

Project Proposal (For CAS and Boilers less than \$50k)

Project Title : _____

1. Project Summary

Provide detailed information about the project

2. Details of Current System

For projects that are not Compressed Air Systems, Boilers and Motors, please contact NEA for a template.

For Compressed Air Systems or Boilers:

Brand and model of Equipment	Capacity	Qty	Year of Installation	Operating Profile

- Please attach a schematic of the existing system and briefly describe how the existing system works.
- Specify the efficiency of the existing system.

For Motors:

Location	Type of Motor	Model	Quantity	Rated Power (W)	Efficiency at 100% Rated Load (%)	Annual Operating Hours ² (Hr)	Annual Energy Consumption (kWh)
			(A)	(B)	(C)	(D)	(A)x(B/C)x(D) /1000
<i>Tower</i>	<i>IE1</i>	<i>XYZ123</i>	<i>6</i>	<i>5.5</i>	<i>85</i>	<i>4380</i>	<i>170,047</i>

3. Details of Proposed System

For projects that are not Compressed Air Systems, Boilers and Motors, please contact NEA for a template.

For Compressed Air Systems or Boilers:

Brand and model of Equipment	Capacity	Qty	Year of Installation	Operating Profile

- Please attach a schematic of the system and briefly explain how the proposed system works, and why it is more efficient than the existing system.
- Specify the targeted efficiency of the proposed equipment / system, including breakdown of efficiency at component level (if applicable).

For Motors:

Location	Type of Motor	Model	Quantity	Rated Power (W)	Efficiency at 100% Rated Load (%)	Annual Operating Hours ¹ (Hr)	Annual Energy Consumption (kWh)
			(A)	(B)	(C)	(D)	(A)x(B/C)x(D) /1000
<i>Tower</i>	<i>IE1</i>	<i>XYZ123</i>	<i>6</i>	<i>5.5</i>	<i>85</i>	<i>4380</i>	<i>170,047</i>

4. Energy Savings

Will the project result in energy efficiency outcomes?

- ☐ Yes
☐ No

Please provide the estimated annual energy savings with step-by-step calculations.

	Estimation of Energy Savings
Annual energy savings (kWh)	
Annual energy cost savings (S\$)	

5. Simple Payback Period

Please compute the simple payback period using the following formula:

$$\text{Simple Payback} = \text{Project costs} / \text{annual projected energy cost savings}$$

6. Endorsement

Applicant's Senior Management (Name and Signature)	:	
Vendor (Name and Signature)	:	