

1 **Q. With respect to Feeder Additions for Growth - p. 57 of 96, it states, "Customer**
2 **growth on the Northeast Avalon Peninsula has caused some substation transformers**
3 **and sections of trunk feeders to become overloaded." To the extent that this Project**
4 **involves work to remedy the overload of substation transformers, please provide**
5 **details as to how often and to what degree the substation transformers referred to in**
6 **this statement have been overloaded.**

7
8 A. The reference to *Schedule B: Feeder Additions for Growth* p. 57 of 96 notes:

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10 *"Customer growth on the Northeast Avalon Peninsula has caused some substation*
11 *transformers and sections of trunk feeders to become overloaded. Transferring customer*
12 *load to an adjacent substation that has available transformer capacity is the least cost*
13 *alternative as it defers the purchase of an additional transformer to a future date."*

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15 As noted in the report *4.3 Feeder Additions for Load Growth*, the following substation
16 transformers are subject to overload in 2010 until offloading through this project to more
17 lightly loaded substation transformers occurs through changes to the distribution system:

18
19 Hardwood Transformers T1 and T2
20 2008 loading 96%
21 2009 forecasted loading 102%

22
23 No overload of these transformers occurred in 2008. However, overloads are forecast to
24 occur in 2009, with a greater overload forecast to occur in 2010 if the recommended
25 project is not undertaken in 2010.