

## THE CASE FOR ANIMAL COVERUP

### Percentage of Power Outages Caused by Animals

- 18% of all power outages are caused by wildlife
- an additional 19% are attributable to "miscellaneous" causes (some portion of which may be animal-caused)

*Source: 2005 USDOE Study quoted by www.exacterinc.com*

### Average Costs Per Animal-Caused Outage

A study of wildlife related power outages in 203 electrical Substations estimates that the typical cost of an outage to a utility is between \$500 and \$140,000 per outage due to equipment repair and replacement.

*Source: Factors Affecting Wildlife Related Outages in Electrical Substations, J.B. James, 2002*

### Cover-Up is an Effective Solution

"Properly installed cover-up material is very effective."

*Source: 2005 Draft Report: Wildlife Control and Protection, Energy Solutions General Electric, DSTAR Project 10-3, (pages 48 and 49)*

### Fit is the Key

Animal-caused faults and outages are a result of animal contact. Inquisitive animals can make contact via small exposed surface areas. Where there's a gap or hole between the cover and the equipment, there is a risk of contact. A well-fitting cover is therefore key to preventing contact and the resulting outages.

### Greenjacket Covers Fit

The Greenjacket product line includes over 400 stock covers, with custom covers available at attractive prices and turnaround times.

Greenjacket solutions are typically a blend of stock and custom covers. Each substation is assessed and the equipment measured to ensure a proper cover fit. Measurements can be taken on energized equipment, so no downtime is needed.

### Results

"Using Cantega Technologies' Greenjacket Wildlife Outage Mitigation System, we have retrofitted several substations where we had a history of bird caused outages. To date, we've yet to have a bird caused outage at any completely retrofitted station.

"Cantega's focus is to eliminate bird and animal caused outages by working closely with us to develop a unique, customized solution for each substation. Customized Greenjacket covers fit precisely and are quickly installed or removed to access connections and equipment."

*Ken Tetzlaff, Maintenance Application Technician, AltaLink Management Ltd.*

**Call Salisbury by Honeywell for more information.**