

Appendix E

Conjunctive Use Guideline Tool

Input Interface

Control Toolbox	Quantity	Information	Assumptions
Text box	3	Annual demands in AFA: <ul style="list-style-type: none"> • Z40-SD • Z40-E99 • Z40-LF 	<ul style="list-style-type: none"> • Must be numbers • POU is served by the City completely
Option button	3	Three stages of rationing <ul style="list-style-type: none"> • 0 % • 5% • 10% 	<ul style="list-style-type: none"> • Default 0% • Automatically selected based on the selection of CVP allocation percentage: 65 to 75% - 5% rationing 50 to 60% - 10% rationing
Option button	4	Three phases of Vineyard SWTP <ul style="list-style-type: none"> • 0 MGD • 50 MGD • 100 MGD 	<ul style="list-style-type: none"> • Default zero MGD • Automatically selected based on the summation of demands: 18.84 cfs (connection capacity between Z40-E99 and Z40-LF) + demand of Z40-E99 + demand of Z40-SD
Check box	5	SCWA water contracts: <ul style="list-style-type: none"> • CVP 10 TAF at City (1) • Replacement water at Freeport (2) • CVP 35 TAF at Freeport (3) • Appropriative water (4) • Other contract (5) 	<ul style="list-style-type: none"> • Numbers in parentheses represent the usage priority • CVP at City will be first consumed in Z40-LF, then Z40-E99 through 18.84 cfs connection • CVP monthly pattern is same as SCWA M&I pattern • Replacement water monthly pattern • Appropriative water monthly pattern: see below

Control Toolbox	Quantity	Information	Assumptions
Option button	11	CVP allocation percentage: <ul style="list-style-type: none"> • 100% • 95% • 90% • 85% • 80% • 75% • 70% • 65% • 60% • 55% • 50% 	<ul style="list-style-type: none"> • Default 100% • CVP monthly pattern is same as SCWA M&I pattern • Available CVP monthly supply = CVP annual contract amount * CVP allocation % * SCWA M&I pattern
Check box	12	Months (Jan through Dec) with Appropriative Water:	<ul style="list-style-type: none"> • Default: all unchecked • These check boxes show up only when water contract check box for "Appropriative Water" is checked • Monthly Appropriative Water quantity is limited by the Vineyard SWTP capacity
Check box	12	Months (Jan through Dec) with Other Contract	<ul style="list-style-type: none"> • Default: all unchecked • These check boxes show up only when water contract check box for "Other Contract" is checked • Annual quantity • Monthly quantity
Check box	-	Groundwater facilities in Z40-LF:	<ul style="list-style-type: none"> • Default: all checked • • •

Control Toolbox	Quantity	Information	Assumptions
Check box	-	Groundwater facilities in Z40-E99: <ul style="list-style-type: none"> • • • 	<ul style="list-style-type: none"> • Default: all checked
Check box	-	Groundwater facilities in Z40-SD: <ul style="list-style-type: none"> • • • 	<ul style="list-style-type: none"> • Default: all checked
Command button	3	Water usage in one of the three subregions: <ul style="list-style-type: none"> • Z40-SD • Z40-E99 • Z40-LF 	<ul style="list-style-type: none"> • Must be numbers • POU is served by the City completely

Monthly Output

Graph	Quantity	Information	Assumptions
Entire Z40 Water allocation	1	Water usage in one of the three subregions: <ul style="list-style-type: none"> • City wheeling • Vineyard SWTP • Groundwater 	
Water allocation within each subregion	3	Water usage in one of the three subregions: <ul style="list-style-type: none"> • Z40-SD • Z40-E99 • Z40-LF 	<ul style="list-style-type: none"> • Groundwater • Vineyard SWTP water • City Wheeling water
Groundwater usage within each subregion	3	Water usage in one of the three subregions: <ul style="list-style-type: none"> • Z40-SD • Z40-E99 • Z40-LF 	<ul style="list-style-type: none"> • Groundwater • Vineyard SWTP water • City Wheeling water

