

Play To Your Strengths

Understanding the needs and strengths of your community is essential to building a successful energy project.



Bringing Your Project to Life

We gather data on critical facilities, municipal infrastructure, and asset capabilities, put it on a map, and use it to make informed suggestions for projects that will work.

Let's talk

Community Mapping

Local community energy planning is not a one-size-fits-all solution. Where buildings and infrastructure are located, and how people work, live, and interact in these areas all impact the success of an initiative. We work with communities to identify areas of opportunity, as well as areas of potential efficiency and potential difficulty. Then we map it, creating a clear picture of the landscape, and make an informed decision on the most effective way to tackle your local energy initiative.



Critical Facilities

We seek to understand which facilities are crucial to your community.



Municipal Infrastructure

We take into consideration the orientation and location of utilities, essential buildings, city grids, schools and civic organizations.



Asset Capabilities

We account for a community's technical, financial and human institutions, and how they relate to each other.

A History of: Tailor Made

Customizing Programs That Work

Giving History an Update

The San Diego Natural History Museum is a large-scale building with unique energy needs. With several floors of human-occupancy space, an entire floor dedicated to reptile & amphibian specimen storage, and another to a rare book library, the building has to maintain several different climates at the same time. PEI partnered with the museum to outline their needs, define unique requirements, and recommend possible energy efficiency improvements. As a result, the museum made several upgrades, with remarkable results, and stands as a best-case example of how mapping critical facilities and infrastructure can set a project on course for success.

The RCx Program was critical to identifying and implementing the measures that have saved us almost \$50,000 in energy costs a year. Additionally, the Program kept our costs low, so this project will pay for itself in less than two years.

- George Brooks-Gonyer, Vice President, COO, CFO, San Diego NHM

Snapshot

160,000ft²

Building Size

536,377 kWh

// \$48,653

Annual Savings

- ↑ Building Performance
- ↑ Equipment Lifespan
- ↑ Indoor Air Quality

Building A Better Future

PEI partnered with energy leaders like Energy Trust of Oregon to perform design studies and map important data to spot opportunities and create a clear path to success. Through a Net Zero program, a building creates as much energy as it consumes in a year, through efficient systems and on-site renewable energy generation. With community partners, we worked on early design modeling, daylighting studies and design review, to get buildings to Net Zero. One such example is Hood River Middle School, in Oregon. In 2014, PEI helped them become the first public school in the US to achieve Net Zero status.

We can quantify the financial benefits of having a structure like this. But we also have these intangible benefits, this excitement, and this ability to have kids think about things they might not know exist.

- Brent Emmons, Principal, Hood River Middle School

Snapshot

5,600ft²

Music & Science Building Size

over 41,000 kWh

Renewable Energy Produced

92% *higher than code*

Efficiency

1

Years to achieve Net Zero usage

Partnering With PEI

By mapping infrastructure, along with civic and economic cornerstones, PEI addresses technical, social and geographic concerns, while keeping stakeholders informed and engaging the community and its workforce.

Discover the possibilities in your community; visit peci.org today.

