

Media Release

Sentosa embarks on large-scale deployment of photovoltaic cells to harness solar energy

- *Sentosa Development Corporation and Resorts World Sentosa are stepping up their decarbonisation efforts, leveraging underutilised spaces to harness solar energy in the first major renewable energy milestone of the Sustainable Sentosa strategic roadmap*
- *The SDC tender marks the first time in Singapore that rooftops with varying tenures will be consolidated into a single tender, making it commercially viable for such spaces to be leveraged for solar energy*
- *Sentosa targets to power 10% of island's electricity usage through onsite renewable energy by 2030, with more renewable solutions to be studied and installed progressively*

Singapore, 15 June 2022 – Sentosa Development Corporation (SDC) and Resorts World Sentosa (RWS) are embarking on a large-scale deployment of photovoltaic cells to harness solar energy across Sentosa island's premises from June 2022. Comprising the installation of solar panels at a new batch of 18 sites across the resort island, the deployment marks the first major renewable energy milestone under the refreshed Sustainable Sentosa strategic roadmap launched in September 2021, under which the Sentosa community has committed to becoming a carbon neutral destination by 2030 and a globally recognised, certified sustainable tourism destination.

As part of the deployment, SDC is launching a tender today for the installation of photovoltaic cells, marking the first time that rooftops with varying tenures are being consolidated into a single tender in Singapore. Comprising seven sites at locations such as Palawan Kidz City, Beach Station, as well as the three Sentosa Line cable car stations, the consolidation will strengthen the tender's commercial viability, with more spaces activated for solar energy generation. Under this tender, tenure refers to the duration that each rooftop is available for photovoltaic cell installations, based on considerations such as development and renovation plans for each building. Locations were selected after taking into account the availability of sufficient sunlight and an unobstructed guest experience.

Separately, RWS will begin the installation of new photovoltaic cells this month at 11 sites on its premises including Universal Studios Singapore and Hard Rock Hotel Singapore's rooftops. These 11 new sites, along with an additional site at RWS's warehouse at Pandan Green Gardens, will quadruple RWS's existing solar network which already hosts one of the largest solar photovoltaic systems in Singapore's hospitality sector. The new installation is part of RWS's Sustainability Master Plan and decarbonisation strategy, as it advances its efforts to drive sustainable tourism.

Collectively, the solar panels at the 18 new sites will cover about 2.5 hectares, with a solar capacity of 3.094 megawatt-peak (MWp) that can produce 3,871,500 kilowatt-hours (kWh) of clean energy annually when fully installed by 2023. This will result in an overall reduction of 1,643 tCO₂ per year,

which is equivalent to the carbon generated by 60,000 hotel room nights. The list of locations where solar photovoltaic cells will be installed from June 2022 can be found in **Annex A**.

As part of the Sustainable Sentosa strategic roadmap, SDC is also studying other sources of renewable energy, including tidal energy and waste-to-energy generators as part of long-term strategies to achieve carbon neutrality. Small-scale pilots are currently being explored with the view to scaling these solutions for mass deployment should the trials prove successful. Overall, Sentosa targets to power 10% of the island's electricity usage through onsite renewable energy by 2030.

Ms Thien Kwee Eng, Chief Executive Officer, SDC, said, "Solar is one of the most viable renewable sources of energy for Sentosa and Singapore. However, one challenge is how precincts can optimise underutilised spaces to harness the potential of solar energy. The deployment of photovoltaic cells across Sentosa's establishments through a consolidated approach, comprising different rooftops with varying sizes and tenures, is an illustration of how we can collaborate as a business ecosystem to tap on such opportunities. Using this approach, the initiative will take us one step further towards being a sustainable leisure destination with a lower carbon footprint."

Mr Tan Hee Teck, Chief Executive Officer, RWS, said, "There is much to look forward to in Sentosa's future as the precinct makes a collective effort to embrace sustainability. Transitioning to renewable energy is an important means to combat climate change and forms an integral part of RWS's decarbonisation strategy. Our aim is to accelerate our transition to next generation renewable energy which includes solar, wind, tidal and kinetic energy through applied research and test-bedding at RWS, which will then be adapted for scalability across a variety of environments within our resort. This will all culminate towards RWS's goal of achieving carbon neutrality by 2030."

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About Sentosa

Sentosa is Asia's leading leisure destination and Singapore's premier island resort getaway, located within 15 minutes from the central business and shopping districts. The island resort is managed by Sentosa Development Corporation, which works with various stakeholders in overseeing property investments, attractions development, and operation of the various leisure offerings and management of the residential precinct on the island.

The 500-hectare island resort is home to an exciting array of themed attractions, award-winning spa retreats, lush rainforests, golden sandy beaches, resort accommodations, world-renowned golf courses, a deep-water yachting marina and luxurious residences – making Sentosa a vibrant island resort for business and leisure. Making Sentosa its home, too, is Singapore's first integrated resort, Resorts World Sentosa, which operates South East Asia's first Universal Studios theme park.

Situated on the eastern end of Sentosa Island is Sentosa Cove, an exclusive oceanfront and residential enclave bustling with some 2,000 homes, romantic quayside restaurants, retail and specialty shops. The Island is also proud to be home to Sentosa Golf Club and its two acclaimed golf courses, The Serapong and The Tanjong. Sentosa Golf Club hosts the SMBC Singapore Open and the HSBC Women's World Championship, featuring some of the world's best golf professionals.

Welcoming a growing number of local and international guests every year, Sentosa is an integral part of Singapore's goal to be a global destination to work, live and play. For more information, please visit: www.sentosa.com.sg.

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Annex A

Upcoming solar installation locations in Sentosa

1. Sentosa Development Corporation Office and Workshop
2. Beach Station
3. Sentosa Line cable car station – Merlion
4. Sentosa Line cable car station – Imbiah Lookout
5. Sentosa Line cable car station – Siloso Point
6. Palawan Kidz City
7. Sentosa Development Corporation Nursery
8. Universal Studios Singapore – Pantages Hollywood Theater
9. Universal Studios Singapore – Lights, Camera, Action! Hosted by Steven Spielberg
10. Universal Studios Singapore – Revenge of the Mummy
11. Universal Studios Singapore – Sound Stage 28
12. Universal Studios Singapore – Sesame Street Spaghetti Space Chase
13. Universal Studios Singapore – TRANSFORMERS The Ride: The Ultimate 3D Battle
14. Universal Studios Singapore – Back of House Area
15. Universal Studios Singapore – Hollywood Arcade
16. Universal Studios Singapore – Mel's Drive-In
17. Universal Studios Singapore – Shrek 4-D Adventure
18. Hard Rock Hotel Singapore