KUASAI. LAKSANA. UNGGULI
Own It. Do It. Ace It
73 INITIATIVES

20 ENERGY SECTOR

22 SCIENCE, TECHNOLOGY & INNOVATION (STI) SECTOR

20 ENVIRONMENT & CLIMATE CHANGE SECTOR

5 ORGANISATIONAL EXCELLENCE

6 STRATEGIC ISSUES

MORE THAN

150 PLAN OF ACTION
ENERGY SECTOR

- Achieving 20% Renewable Energy (RE) in 2025
- Achieving 8% Saving from Energy Efficiency (EE) in 2025
- Enhancing Governance of Malaysia Electricity Supply Industry (MESI)
- Ensuring Sustainability of Sabah Electricity Supply Industry (SESI)

SCIENCE, TECHNOLOGY & INNOVATION (STI) SECTOR

- Communicating MESTECC
- Promoting STI
- Strengthening Governance
- Consolidating the Ecosystem
- Streamlining R&D Initiatives
- Improving Delivery

ENVIRONMENT & CLIMATE CHANGE SECTOR

- Strengthening Enforcement
- Improving Engagement
- Cultivating Education
- Tackling Climate Change

ORGANISATIONAL EXCELLENCE

- Embedding Values into Culture
- Superior Employee Experience
- High Potential Development

STRATEGIC ISSUES

- Publicity & Communication
- Service Delivery
- Public Satisfaction
MESTECC 2019

ENERGY SECTOR

1. Achieving 20% Renewable Energy (RE) Capacity Mix by 2025
   - 1.1 Achieving 2019 RE Target
   - 1.2 Implementing Enhanced Net Energy Metering (NEM) and Solar Leasing
   - 1.3 Implementing Large Scale Solar Programme (3 LSSP)
   - 1.4 Implementing Non-Solar RE Projects
   - 1.5 Establishing RE Facilities Programmes in Sustainable Energy Development Authority Malaysia (SEDA)
   - 1.6 Enabling Greater Access to Renewable Energy Sources

2. Achieving 8% Savings from Energy Efficiency by 2023
   - 2.1 Expanding the Implementation of the National Energy Efficiency Action Plan (NEEAP)
   - 2.2 Drafting the Energy Efficiency and Conservation Act (EECA)
   - 2.3 Raising Greater Awareness through Promotional Campaigns and Recognition

3. Enhancing Governance of Malaysia Electricity Supply Industry (Mesi)
   - 3.1 Strengthening System Stability and Enforcement of Service Levels
   - 3.2 Optimising the Structure of Mesi
   - 3.3 Improving Compliance and Disciplinary Regulations with TNB
   - 3.4 Reviewing the Customer Connection Charges (CCC) Guidelines
   - 3.5 Ensuring Reasonable and Competitive Tariffs
   - 3.6 Strengthening the Grid
   - 3.7 Optimising the Reserve Margin

4. Ensuring Sustainablity of Ensuring Sustainability of Sabah Electricity Supply Industry (SESI)
   - 4.1 Improving SEES’s Ownership Structure
   - 4.2 Improving System Reliability in Sabah
   - 4.3 Improving System Average Interruption Duration Index (SAIDI) in Sector 1 to 200 min / year / customer
   - 4.4 Planning for Micro Grid Frameworks and Project Monitoring for Sabah Rural Electrification

SCIENCE, TECHNOLOGY & INNOVATION (STD) SECTOR

1. Communicating MESTECC
   - 1.1 Improving Targeted Communications with MESTECC Policies
   - 1.2 Promoting Zero-Single Use Plastic

2. Promoting STI
   - 2.1 Improving Access to Participation of National Science Week
   - 2.2 Expanding STF Education in Schools

3. Strengthening Governance
   - 3.1 Streamlining Agencies Towards MESTECC’s Current Direction
   - 3.2 Updating Technical Documents on Nama Safety
   - 3.3 Tracking of Acts & Policies

4. Consolidating the STF Ecosystem
   - 4.1 Developing Higher Education-Industry Centres of Excellence (HEICEXEs)
   - 4.2 Sharing of Researchers with Industry
   - 4.3 Opening Access to Ministry Data and Equipment
   - 4.4 Funding Local Kompang Technology
   - 4.5 Developing Commercialization Centres and Incubator Spaces for Technopreneurs
   - 4.6 Establishing Technology Transfer
   - 4.7 Implementing incubators and Co-working Spaces for Technopreneur Development
   - 4.8 Strengthening Science Industrial Parks

5. Streamlining R&D Initiatives
   - 5.1 Improving Research Funding Through MiBio RMA
   - 5.2 Restructuring Funding Agencies

6. Improving Delivery
   - 6.1 Developing Greater Utilisation of Biological Resources
   - 6.2 Green Economy
   - 6.3 Encouraging and Identifying Strategic Research Areas
   - 6.4 Identifying Strategic and Emerging Technologies
   - 6.5 Promoting Co-Innovation

ORGANISATIONAL EXCELLENCE

1. Embedding Values into Culture
2. Creating Superior Employee Experience
   - 2.1 Generating High Performance Culture
   - 2.2 Refining Talent Development
3. Encouraging High Potential Development
   - 3.1 Enabling Top Level Exposure
   - 3.2 Engaging with The Industry

ENVIRONMENT & CLIMATE CHANGE SECTOR

1. Strengthening Enforcement
   - 1.1 Increasing Enforcement Action
   - 1.2 Implementing John Seda Open Burning Action Plan
   - 1.3 Improving EA Process
   - 1.4 Strengthening Existing Delegations of Power-related Orders
   - 1.5 Implementing Law Reform - Environmental Protection Act (EPA)
   - 1.6 Increasing Clean Air Regulations 20% Compliance
   - 1.7 Implementing New Mechanism of Scheduled E-waste
   - 1.8 Establishing Procedures for Application of Licence of Authorized Automotive Treatment Facilities (AATF)

2. Improving Engagement
   - 2.1 Engaging Industry Program – Environmental Sustainability Manager
   - 2.2 Enhancing Conservation of SDG Compliance
   - 2.3 Empowering Environmental Sustainability Managers Through Nudge Approach

3. Cultivating Education
   - 3.1 Aiding Environmental Programmes
   - 3.2 Spearheading an International Voice for Environmental and Climate Justice (Plastic Pollution)

4. Tackling Climate Change
   - 4.1 Establishing a National Climate Change Centre (NCCC)
   - 4.2 Developing Mitigation & Adaptation Plans for Climate Change
   - 4.3 Implementing 2050 Carbon Calculator
   - 4.4 Strengthening National Capacity for Effective Implementation of The Paris Agreement
   - 4.5 Drafting Climate Change Act 2021 Bill
   - 4.6 Working with NAGMA to Enhance Readiness and Improve Early Warning and Response to Potential Natural Disasters
   - 4.7 Enhancing R Us Forecasting Tool for Disaster Alert

5. Strategic Issues
   - 5.1 Establishing Research Team for All Cabinet Papers
   - 5.2 Reducing Bureaucracy For Companies Dealing With Our Agencies
   - 5.3 Increasing Customer Satisfaction Throughout Agencies
   - 5.4 Publishing Weekly Videos/ Press Conferences/Media Statements on MESTECC Policies/Initiatives
   - 5.5 Engaging with MPS and State Assemblies in Policies/Issues
   - 5.6 Refining Media Engagement