

V-TECH has developed E2DR®, a sophisticated software product suite that enables utility industry companies to implement, track and manage demand-side management program portfolios consisting of energy efficiency, demand response and renewable energy programs. V-TECH's software products and services enable our customers to use customized software applications to reduce overall costs, launch programs faster, improve management visibility and increase program effectiveness, all with no additional impact on their internal IT systems. V-TECH has a proven track record with a variety of industry clients. **With E2DR, our clients have managed over \$500 Million of DSM programs and reported 3 Billion kWh and over 1,800 MW of savings.**

V-TECH has a proven track record in providing monitoring, tracking and reporting services for not just solar photovoltaic systems, but for multiple renewable technologies, such as wind, solar, hydro, and other distributed generation sources. This expertise is reflected in our DataSiteRE™ product module which is focused on providing an integrated, Web-based access to comprehensive renewable energy data, along with related reporting and analytics. Clients can see real-time generation performance as well as historical data. What makes this so unique is scalability. Coverage can range from a single city to an entire service territory or even nationwide. Information can be presented as a summary overview or site by site details. Data can be received from residential installations, commercial facilities or utility scale sites and can be from any renewable resource (solar, geothermal, wind, etc).

Key features offered by our DataSiteRE product module include:

- Dedicated online repository for renewable energy information.
- Track and report on equipment located in multiple facilities via this integrated platform eliminating issues caused by scattered data in inconsistent formats.
- Out-of-the-box support for a wide variety of renewable energy technologies and systems.
- Easily track residential installations, commercial facilities and utility scale sites.
- Readily scale from single installation to city-wide systems to entire state or nationwide coverage.
- Enables reporting of real-time generation performance as well as historical analytics.
- Track and report on hourly, daily and monthly performance statistics.
- Data can be readily grouped by facilities, renewable technology type or geographic regions to match customizable reporting requirements.
- Readily customizable reports to meet targeted compliance reporting requirements.
- Can be customized to provide performance diagnostics, service alerts and targeted emails to stakeholders on specified fault conditions.
- Customizable *role-based access* to data and reports.
- *No* hardware or software investment: *just* Web access.
- Cloud-based solution that is secure, reliable, and available 24/7.
- Simple, straightforward pricing: no additional fees based on number of users, facilities, or emission equipment.
- Hosted in a SAS 70 Type II certified facility, with multiple direct carrier connections to the Internet, a managed firewall and backup service, and compliance with HIPPA, SOX, FISMA, and GLBA.

(Over)



- Home
- News Room
- Education
 - Biomass
 - Fuel Cells
 - Geothermal
 - Micro-Turbines
 - Photovoltaic
 - Wind-Turbines
- Explorer
- Vendor Center
- Contractors
- About Us
- Contact
- Site Map
- Links
- Search
- Login
- Disclaimer

Explorer » Nevada » Clark County » Solar » Photovoltaic

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Installations

Select a site from the list below to view more details about that site.

Photo available Performance data available

Technology Type	Market	Site Name	City	State	Zip	Installed KW
Photovoltaic	Schools	Edna Hinman Elementary School	Henderson	NV	89015	12.58
Photovoltaic	Schools	Hinman Elementary	Henderson	NV	89015	12.50
Photovoltaic	Schools	Vanderburg Elementary School	Henderson	NV	89012	1.32
Photovoltaic	Schools	Clyde Cox Elementary School	Las Vegas	NV	89115	12.89
Photovoltaic	Schools	Fertitta School	Las Vegas	NV	89148	1.65
Photovoltaic	Schools	Frank Kim Elementary School	Las Vegas	NV	89147	12.89
Photovoltaic	Schools	Hyde Park Middle School	Las Vegas	NV	89107	1.98
Photovoltaic	Schools	Ruthe Deskin Elementary	Las Vegas	NV	89129	12.58
Photovoltaic	Commercial	Your Vitamins, Inc	Henderson	NV	89015	214.50
Photovoltaic	Commercial	IBEW	Las Vegas	NV	89111	7.57
Photovoltaic	Commercial	NPC Pearson	Las Vegas	NV	89146	12.00
Photovoltaic	Commercial	UNLV PV1	Las Vegas	NV	89154	18.00
Photovoltaic	Public Buildings	Reginal Animal Campus or Animal Foundation	Las Vegas	NV	89101	30.00
Photovoltaic	Public Buildings	Reginal Animal Campus or Animal Foundation	Las Vegas	NV	89101	6.14
Photovoltaic	Public Buildings	UNR Cooperative Extension	Las Vegas	NV	89123	33.28

Sample Screen View of Countywide Summary Report
 Provides a summary of system highlights from photovoltaic solar systems located in a singly county.

- Home
- News Room
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 - Photovoltaic
 - Wind-Turbines
- Explorer
- Vendor Center
- Contractors
- About Us
- Contact
- Site Map
- Links
- Search
- Logout
- Disclaimer

Hyde Park Middle School

Explorer » Nevada » Solar » Photovoltaic » Hyde Park Middle School

Site Information



Technology Type
Photovoltaic
Location
Las Vegas, NV 89107

Site Market Type
Schools
Installed kW
1.980

Click to see the full size image.

Additional Info Performance Data

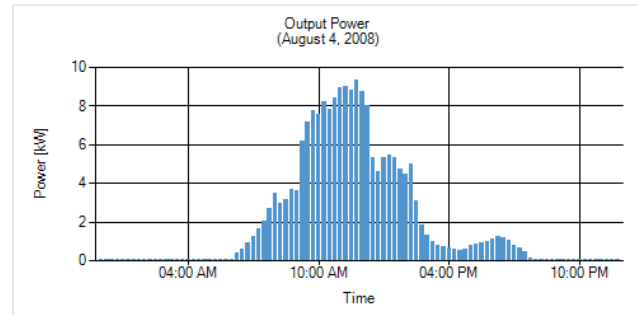
Report Type
Daily Output Power

Select Date
« August 2008 »

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

View Report

Daily Output Power



Sample Screen View of Performance Data from Single Site

Provides dynamic view of daily power output [report type and date are selectable using drop down and calendar menus.