

# Marina High School

## Energizing Student Success



As part of larger District-wide program, Marina High School will install solar shade photovoltaic (PV) structures to provide coverage to vehicles while generating clean electricity.

District and school staff are eager to break ground on this exciting new project that will bring many learning opportunities for students, deliver ongoing energy, and improve the learning environment for many years to come.

Construction will commence this Summer on PV structures. Marina High School will remain open during the entire construction period, with operation expected in December 2019.

We apologize for the temporary inconvenience during construction, but we are confident that these new improvements will be well worth the wait. Thank you for your cooperation and understanding during this modernization.

### What you need to know

#### Parking

For this site, temporary closures are planned to occur between July 22, 2019 and November 29, 2019. Actual dates may vary, based on student activities, weather, and other variables common to all construction projects. HBUHSD will provide additional information for alternative parking accommodations prior to start of installation.

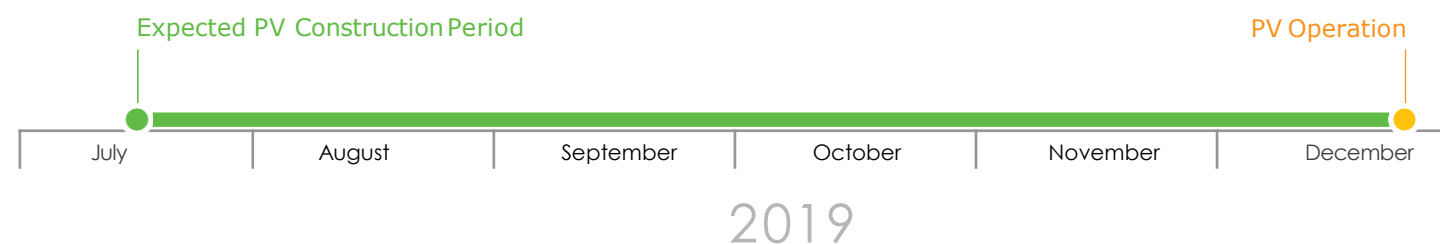
#### Utility Disruption

Telephone, electrical, cable TV and gas services should not be affected by this project during work hours, barring any unforeseen circumstances.

#### Noise

There will be standard construction noise during work hours limited to the areas near solar shade structures.

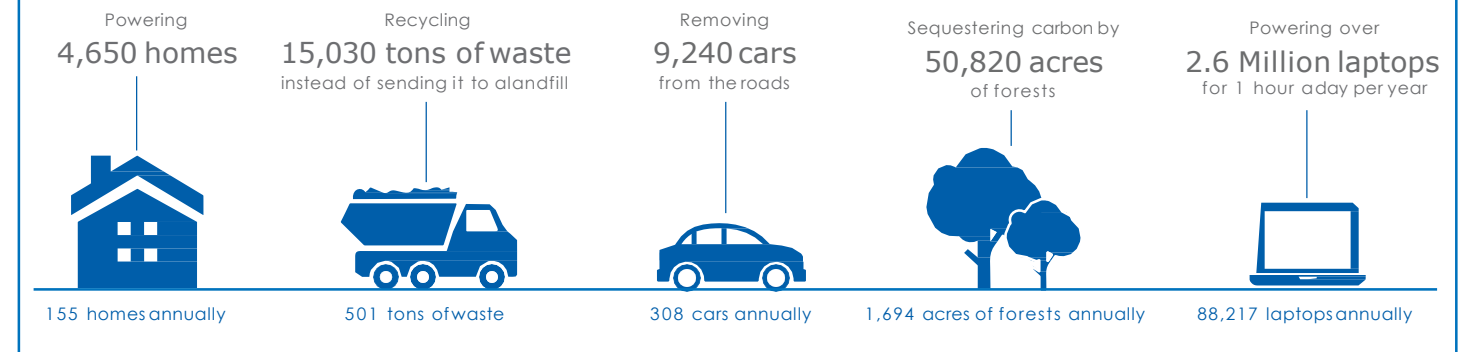
### Marina High School Project Timeline



(Continued on the back)

### Long-Term Environmental Stewardship

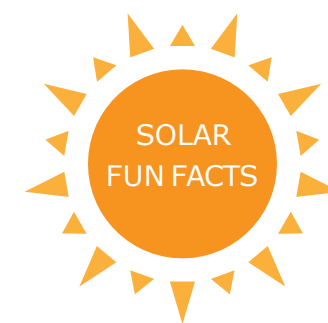
Over 30 years, the carbon emissions reduced as a result of the upgrades at Marina High School are equivalent to:



### 3 Dimensions of Impact Across HBUHSD

HBUHSD is excited to install clean energy technology at all schools across the District. Through ongoing work like the Marina High School solar project, our new partnership with ENGIE will generate three dimensions of impact for the environment, our budget, and our broader community:

<p><b>Environmental</b></p> <p>Upgrades that enhance energy technology with conservation principles promote sustainability across HBUHSD. The program will help the District build notable achievements:</p> <ul style="list-style-type: none"> <li>Reduce carbon emissions equivalent to removing 2,050 cars from the roads per year</li> <li>Harness the power of the sun through 7.7 MW of photovoltaics installed across the District</li> </ul>	<p><b>Economic</b></p> <p>HBUHSD's new sustainable energy program supports our ongoing commitment to fiscal stewardship. The District-wide program will accomplish the following:</p> <ul style="list-style-type: none"> <li>Fixed electricity rates will not be susceptible to fluctuating prices for over 25 years</li> </ul>	<p><b>Human</b></p> <p>Campus modernization activities will directly integrate STEAM learning opportunities throughout the District, cementing sustainable energy as a mainstay of HBUHSD's curriculum. Education activities will include:</p> <ul style="list-style-type: none"> <li>Online dashboards stream building data and link energy production to the classroom, transforming each campus into a living laboratory for students and teachers</li> <li>NGSS-linked Professional Development sessions</li> <li>Teacher externships with ENGIE that explore the energy industry</li> </ul>
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- In 1921 the Nobel Prize in Physics was awarded to Albert Einstein for experiments with solar power and the discovery of the photoelectric effect.
- Light that comes from the Sun takes approximately 8 minutes and 20 seconds to hit the Earth.
- Solar energy systems require little maintenance and last several decades.
- California dominates the U.S. solar market, with over 22,000 MW of cumulative solar capacity as of 2018.
- The solar industry is creating jobs six times faster than the overall job market.

For more information visit [www.hbuhsd.edu](http://www.hbuhsd.edu)

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