

## **Energy Management**

Across the entire organisation the Council's Energy Manager undertakes the following

- Update and reporting on Cavan County Council's Energy Reduction Targets
- Ensuring Cavan County Council's energy supply complies with the Office of Government Procurement national contracts.
- Establishing and maintain procedures to monitor energy consumption
- Providing guidance and advice on energy regulations and statutory requirements.
- Raising awareness to improve energy efficiency
- Encourage sustainable energy practices
- Support energy efficiency improvement projects

Cavan County Council's target is a 33% improvement in energy efficiency by 2020. Based on the PROVISIONAL Monitoring and Reporting submissions to SEAI for 2020, Cavan County Council has made a 27.8% improvement to energy efficiency since the baseline period of 2001-2005.

The Energy Manager reports the annual energy consumption and related data to the SEAI in accordance with deadlines imposed each year.

All electricity consumed by Cavan County Council is procured in accordance with the National Procurement Service tender and this is administered by the Energy Manager. Since June 2019, the electricity contract for non-domestic buildings is with *Energia* who supply nearly 60 sites operated by Cavan County Council which include office buildings, libraries, waste management facilities, recreational facilities, fire stations, museum, theatres, etc.

The Public Lighting electricity supply contract is also administered via the Office of Government Procurement with *Energia* supplying the electricity to the public lights under Cavan County Council's control. There are approximately 6600 public lights which have to be supplied with electricity (80% of energy cost) and have to be maintained (20% of energy cost). There is an existing public lighting maintenance contract in place with Airtricity Utility Solutions Ltd (AuS). Public lighting is the most

significant user of energy within Cavan County Council making up circa 41% of energy consumed.

Cavan County Councils energy consumption during 2020 which resulted in a spending of just under **€1.5 million** is detailed in the table below:

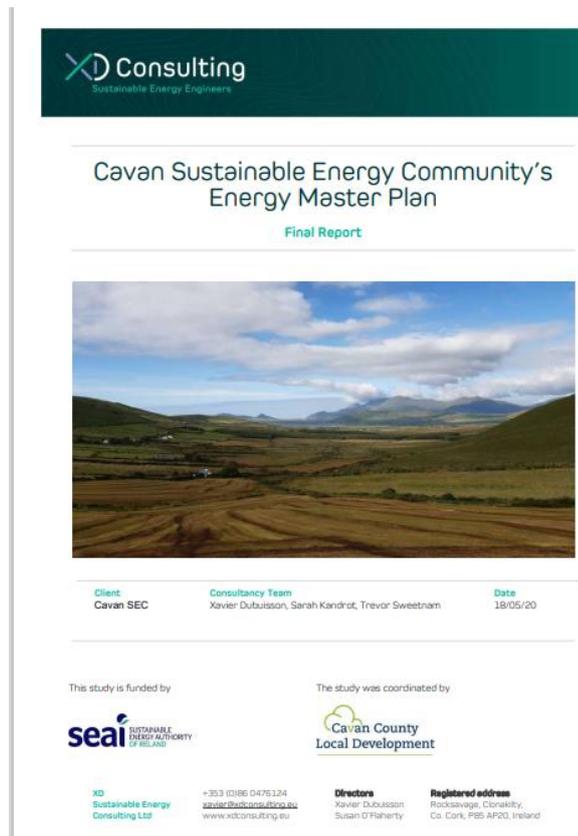
Energy Type		Energy Consumption (Total primary energy consumption)
		kWh
Electricity		<b>8,937,957</b>
Thermal		<b>672,931</b>
Transport		<b>2,635,624</b>
<b>Total Energy Consumed</b>		<b>12,246,512</b>

There was a reduction in electricity and thermal energy consumption during 2020 and an increase in transport energy consumption during 2020 based on a comparison with the 2019 data.

#### **Some of the Significant Energy Actions during 2020 include**

- Energy Monitoring and Reporting submitted in accordance with deadlines for 2019 energy consumed.
- National Energy Report issued in 2019 demonstrating Cavan County Council has achieved a 14.5% improvement in energy efficiency from the baseline.
- Cavan County Council Energy Engagement Strategy implemented.
  1. Monthly meter readings for headquarter buildings ongoing.
  2. Seasonal messages to staff regarding energy efficiency implemented.
  3. Energy actions circulated to all Heads of Section for inclusion in all Annual Service Delivery Plans/Business Plans. Establish and improve on procedure for monthly monitoring of energy usage
  4. Energy Team meetings held and associated actions ongoing.
  5. Ongoing monitoring of bills and ongoing requests for meter readings within CCC. Liaising with relevant staff re. payments/approval system ongoing.

- Ongoing engagement with Cavan Sustainable Energy Group – launch of Cavan Sustainable Energy Communities (SEC) Energy Masterplan.



- Creation of further Sustainable Energy Communities (SEC) across County Cavan. Belturbet SEC, East Cavan Energy Team, Kingscourt SEC and Cootehill SEC.
- Preliminary investigations at the swimming pool and leisure centre investigating potential for energy efficiency and savings at this site. Investigations also addressing potential business case for funding of necessary works.
- Energy upgrades by the Council's Housing Section on 90 of Cavan County Councils housing stock.
- Ongoing allocation of sites in accordance with the National Procurement Service winning tenders as new sites come online.
- 56% of public lighting stock upgraded to energy efficient LED lights.
- OPW Optimising People @ Work Programme launched in 2020
- Inputted into the EU funded Structural Reform Support Service (SRSS) process. The main objective of this significant body of work is to inform the development and implementation of a comprehensive building upgrade programme for Ireland's public sector buildings, bringing them to a Building Energy Rating (BER) of "B" by end 2030.

- Funding allocation (30%) by SEAI from Communities grant scheme towards public lighting project. (Savings of 25,735kWh)
- Input to Local Economic and Community Plan regarding energy activities, focus on linkages with SEC's.
- Liaise with Climate Action Regional Office (CARO) and the Climate Action Officer/Team. Regional Climate Action Local Authority Group (Monaghan, Cavan & Leitrim) established with climate/energy activities progressing from same.
- North East Energy Officer Network maintained in conjunction with SEAI appointed Public Sector Mentor.
- Contract with Bord Gais for gas supply adopted in accordance with OGP procurement procedures.

### **Actions Planned for 2021**

- Complete SEAI Energy Efficiency Performance Monitoring and Reporting for 2020 in accordance with deadlines imposed.
- Report on energy efficiency progress to Senior Management Team
- Liaise with OPW regarding Optimising Power at Work programme issues relating to smart metering installed on site.
- Ongoing Implementation of the energy engagement strategy.
- Raise staff awareness and improve energy efficiency using seasonal messages.
- Out of hours audits
- Review of monthly bills, compare & disseminate info
- Maintain procedure for monthly monitoring of energy usage
- Maintain procedure for frequent meter reads
- Maintain Energy Team Meetings & Actions.
- Support Community & Enterprise Section by providing information on all types of funding available for communities/groups/individuals.
- Cavan Sustainable Energy Committees – input to committee actions where possible, investigate opportunities for community grants and establish linkages to CCC projects
- Partner with roll out of climate action training to the SEC's including funding support.

- Liaise with SEAI and CARO to co-ordinate school events/workshops with primary & post primary schools in Cavan during Science Week.
- Public lighting upgrades – maintain progress with a target of 65% LED upgrades completed by year end 2021.
- Continue to allocate new sites in accordance with National Procurement Service winning tenders
- Progress the swimming pool and leisure centre energy efficiency project.
- Progress energy projects for 5 sites identified in conjunction with regional local authority climate action sub-group.
- Investigate further regional opportunities for energy saving and energy efficiency projects in conjunction with neighbouring local authorities.