



Solar at the Anchorage Regional Landfill

In 2022, a project installing a 50 kW solar array at the Anchorage Regional Landfill was completed. The ground mounted array is designed to offset the power demand of the landfill's leachate system. The installation is a qualifying facility, meaning it is designed to provide power 'behind the meter' and sells any excess energy to the grid. This means that it provides clean, renewable energy to power the pumps and fans processing the landfill's leachate.

Project Goals

1. Save money by reducing electrical bills
2. Meet the sustainability goals set out in the Anchorage Energy and Resiliency Plan and minimize environmental impact

Ongoing Topics

- Maintenance: Regular site clearing to ensure maximum production
- Connectivity: Tracking tracking on production and maintenance needs.

Fast Facts:

- 50 kW ground mounted solar array
- Project Completed: 2022
- Designed to supplement ~50% of the total annual power demand of the leachate system
- Total cost: \$186,800
- Partners: Alaska Solar, ACEP, MEA, SWS