1. Fill out an Evaporator Check Worksheet as much as possible for one evaporator.

2. Fill in the Air Unit and Chiller sheets in the Tool.
    a. Enter information for all air units and chillers to estimate the average annual energy for all air units fans and chiller pumps.

Email evaporator check to: steve.koski@cascadeenergy.com and guow@ornl.gov

Evaporator Check

Date:	**Site:**
Completed By:	**Evaporator & Valve Group ID:**

1) Evaporator Visual Inspection:

Time Since Last Defrost		
Time Until Next Defrost		
Frost Loading (Clear, Light, Heavy)		
Dirt or Debris on Coil?	Yes No	
All Fans Working & Right Direction?	Yes No	

Sketch Frost Pattern:

2) Valve Group Inspection:

	Current State	Describe the Frost/Sweat Pattern Upstream & Downstream of Valve
Hot Gas Solenoid:	open closed	
Suction Stop:	open closed	
Suction Stop Pilot Solenoid:	open closed	
Bleed Down Solenoid:	open closed	
Liquid Supply Hand Expansion:	____ of ____ turns	
Liquid Supply Solenoid:	open closed	
Hot Gas Defrost Back Pressure Regulator:	setting: _____ psig	

3) Evaporator Performance:

Evaporator TD: °F **Evaporator ΔT:** °F

Known coil performance issues and other notes:

1 – Hot Gas Supply Solenoid Valve
2a – Suction Stop Valve
2b – Suction Stop Pilot Solenoid Valve
3 – Bleed Down Solenoid Valve
4 – Liquid Supply Hand Expansion Valve
5 – Liquid Supply Check Valve
6 – Liquid Supply Solenoid Valve
7 – Hot Gas Defrost Relief Regulator