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## 16. CONSISTENCY WITH SOLUTION PRINCIPLES

*DRAFT - For Discussion Only*

**Distinguishing Characteristics**  
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**E - 0 0 1 5 6 6**

E-001566

# Consistency with Solution Principles Supporting Information

Solution principles have been at the root of CALFED alternative development since the first phase of the Program. Solution principles embody the balancing (considering tradeoffs and incremental differences between alternatives) of all the distinguishing characteristics. The relative qualitative rankings of the alternatives against the solution principles consider alternative cost, assurances, ability to satisfy the Program objectives, and to minimize impacts.

## Definition

“Consistency with Solution Principles” provides a qualitative measure of how well the alternatives meet the Program solution principles.

## Summary

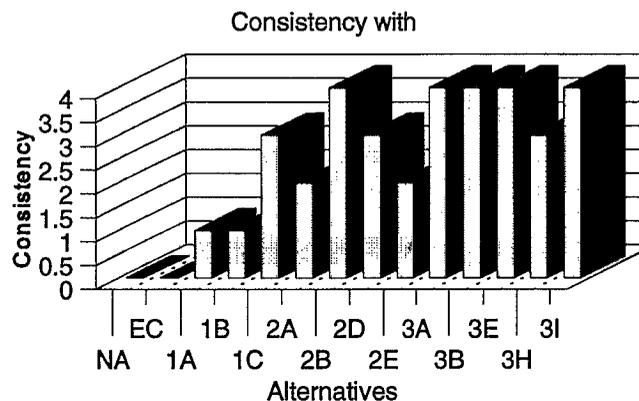
Alternative variations 1A and 1B do not satisfy the Program ecosystem objectives since they continue to have major diversion impacts (entrainment) on fisheries. Also, these variations do not satisfy the Program water supply reliability objectives since they do little to reduce the mismatch between water supply and the needs for the water. They also have the most adverse socio-economic impacts since needed water for environmental uses must be purchased from water users. Most of the other alternatives can be implemented in more balanced ways.

The chart at right and Table 16.1 show how well each alternative meets the Program solution principles. A score of 0 shows little or no consistency with the solution principles. A score of 5 shows high consistency with solution principles.

## Supporting Information for Table 16.1

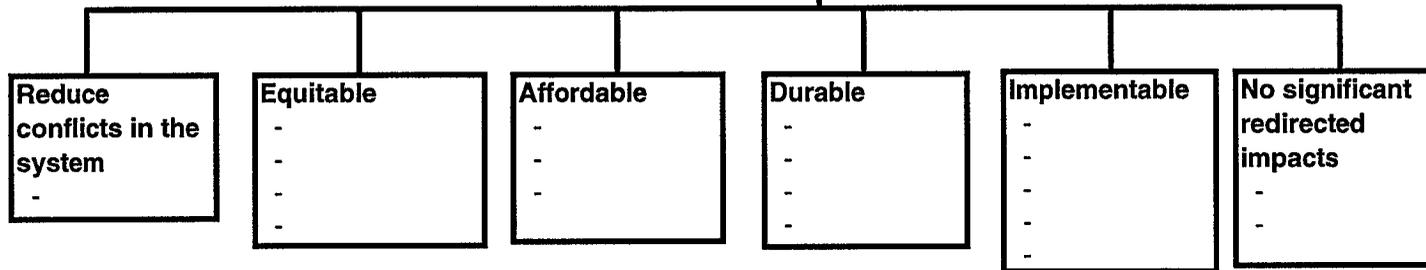
Table 16.1 includes summary rationale for each rating. These will be refined as CALFED agencies and stakeholders evaluate the performance of the alternatives.

### Solution Principles



□ 0= low conformance, 5= high conformance

### 16. Consistency with Solution Principles



Consider the supporting criteria within each solution principle.

To  
Decision  
Matrix

**Table 16.1 Summary**

Alternative	Reduce Conflicts	Equitable	Affordable	Durable	Implementable	No Significant Redirected Impacts	Overall Score
Exist. Cond.	poor	poor	NA	poor	NA	NA	0
No-action	poor	poor	NA	poor	NA	NA	0
1A	poor	poor	high	poor	fair	poor	1
1B	poor	poor	high	poor	fair	poor	1
1C	good	good	fair	fair	good	good	3
2A	fair	fair	good	fair	good	good	2
2B	good	good	fair	good	good	good	4
2D	good	good	fair	good	fair	good	3
2E	good	good	fair	fair	poor	fair	2
3A	good	good	good	fair	fair	good	4
3B	good	good	fair	good	fair	good	4
3E	good	good	fair	good	poor	good	4
3H	good	good	fair	good	fair	fair	3
3I	good	good	poor	good	poor	good	4

The best conformance with solution principles will be provided the highest ranking.

Values are on a scale from 0 to 5; with 0 representing the least conformance with solution principles and 5 representing the most.