

Unitil - NuNH Gas

Customer Project Evaluation & Determination of Non-Refundable Customer Contribution

Note: User Inputs are within Blue highlight cells

Brentwood Project

Project Inputs:

Relative Year	-	1	2	3	4	5	6	7	8	9	
Absolute Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Total Project Capital Cost (before any customer contrib) (on Incremental basis = excl Gen Constr OH's)	Model accepts multi-year phase-in of capital project costs; Enter as Positive Amounts.										
	\$ 1,783,850	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	Total \$ 1,858,850

Total Project O&M / Incentive Cost

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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Incremental Number of Meters by Year:

- (1) Primary Class/Meters added per Year
(2) Add'l Class/Meters added per Year
(3) Add'l Class/Meters added per Year

Class											
10 G52	1	-	-	-	-	-	-	-	-	-	1
10 G52	1	-	-	-	-	-	-	-	-	-	1
10 G52	-	-	-	-	1	-	-	-	-	-	1

Average Consumption & Demand

- (1) Primary Class/Meters added per Year
(2) Add'l Class/Meters added per Year
(3) Add'l Class/Meters added per Year

	Historical Average Billed Therms	Annual Average Billed Therms
10 G52	421,887	493,520
10 G52	421,887	243,000
10 G52	421,887	287,000

Optional Scenario Dual Fuel Customer

Contract Length

Class	(Relative Yrs)
10 G52	-
10 G52	-
10 G52	-

(As a 'default', model provides - by class - avg consumption per meter based on prior five years)

If known, actual project estimates should be substituted for these historic averages

Model accepts up to three different classes within one 'project'.

Enter contract length in relative years and whole years only

Solve for Required Customer Contribution

Run the Model with No Customer Contribution
(for 'benchmark' dynamic analytic periods
ending 10 or 20 years beyond year of last capital expenditure)

Run Dynamic 10-Yr Analysis
with No
Customer Contribution

Run Dynamic 20-Yr Analysis
with No
Customer Contribution

Run Dual Fuel Analysis
with No
Customer Contribution

If IRR/NPV results are below benchmarks:
Re-Run the model to determine the
required non-refundable customer contribution

Run Dynamic 10-Yr Analysis
Solve for
Customer Contribution

Run Dynamic 20-Yr Analysis
Solve for
Customer Contribution

Run Dual Fuel Analysis
Solve for
Customer Contribution

Dynamic 10-Yr (C&I) Analysis
Results Benchmark Flag

Dynamic 20-Yr (Res) Analysis
Results Benchmark Flag

Dual Fuel Customer Analysis
Results Benchmark Flag

Total Analysis Years
Non-Refundable Customer Contribution

14
\$ 974,180

24
\$ 974,180

-
\$ 974,180

IRR on Net Cash Flow (Excl Financing)
Net Present Value - at AftTax WACC

7.05%
\$ (0) 7.05% OK OK

10.53%
\$ 244,772 7.05% OK OK

0.00%
\$ (695,684) 7.05% IRR too low; Recalc Contributi
NPV too low; Recalc Contributi

Net Company Capital Expenditure
Simple Payback within relative year ==>

\$ 884,670
10

\$ 884,670
10

\$ 884,670
10