

Interpretation:	Prorating Shared DHW Equipment Tank Losses				
Designation:	IR 301-2022-001				
Approved:	nber 26, 2022 by RESNET SDC 300				
Effective Date:	October 2, 2022				
Reference:					
Standard Page Number Sections(s): Table(s): Relating to:	r(s):	ANSI/RESNET/ICC 301-2022			
Request from:					
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Background Statement: *Provided by person requesting the interpretation.*

Note (t) of Table 4.2.2(1) in Std 301-2022 includes this sentence:

• For a Rated Home with a shared storage water heater, its tank losses shall be divided by the number of Dwelling Units served by the water heater, prorated based on the number of Bedrooms, (Nbr).

Unfortunately, the last two clauses are confusing to parse. The final clause was added for the PDS-02 comment period; I speculate that it was intended to replace the preceding clause. This would have been part of a re-alignment for shared hot water generally; the preceding comment period changed how shared recirculation pump energy is prorated. In Std 301-2019, both shared water heating equipment and shared recirculation pumps



were prorated by the number of Dwelling Units served by each. For Std 301-2022, the recirculation pump language was revised to read this way:

• The recirculation pump kWh/y shall be pro-rated to a Dwelling Unit based on its number of Bedrooms relative to the total number of Bedrooms of all Dwelling Units served by the hot water recirculation system.

Proposed Interpretation: *Provided by person requesting the interpretation.*

The intention of Table 4.2.2(1) Note (t) is to mirror the language for the proration of recirculation pump energy.

I recommend Note (t) of Table 4.2.2(1) in Std 301-2022 be changed as follows:

• For a Rated Home with a shared storage water heater, its tank losses shall be prorated to a Dwelling Unit based on its number of Bedrooms relative to the total number of Bedrooms of all Dwelling Units served by the shared storage water heater.

SDC Response:

Is the proposed interpretation correct? _____ x___ Yes _____ No

SDC Comments:

We agree with the proposed interpretation, and will consider the recommended edit in Addendum C in 301-2022.