

Let $F \xrightarrow{\sim} E \xrightarrow{\pi} B$ be a fibration 20
 with E acyclic. The suspension is

$$\sigma: \bar{H}_{k-1}(F) \xleftarrow[\kappa]{\delta} H_k(E, F) \xrightarrow{\pi} \bar{H}_k(B).$$

In terms of the Eilenberg-Moore chain
 models, let $E = C \otimes F$ be an
 acyclic construction. The suspension is

$$\sigma: \bar{H}_{k-1}(F) \xleftarrow[\kappa]{\delta} H_k(E, F) \xrightarrow{\pi} \bar{H}_k(C)$$

 and, in the computation above,
 it is clear that $\sigma \times x_{2npk-1} = 2pk$

where x_{2npk-1} is the exterior generator
 in dimension $2npk-1$.

(This is just another way of saying
 that $d(2pk \otimes 1) = 1 \otimes x_{2npk-1}$
 in the acyclic construction.)