

Table 1: Financial and Environmental Assessment of SSO Biogas Utilization Options

EVALUATION CRITERIA	Pipeline Gas + CNG	Cogeneration	Pipeline Gas
Financial (PV 20yrs @ 4.5% pa)			
Revenue	-	3 M\$	-
Natural Gas offset	9M \$	-	29M \$
Diesel fuel offset	72M \$	-	-
Biogas Refining Cost	23M \$	-	23M \$
CNGV Capital Cost	32M \$	-	-
CNGV O&M Cost	14M \$	-	-
NPV (PV 20yrs @ 4.5% pa)	12M \$	3M \$	6M \$
Environmental			
GHG reduction retained by City CO ₂ e (tonne)	268,000	-	223,000
GHG reduction transferred to OPA CO ₂ e (tonne)	-	256,000	-
CAC reduction NO _x (tonne) SO ₂ (tonne)	7,000 1,900	-	-