Reference: Marginal Cost Study Update - 2018 - Summary Report, Nov. 15, 2018, 1 Q. 2 Appendix A (Christensen Associates Energy Consulting, Cost Estimates and Methodology 3 for Generation and Transmission Services, 2021-2029, page 9 (31 pdf) 4 Citation: 5 6 The process of sizing facilities often favors oversizing beyond that which is needed during the early years of capacity life, as doing so reduces total facility costs in the 7 8 long run over extended future years. 9 10 Does oversizing beyond that which is needed during the early years of capacity life reduce total facility costs in the long run in a context where load growth is flat, almost flat or 11 declining, based for instance on expectation of dramatic rate increases? 12 13 14 15 Α. This response has been provided by Christensen Associates Energy Consulting. 16 The sentence preceding the citation is: "However, resource indivisibility is often present." 17 18 When faced with a choice between project alternatives where the smaller may be 19 temporarily inadequate or risky, a planner might well choose to "oversize". Note also the 20 remarks in footnote 21 regarding risk elements of the decision. More generally, the answer 21 to the question is highly specific to condition and context. Especially in cases where the 22 difference in costs between two equipment sizes may be a comparatively small share of 23 total installed costs of new equipment, expected loads can assume a declining path, yet it 24 will still be least cost to somewhat oversize facilities where doing so obtains improved 25 reliability or reduced line losses, or forestalls/delays costly replacement of other equipment 26 within the equipment bundle that constitutes a facility such as a primary distribution

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feeder.