To:     Randy Clark
From:  Jon Mueller (Itron, Inc.)
Date:   11/06/07
Re:     Description of changes from ERG-5000-001,002, 003, 004, to ERG-5000-007,
        008.

Summary
Itron is in the process of rolling out the 100G product line.  Currently, we have the first 6
models of endpoints released (p/n's: ERG-5000-001,2,3,4,5&6) under FCC ID:
EO9100G and IC: 864D-100G.  We wish to add the next 2 models in the 100G rollout
(p/n's: ERG-5000-007&8) to the family, and use the same FCC and IC identification
numbers.

Differences
Like the 40GB product line, the 100G comes in different mechanical packages, in order
to attach to different gas meters.  In the case of the first 4 models released, the same
circuit board is used by all models.

In the case of the -007 & -008 models, the PCB layout is identical; however, a different
tamper switch is used on the circuit board, due to mounting the board in a horizontal
position (as opposed to vertical).  This switch detects tamper and has leads that allow it to
remain vertical when the circuit is in a horizontal position.

The plastic housings are different, as is the case with all models, but the most noticeable
difference when looking at the inside of the unit, is the addition of a metallic piece.  This
bronze metallic piece is added to these two models to correct the polarization of the unit.
This is due to the board being contained in the housing in a horizontal position.  In the
previous models, the circuit is mounted in the housings in a vertical position.  This
metallic piece is added to correct the polarization only, it does not further enhance the
signal strength (relative to previous models), which is evident in the emissions report that
is also provided.

For FCC purposes, I wish to address this by means of a Class 2 permissive change.  For
IC purposes, I wish to add these 2 new part numbers to the 100G family.