

- 1 **Q. (Reference Application, 2022 Capital Plan, page 26) It is stated “This includes load**
 2 **growth associated with the electrification of heating systems and the electrification of**
 3 **heating systems in provincial buildings.” Is the electrification of heating systems**
 4 **based on baseboard or heat pump conversions? Please provide a comparison of the**
 5 **forecast increases in load owing to electrification of heating systems to the forecast**
 6 **decreases in load owing to conversion off baseboard heating to heat pumps.**
 7
- 8 A. Newfoundland Power’s energy forecast includes increased energy sales for government
 9 buildings which will be converted from fuel-based heating systems to electric boiler or
 10 baseboard systems. Reductions in energy sales associated with residential heat pump
 11 installations are also reflected in the forecast.
 12
- 13 Table 1 provides a comparison of the forecast annual year over year increases in sales
 14 owing to electrification of heating systems to the forecast decreases in sales owing to
 15 conversion from baseboard heating to heat pumps.

Table 1
Forecast Year over Year Change in Annual Sales
(GWh)

| Year | Electrification of Heating Systems | Conversion from Baseboard Heating to Heat Pumps |
|-------|---------------------------------------|---|
| 2021F | 2.5 | -20 |
| 2022F | 4.1 | -20 |
| 2023F | 0.9 | -20 |
| 2024F | 6.7 | -12 |
| 2025F | - | -12 |
| 2026F | - | -12 |