

Industrial Heat Recovery Site Assessment Checklist

1. Facility Information

Site/Facility Name

Location

Date of Assessment

Assessor Name(s)

2. Process Overview

Brief Process Description

Major Equipment

Primary Energy Sources

3. Heat Sources Identification

Potential Heat Sources (check all that apply)

☐

Boiler Flue Gas

☐

Combustion Exhaust

☐

Process Water

☐

Wastewater

☐

Steam Vent

☐

Compressor Heat

☐

Other

Other Details

4. Heat Demand / Sink Identification

Potential Heat Sinks (check all that apply)

- ☐ Preheating Combustion Air
- ☐ Preheating Feedwater
- ☐ Space Heating
- ☐ Process Heating
- ☐ Domestic Hot Water
- ☐ Other

Other Details

5. Data Collection

Source Temperature (°C)

Source Flow Rate

Sink Temperature Requirement (°C)

Sink Flow Rate

Operating Hours per Year

6. Technical Feasibility

Space Availability

Access to Piping/Infrastructure

Notes

7. Economic Assessment

Estimated Heat Recovery Potential (kW)

Estimated Cost Savings (\$/year)

Estimated Capital Cost (\$)

Other Considerations

8. Environmental and Safety Aspects

Potential Emission Reduction

Safety Considerations

9. Recommendations & Next Steps

Summary of Findings

Recommendations