

**DIRECT TESTIMONY OF
STELLA CHAN
NMPRC CASE NO. 15-00261-UT**

1 method is simply to average the class contributions to the summer peak hour
2 demand and the winter peak hour demand.”¹⁵ PNM has “determined
3 judgmentally” that the residential, small power and general power 3S1WCP
4 allocator should be based on a three-year average of CPs in order to mitigate the
5 effects of weather on the calculation of this generation demand allocator. In other
6 contexts, PNM has found that using a three-year average, as opposed to two years
7 or five years for example, is effective at arriving at weather-normal shapes.
8 Specifically, PNM uses a three-year average to determine a weather-normal shape
9 for its hourly demands.

10
11 **Q. HOW ARE TRANSMISSION COSTS ALLOCATED TO PNM’S RATE**
12 **SCHEDULES?**

13 **A.** PNM allocates transmission costs to customers using the rate schedule’s average
14 monthly coincident peaks at transmission voltage, which is the 12 CP method.
15 The NARUC Manual states that the 12 CP demand allocation methodology “is
16 based on the principle that a utility installs facilities to maintain a reasonably
17 constant level of reliability throughout the year or that significant variations in
18 monthly peak demands are not present.”¹⁶ Under this methodology, the relative
19 importance of each month is considered and no single peak demand has any
20 greater significance than other monthly CP demands. Given that PNM’s
21 transmission system is used at a constant level throughout the year to ensure

¹⁵ NARUC Manual at p. 45.

¹⁶ NARUC Manual at p. 79.

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1 reliability, the 12 CP demand allocator is appropriately used for transmission
2 costs, in accordance with the NARUC Manual. PNM has consistently used this
3 methodology to allocate transmission costs in prior rate cases.
4

5 **Q. TO DEVELOP THE 12 CP ALLOCATOR FOR TRANSMISSION, DID**
6 **PNM USE THE THREE-YEAR AVERAGE OF THE CP DEMAND**
7 **ALLOCATORS DESCRIBED ABOVE?**

8 **A.** Yes, for the residential, small power and general power classes. Each class's
9 average monthly CP was based upon a three-year average for these rate classes.
10 PNM discusses above why using a three-year average of CP demands is
11 appropriate for these rate classes.
12

13 **Q. HOW ARE DISTRIBUTION COSTS ALLOCATED FOR THIS RATE**
14 **CASE?**

15 **A.** The proposal allocates distribution substations, primary lines and secondary lines
16 to customer classes using the maximum non-coincident peak ("NCP") demands of
17 each class, at either primary or secondary voltage levels. The NARUC Manual
18 states that the NCP method "attempts to give recognition to the maximum demand
19 placed upon a system during the year by all customers" and "is based on the
20 theory that facilities are sized to meet these maximum demands."¹⁷ Because
21 distribution facilities serve a relatively localized area, they must be sized to meet
22 the maximum demands of each customer at any time. As such, the use of the

¹⁷ *Id.* at 80.