

## 7.0 IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES

NEPA regulations require the evaluation of irreversible and irretrievable commitments of resources associated with Federal actions. Construction and operation of the proposed plant would result in the irretrievable commitment of biological resources (existing woodlands), materials, energy, fuel, and labor effort.

Resources committed for GTL plant construction would include structural steel, concrete, pipe, wiring, instrumentation, and process equipment, including vessels, tanks, pumps, compressors, valves, etc. These components would be considered to represent irretrievable resource commitments for the proposed project. Although the exact quantities have not yet been identified, the relatively small size of the proposed GTL plant would not be expected to constrain supplies of these components for other uses.

Resources committed to GTL plant operation would include the following:

- Natural gas 434 MM SCF
- Nitrogen 0.96 MM SCF
- Hydrogen 14 MM SCF
- Electricity 6,030 MW hours
- Water 52,594 barrels

Commitment of these raw materials for plant operation would not be expected to have an adverse effect on supplies of these materials for other uses.

The biological resource (10-acre parcel of land) that would be committed for plant construction would represent an irretrievable commitment of resources. This commitment would not, however, be expected to have an adverse effect on regional ecology or habitat for regional flora or fauna.

The labor commitment for construction and operation of the GTL plant would be relatively small and easily accommodated from the local metropolitan areas. The size of the local labor market should not be adversely impacted by either the short-duration construction effort or the increase in operating labor created by the proposed plant.