**PAGES**

General Information

Energy

Water

Capital – Investment

Capital – Replacement

Capital – OMR

Contract – Implementation/

Contract – Annual

Other – Cost or Benefit

Other – Non-Monetary Value

If Analysis Type MILCON ECIP

Customize pages to allow for inputs as costs or savings (should this be included regardless?)

Create a zero cost baseline alternative

**DETAILS OF EACH PAGE**

**General Information**

Project Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Analyst – text box (character limit of 30?)

Analysis Type – Drop down

Federal Analysis, Financed Project

FEMP Analysis, Energy Project

OMB Analysis, Non-Energy Project

If OMB Non-Energy

Analysis Purpose – Drop Down

Cost-effectiveness, lease-purchase, internal government investment, and asset sales

Public investment and regulatory analyses

MILCON Analysis, Energy Project

MILCON Analysis, Non-Energy Project

MILCON Analysis, ECIP Project

Constant or Current Dollar Analysis? – Constant / Current Toggle or Radial

Length of Study Period – integer

Discounting Information

Discounting Convention – drop down

End of Year

Mid-Year

Discount Rate – Real – decimal (%) (limit between -100% and +100%)

Discount Rate – Nominal – decimal (%) (limit between -100% and +100%)

Inflation Rate – decimal (%) (limit between -100% and +100%)

Location (Primary)

Country – searchable drop down

If US

State – searchable drop down

City – text box (character limit of 50?)

ZIP – drop down list based on State

If Not US

State/Province – text box (character limit of 30?)

City – text box (character limit of 50?)

Greenhouse Gas (GHG) Emissions and Cost Assumptions

Emissions Rate Scenario – drop down

2023 – EIA - Baseline Scenario

2023 – EIA – Low Renewable Cost Scenario

Social Cost of GHG Scenario – drop down

SCC = $0 / ton

2023 – 5% Discount Rate – Average (“Low”)

2023 – 3% Discount Rate – Average (“Medium”)

2023 – 3% Discount Rate – 95th Percentile (“High”)

**Energy**

Project Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Fuel Type – Drop Down

Electricity

Natural Gas

Fuel Oil

Propane

Customer Sector – Drop down

Commercial

Industrial

Location of Energy Consumption

If US

State – searchable drop down

ZIP – drop down list based on State

If Not US

Default to US Average?

Cost Per Unit – number

Annual Consumption – number

Unit – drop down (need to find conversion code for each of these groupings)

If Electricity

kWh

Therm

MBtu

MJ

GJ

If Natural Gas

kWh

Therm

MBtu

MJ

GJ

Cubic meters

Cubic feet

If Fuel Oil (Distillate or Residual)

kWh

Therm

MBtu

MJ

GJ

Liter

Gallon

If Liquified Petroleum Gas

kWh

Therm

MBtu

MJ

GJ

Liter

Gallon

Cubic meters

Cubic feet

If Coal (should we still include?)

kWh

Therm

MBtu

MJ

GJ

Kg

Pound

Ton

Demand Charge (Annual) – number

Rebate (Annual) – number

Price Escalation Rate

Constant? – Yes/No Toggle

If Yes

Single Constant Value – decimal (%)

If No

Annual Value – List – decimal (%)

List is the length of the study period

Use Index

Constant? – Yes/No Toggle

If Yes

Single Constant Value – decimal (%)

If No

Annual Value – List – decimal (%)

List if the length of the study period

**Water**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Unit – drop down

Liter

1000 liters

Gallon

1000 gallons

Cubic meters

Cubic feet

Usage (can we design this to be able to add more seasons?)

Season 1 (Summer)

Cost Per Unit - number

Season 2 (Winter)

Cost Per Unit - number

Disposal (BLCC 5.3 has 2 seasons – summer and winter - design this to be able to add more seasons?)

Season 1 (Summer)

Cost Per Unit - number

Season 2 (Winter)

Cost Per Unit - number

Price Escalation Rate (generically this is Rate of Change - Value)

Constant? – Yes/No Toggle

If Yes

Single Constant Value – decimal (%)

If No

Annual Value – List – decimal (%)

List is the length of the study period

Use Index (generically this is Rate of Change - Units)

Constant? – Yes/No Toggle

If Yes

Single Constant Value – decimal (%)

If No

Annual Value – List – decimal (%)

List is the length of the study period

**Capital Cost – Investment**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Initial Cost (Base Year Dollars) – number

Annual Rate of Change – decimal (%)

Expected Life (Years) – integer

Cost Adjustment Factor – decimal (%)

Cost Phase In (Years) – integer

Percent of initial cost by year of phase in – table

Automate year

Decimal (%)

Residual Value

Approach – Percent or Dollar Toggle

Value

If Percent – decimal

If Dollar – number

**Capital Cost – Replacement**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Initial Cost (Base Year Dollars) – number

Annual Rate of Change – decimal (%)

Expected Life (Years) – integer

Residual Value

Approach – Percent or Dollar Toggle

Value

If Percent – number (%)

If Dollar – number ($)

**Capital Cost – OMR**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Initial Cost (Base Year Dollars) – number

Initial Occurrence (Years from Base Date) – integer

Annual Rate of Change – decimal (%)

Recurring? – Yes/No Toggle

If Yes, Rate of Recurrence (Years) – integer

**Contract Cost – Implementation**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Occurrence (Years from Base Date) – integer

Cost (Base Year Dollars) – number

**Contract Cost – Recurring**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Initial Cost (Base Year Dollars) – number

Initial Occurrence – integer

Annual Rate of Change – decimal (%)

Recurring? – Yes/No Toggle

If Yes, Rate of Recurrence (Years) – integer

**Other Cost/Benefit**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Cost or Benefit? – Toggle

Group Tag – text input (character limit of 10?), autofill with existing tags already created?

Initial Occurrence - integer

Value Per Unit – number

Number of Units – number

Unit – text input (character limit of 10?)

Recurring? – Yes/No Toggle

Rate of recurrence (Years) - integer

Rate of change (value)

Constant? – Yes/No Toggle

If No, single value – number (%)

If Yes, list of values – numbers (%)

Length of list is study period length

Rate of change (units)

Constant? – Yes/No Toggle

If No, single value – number (%)

If Yes, list of values – numbers (%)

Length of list is study period length

**Other Non-Monetary**

Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Group Tag – text input (character limit of 10?), autofill with existing tags already created?

Initial Occurrence - integer

Number of Units – number

Unit – text input (character limit of 10?)

Recurring? – Yes/No Toggle

Rate of recurrence (Years) - integer

Rate of change (value) (same as price escalation)

Constant? – Yes/No Toggle

If No, single value – number (%)

If Yes, list of values – numbers (%)

Length of list is study period length

Rate of change (units)

Constant? – Yes/No Toggle

If No, single value – number (%)

If Yes, list of values – numbers (%)

Length of list is study period length

**List of Components**

Project Name – text box (character limit of 30?)

Description – text box (character limit of 200?)

Analyst – text box (character limit of 30?)

Analysis Type – Drop down

Constant or Current Dollar Analysis? – Constant / Current Toggle or Radial

Length of Study Period – integer

Discounting Convention – drop down

Discount Rate – Real – decimal (%) (limit between -100% and +100%)

Discount Rate – Nominal – decimal (%) (limit between -100% and +100%)

Inflation Rate – decimal (%) (limit between -100% and +100%)

Country – searchable drop down

State – searchable drop down

City – text box (character limit of 50?)

ZIP – drop down list based on State

Non-US State/Province – text box (character limit of 30?)

Emissions Rate Scenario – drop down

Social Cost of GHG Scenario – drop down

Fuel Type – Drop Down

Customer Sector – Drop down

Initial Cost Per Unit – number

Annual Consumption – number

Unit – drop down (need to find conversion code for each of these groupings)

Demand Charge (Annual) – number

Rebate (Annual) – number

Constant? – Yes/No Toggle

Single Constant Value – decimal (%)

Annual Value – List – decimal (%)

Component to create multiple set of inputs for seasons (see water pages)

Initial Cost (Base Year Dollars) – number

Annual Rate of Change – decimal (%)

Expected Life (Years) – integer

Cost Adjustment Factor – decimal (%)

Cost Phase In (Years) – integer

Percent of initial cost by year of phase in – table

Automate year

Decimal (%)

Residual Value

Approach – Percent or Dollar Toggle

Value

If Percent – decimal

If Dollar – number

Recurring? – Yes/No Toggle

Rate of Recurrence (Years) – integer

Initial Occurrence (Years from Base Date) – integer

Cost or Benefit? – Toggle

Group Tag – text input (character limit of 10?), autofill with existing tags already created?