PROJECT STATUS REPORT

Project Name	Rural Devon Primary School	**Reporting Period**
Hardware	Midea	13/01/2021 - 13/01/2023
Installed by	Pied Piper Educational Resources	

INSTALLATION

- 2 x 7kW split systems
- 2 x 3.5kW split systems
- 6 x 2.5kW via 2 x multi split condensers

SCHOOL LAYOUT

- 3 x classrooms
- Group Room
- Library
- Staff Room
- 2 x Offices
- 2 x Ancilliary Rooms

STATUS UPDATES

Reporting Method: half hourly meter readings over 2 years: 35040 readings

Energy usage before AC	Energy usage after AC	Energy Saving	Cost Saving	% saving*
45000+kWh **£15750**	17870 kWh **£6254.50**	27130kWh	**£9495.50**	60.28%

*The above statistics represent the total annual electricity bill for the school . If we assume that 75% of energy is used on heating, then the percentage saving is over 80%

Typical Daily Use (13/01/21)	Max demand (13/01/21)	Typical Daily Use (13/01/23)	Max demand (13/01/23)	Daily Saving
241.6 kWh	41.07 kW	112 kWh	15.58 kW	**£45.36**

CONCLUSIONS

The Remarkable Benefits of Installing Air Conditioning in a Small Rural School

The installation of air conditioning in this small school in Devon has resulted in staggering savings on heating costs. The school is now receiving an annual saving of over £9k, which is a very substantial percentage of their budget. Furthermore, the school has reduced its CO2 emissions by over 5 tonnes per year. Their investment has been recouped in less than 18 months, and over the life of the units (estimated at 15 years, but probably more), the school can expect to save over £130000. This huge amount of funding can now be used by the school to improve the quality of education for generations of students.