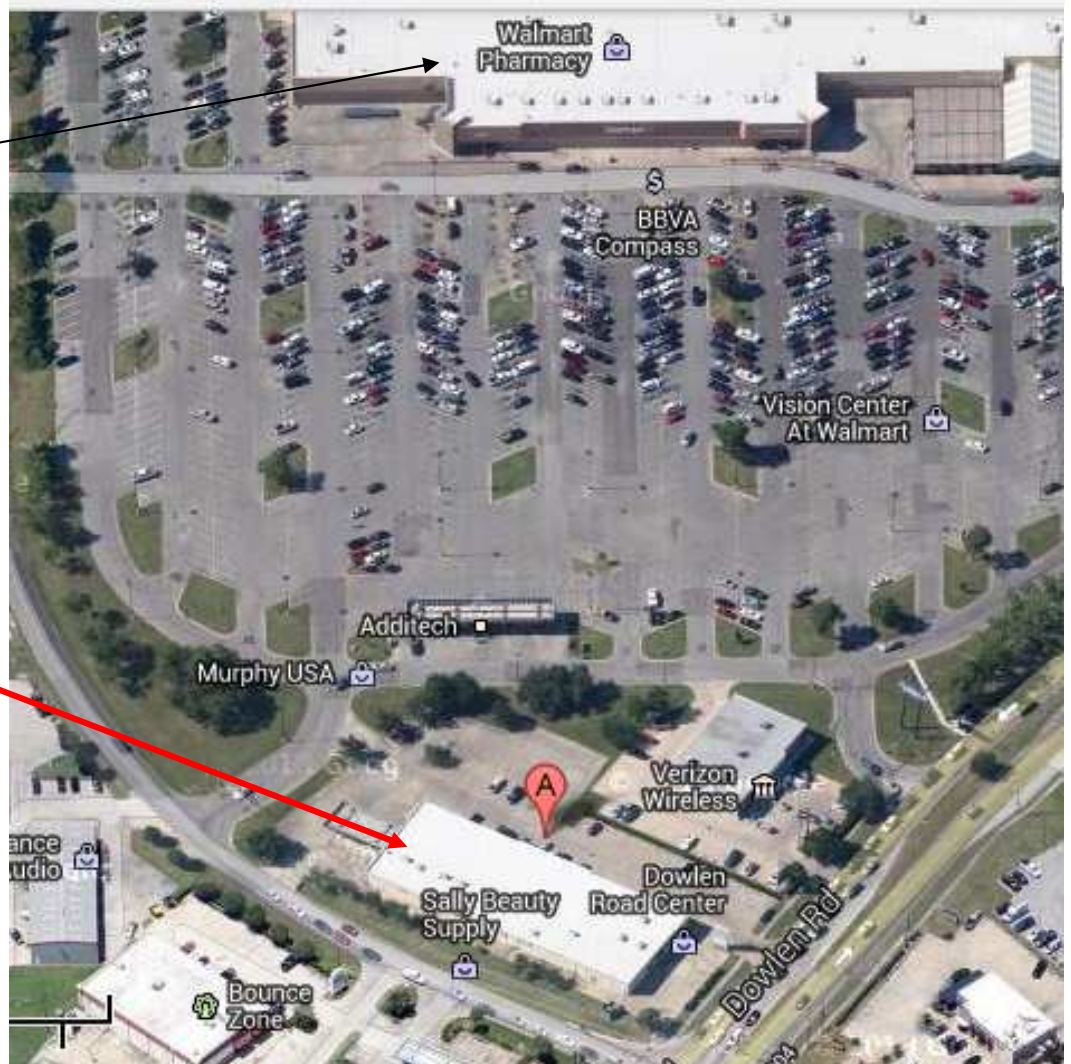


# Batteries + Bulbs

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Independently owned and operated franchise

WalMart



Batteries  
+ Bulbs

Hours:

M/F 8AM – 8PM

Sat 9AM – 8PM

Sun 10AM – 5PM

## Program Presentation Summary (page one):

Brad Tinkley from Batteries + Bulbs, a new business in Beaumont, presented a program about power tool batteries.

Most of our older power tool batteries are Ni-Cad batteries while the newer ones use Lithium Ion technology. There are major differences in the use and care of these batteries.

Ni-Cad batteries provide a lot of power and the output drops as the battery discharges until the tool slowly stops working. Recharge generally takes several hours. Ni-Cads are rated in number of cycles (discharge and charge is a cycle). Once they are charged, they should be removed from the charger. If they are left on the charger, they will slowly discharge and then the charger will sense the lower voltage and recharge them. This counts as a cycle and it will eventually ruin the battery.

Lithium Ion batteries have a small computer chip embedded in them that provides a steady flow of voltage to the tool and when it reaches a set voltage, it stops sending power. That's the reason most Lithium Ion powered tools run at full speed and then stop instead of slowing down and stopping. This keeps the battery cells from completely discharging which can cause them to reverse polarity. It's OK to leave the Lithium Ion batteries on the charger after the charging cycle is complete.

## **Program Presentation Summary (Page two):**

Batteries + Bulbs can rebuild most of the Ni-Cad battery packs – and at a much lower cost than a new battery. For example, the 14.4v DeWalt battery for my drill cost \$42.95 to rebuild vs. \$79 for a new battery at Lowes.

If you mention that you're a member of WWSET, they'll even give you a small discount on your battery rebuild.