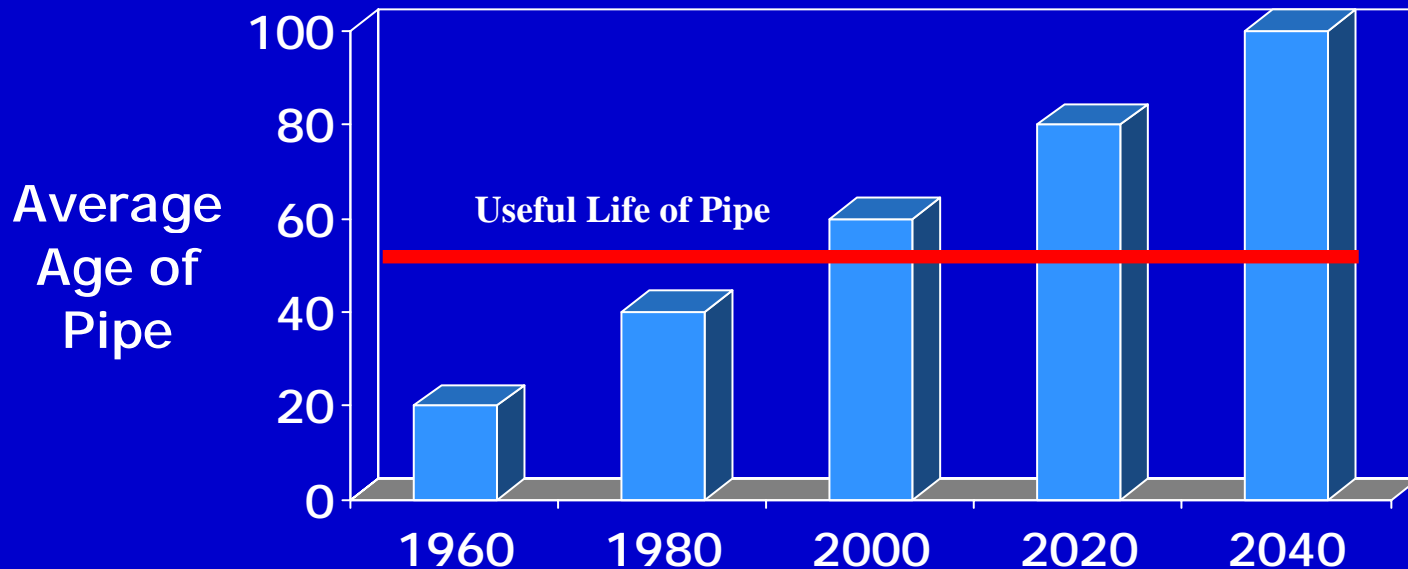


127 Miles of Pipeline Need to be Replaced in the Next 20 Years.



Why We Need To Replace These Pipelines

Existing Pipes Are Not Getting Any Younger



Do We Really Have a Choice?



Unplanned Interruptions in Water Service

Water for Our Future



Public Health and Safety Issues



Operation & Maintenance