



LOUDOUN COUNTY GOVERNMENT SUPPORT CENTER INTEGRATED ENERGY PLAN

The Loudoun County Government Support Center (LC-GSC) is situated on 672 acres alongside Sycolin Road, in the Town of Leesburg. The site includes facilities for public safety, fire/rescue training, bus maintenance & storage, adult and juvenile detention, special needs housing and military recruitment & training. An additional 20 buildings are planned to be completed within 6 years. These new buildings include office space, shops, warehousing, and the expansion of the Adult Detention Center and a new Juvenile Detention Center.

Key Framing Goals

- As a major public facility, the LC-GSC should be a platform for public outreach and awareness of effective energy solutions.
- Primary energy used by the site should be 40% less than the projected Base Case.
- Direct and indirect greenhouse gas emissions caused by the site should be at least 55% less than the projected Base Case.
- All Buildings on the site will have Energy and Greenhouse Gas Emissions Performance labeling.
- Energy supply recommendations should contribute to the clean and renewable energy targets of the County as a whole.

Recommendations

The Integrated Energy Plan recommends that the following steps be taken:

1. Invest in Intense Efficiency
2. Invest in District Heating & Cooling Supplied by Hybrid Energy Park.
3. Avoid Investment in On-Site CHP
4. Consider Investment in On-Site Solar PVP
5. Assign Full-Time Site Energy Manager
6. Develop a Planning and Procurement Approach to Meet the Intense Energy Scenario.
7. Develop a Comprehensive Range of Information on Implementing the IEP

LOUDOUN COUNTY ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT

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Check Us Out:



User Name: Green Loudoun

