SPARK FOUNDATION WATER STEWARDSHIP AGENDA 2018 – 2020
Watershed health protection through reforestation effort at Raja Musa Peat Swamp Forest to manage climate change impact

FACTS ABOUT SPARK WATER PROJECT

Protecting water resources in Malaysia since **2007** through river rehabilitation and alternative potable water supply solution programmes nationwide.

Rehabilitated **5** rivers in Selangor and Perak.
Built **8** alternative water solutions in Sabah and Selangor.

40,000 Malaysians reached and engaged through our education outreach and rehabilitation programmes.

Committed **RM11 million till 2020** to protect our water resources through strategic collaborations and high-impact projects.

HIGH-IMPACT COLLABORATION

REFORESTING ONE HECTARE OF DEGRADED PEATLAND

1 HECTARE 600 TREES

- Effective flood and draught mitigation method during extreme weather conditions.
- Holds 2,000 tonne of soil carbon, which offsets carbon emissions from 1,400 cars annually.
- Regulates earth temperature and air quality.

CONSTRUCTION OF A 300-METER CLAY DYKE

LENGTH: 300 METER
DEPTH: 5 METER
WIDTH: 1.5 METER

- Innovative water retention method as peat is replaced with clay to avoid surface and subsurface water seepages.
- High water table increases natural forestation that supports biodiversity and wildlife habitat.
- Effective fire prevention method due to increased moisture on land and reduced need to put off fire.

OUTCOME BASED ON DATAPOINTS

+ 200 MILLION litres of water stored annually

Sustains long-term water supply by supporting **SUNGAI SELANGOR WATER SUPPLY SCHEME** that provides water to more than 60% Klang Valley users.

Offsets **2,000 TONNE** of soil carbon equivalent to emissions from **1,400 CARS ANNUALLY**

Peat swamp forest is an important ecosystem for the environment, economy and the surrounding communities.
Restoration of peatland supports long-term water supply function and reduces the risk of water shortages, especially in Selangor.
#BETHESPARKNOW

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11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
15 LIFE ON LAND
17 PARTNERSHIPS FOR THE GOALS