Environmental Committee Energy Audit Recommendations

1. **Utility Review**
    a. **Recommendation:** CCV management review energy usage situation with Post office management to determine if measures can be introduced to improve the energy consumption and to reduce Carbon emissions in the Post office.

    b. **CCV Response:** Determined Post office is carrying part of the Village Hall load and will re-wire circuit.

    c. **CCV Action:** Scheduling

    d. **Status: Completed**

2. **Mechanical Systems Review**
    a. **Recommendation:** It is recommended that operator-controlled, automation systems, where appropriate, for boilers, pumps, HVAC units, and lighting be considered.

    b. **CCV Response:** Too many systems to integrate and for too many applications (i.e. parties, events and office space)

    c. **CCV Action:** None

    d. **Status: No Action Taken**

3. **Mechanical Systems Review**
    a. **Recommendation:** Recommended that the feasibility of implementing and integrated energy management platform that combines planning, financial and implementation function be reviewed by CCV management.

    b. **CCV Response:** Too many systems to integrate and for too many applications (i.e. parties, events and office space)

    c. **CCV Action:** None

    d. **Status: No Action Taken**

4. **Mechanical Systems Review**
    a. **Recommendation:** Replace the boilers in order "to substantially reduce the carbon footprint and increase operating efficiency" is **not** a recommendation that should be considered presently given the fact that the boilers are deemed operationally functional and have a long operating lifecycle.

    b. **CCV Response:** Will wait

    c. **CCV Action:** None

    d. **Status: No Action Taken**

5. **Lighting Systems Review**

a. **Recommendation:** It is strongly recommended that Village Management continue to "investigate the possible locations that would facilitate low wattage lighting products and motion sensors"

b. **CCV Response:** All for it where practical, Will buy for the office first to test, Must be able to handle 1000W for public spaces

c. **CCV Action:** Chief's old & new office and new locker room have motion light sensors installed

d. **Status: Motion Sensors have been installed in Office space areas only. Village Staff awaiting Building Facilities Commission and Environmental Committee discussion on CFL bulbs in public spaces.**

6. **Building Envelope Review**
   a. **Recommendation:** Caulk and weather strip existing doors and windows to reduce energy costs are strongly supported by the Environmental Committee.

   b. **CCV Response:** Agreed

   c. **CCV Action:** Complete except astragals on double doors

   d. **Status: Completed except astragals on double doors**

7. **Building Envelope Review**
   a. **Recommendation:** Environmental Committee does **not** support replacement of windows.

   b. **CCV Response:** Agrees

   c. **CCV Action:** N/A

   d. **Status: No Action Taken**

8. **Building Envelope Review**
   a. **Recommendation:** Environmental Committee does **not** support "further investigation into the construction of the walls to verify proper insulation and the presence of an adequate vapor barrier."

   b. **CCV Response:** Agrees

   c. **CCV Action:** N/A

   d. **Status: No Action Taken**

9. **Water Systems Review**
   a. **Recommendation:** "Investigate the possible locations that would facilitate the installation of a water storage system to reduce water and sewer costs" should be seriously considered by Village Management.

   b. **CCV Response:** All for putting water tanks in the Public Works yard and roadway except for cost

c. **CCV Action:** Exploring option as time is available

d. **Status: No Action Taken**

10. Water Systems Review

a. **Recommendation:** As a part of a water conservation program, it is recommended that the shower heads should be examined to determine if they contribute to excessively wasting water.

b. **CCV Response:** Village only has one shower head

c. **CCV Action:** Nothing

d. **Status: No Action Taken**

11. Water Systems Review

a. **Recommendation:** Investigate if there is evidence of scaling or corrosion in the water heating system, it is recommended that the feasibility of establishing a water treatment program be investigated.

b. **CCV Response:** Potable water plumbing – All copper system, copper pipes do not scale or corrode. Heating system may have merit

c. **CCV Action:** Water Quality test on heat pipes in process

d. **Status: No Action Taken**

12. Water Systems Review

a. **Recommendation:** Install separate water meters for non-sewer conveyance, e.g. sprinkler systems for the lawn, cooling systems, etc.

b. **CCV Response:** Agrees

c. **CCV Action:** Completed

d. **Status: Completed**

13. Indoor Environmental Review

a. **Recommendation:** Investigate the feasibility of implementing a solar project as an alternative energy source.

b. **CCV Response:** All for it. Will investigate "in-house"

c. **CCV Action:** Environmental Committee has action item to deliver a proposal. Village will investigate on a separate trail.

d. **Status: Staff awaiting Environmental Committee Research**

14. Green Review

a. **Recommendation:** Establish "rainwater collection barrels, integrating collected water into facility irrigation system."

b. **CCV Response:** All for putting water tanks in the Public Works yard and roadway except for cost

c. **CCV Action:** Exploring option as time is available

d. **Status: No Action Taken**

15. Green Review

a. **Recommendation:** Establish prominent recycling stations in the CCV facility with containers for each material.

b. **CCV Response:** Policy change possible

c. **CCV Action:** Research options for implementation

d. **Status: Village Office already Recycling**

16. Green Review

a. **Recommendation:** Establish a sustainable purchasing policy in include vehicles, recycled paper, green cleaning products and salvaged or recycled materials.

b. **CCV Response:** Will look into different products, would agree to guidelines at this time.

c. **CCV Action:** Green cleaning products and recycled paper already in use

d. **Status: In use, this is a requirement of the Village's Janitorial Services Contract**

17. Green Review

a. **Recommendation:** Follow sustainable landscaping guidelines referenced from USGBC and EPA.

b. **CCV Response:** Not sure what is meant. Will have to do research

c. **CCV Action:** Research in progress

d. **Status: No Action Taken**