Plans for Policy Implementation in 2017

Department of Environmental Protection

I. Vision

Make Taipei a livable and sustainable city.

II. Mission

Protect the environment and protect the public health.

III. Strategies

1. Carbon Reduction and international cooperation:

   Reduce the energy consumption and enhance the tenacity against the extreme weather and the ability of recovery after a disaster. Build a green and livable environment. Execute Taipei Green House Gas Control Action Plan. Promote businesses and citizens to implement energy conservation and carbon reduction. Financially help citizens to buy electric scooters and bicycles, promote eco-friendly cars and public transportation. Further, promote institutions and schools under Taipei City government's jurisdiction to conserve energy and provide advice as well as supervise them to adopt energy conservation measures. Strengthen cooperation with international environmental organization and model cities on environmental protection policies and technical exchanges. Make Taipei a low-carbon and sustainable city.

2. Clean Air, Healthiness, and Happiness:

   Execute Taipei Clean Air Action plan with two main objectives that are cross district actions and complete surveillances. The plan aims to set up management strategies based on the characteristics and current status from Taipei's mobile, stationary and diffusing polluting sources. The action plan consists of three main targets with ten execution plans. They are setting up low carbon emission zone, replacing old diesel car, promoting electrical buses, replacing and banning 2-stroke motorcycles, suggesting EPA to raise the standards for the exhaust gas of older vehicles and renew the laws, strengthening the boiler sulfur oxide emission standards, increasing the inspection frequency on the gas station gas recovery system, setting up the food industry pollution management autonomy regulations, introducing small sweeping street car to increase street cleaning efficiency. The main goal for 2017 is to have more than 59.5% of the whole year to have good air quality (PSI <=50) and PM2.5 (fine particulate matter) concentration less than 18.0 microgram/square meter. After all, we will also manage the public building indoor air quality with varies promotion and check up

in order to provide a healthy and safe environment to the citizens.

3. Incineration Reduction and Upgrades:

   Incinerate garbage appropriately, classify the general waste and process them separately and manage the general routine waste. Continually implement not only the waste reduction measures such as Per-Bag Trash Collection Fee and household kitchen waste recycling but also the resource recovery measures like the renewal of old furniture and reuse of incinerator bottom ash, kitchen waste, and ditch mud. Be kind to the neighbor, manage the pollution prevention well, give feedback to the neighbor, maintain the facilities in the neighborhood, and make residents agree to live with incineration plants and landfills. Reinforce the inspection of both the processing of routine waste and the classification. Prevent polluting routine waste, nonflammable waste and the waste that is not approved by the incineration plant from stowing away. Implement the garbage classification, recycling, and the garbage reduction. Plan to implement the incineration function enhancement and the pollutant reduction project at the Muzha Refuse Incineration Plant, and the Beitou Refuse Incineration Plant in order to ensure the proper garbage processing.

4. Electricity Generation from Kitchen Waste:

   Enhance the educational promotion, recycle the kitchen waste and market organic waste properly, and increase the percentage of making domestic kitchen waste and the market organic waste as forage. Enhance the ability to turn the waste into soil conditioner and liquid fertilizer in every incineration plant of Taipei. Commission qualified factories to process the waste that exceeds the capacity of incineration plant of Environmental Protection Department. Finish the evaluation of the feasibility of building the biomass power plant in Taipei. Decide an operation manner, optimization technique and the place of the plant. Plan the construction and evaluate the environmental impact assessment. Build the first large biomass power plant in Taiwan. Construct the biomass recycling. Resolve the kitchen waste problem and turn it into energy. On the other hand, to prevent wholesale and foodservice operators' organic wastes flow into the public, we ask them to follow wastes sorting and declare their wastes, and it's downstream status online through execution order and onsite inspections to lower the probability of wrongdoing and strengthen food safety. Supervise the processing of the cooking oil waste more strictly, implement the Three Level Inspection with the Department of Health, and prevent environmental pollution and ensure the food safety.

5. Cleaning Tamsui River:

   Reinforce the cooperation between Taipei City and New Taipei City in order to

clean up Tamsui River. In addition to the Sewage Systems Office's efforts in constructing and improving the sewage system, supervise the inspection of industrial sewage and community sewage so that system agrees with the Water Pollution Control Act. Improve the water quality through ecological engineering methods, which are implemented for the operation and maintenance of the artificial wetlands in Guandu Park. Hold and promote the activities of cleaning rivers, and encourage citizens to enjoy clean rivers and to keep them clean together. Also strengthen the management of drinking water by inspecting water pipeline and drinking fountains water qualities in schools, stations, and other areas in order to maintain water safety.

6. Public Nuisance Prevention:
   Implement the plan of "Three Strikes Law" and keep track of the projects that are reported multiple times. Make the nuisance sources improve and discipline themselves by means of educational promotion, supervision, and punishment in order to eradicate the nuisances for residents. Enforce the rules against the night construction and any other nuisances. For those frequent constructions or business area providing karaoke services that are often complained by the citizens, enforcement on site and frequent inspections will be implemented. Supervise the night construction with the Taipei City Construction Management Office in order to eliminate the noise pollution. For the noise complaints caused by the customized vehicles, scientific is implemented through loud noise vehicles camera system to increase enforcement efficiency and keep the neighbor quiet. Categorize enforcement zone into four zones with 2 inspection points for zone 1 &4 and 4 inspections points at zone 2 & 3. DEP will inspect routinely at the inspection zone and roads to maintain a quiet environment in the city.
7. Recycling:
   Searching for the recycling techniques of all kinds of materials and expand the types of recycling materials and increase recycling efficiency through visualization and pictures. Prohibit the use of melamine tableware in the officials and schools. Enhance the promotion of waste classification in order to reduce the amount of garbage. Gradually increase the profit of recycling of our cleaning team. Supervise the companies to maintain the cleanliness of waste storage site and to report the amount of recycling. Continually hold the furniture recycling workshop. In addition to refurbishment and selling, cooperate with the Department of Social Welfare and the Council of Indigenous Peoples and give away the refurbished furniture freely to the disadvantaged families. Also, cooperate with New Taipei City Government to refurbish the furniture in New Taipei City. After refurbishing the furniture for New Taipei City, give them 80% of the furniture and keep 20% of

the furniture with us. Increase the number of book donation sites of Yan Hui Library. Maintain the function of Yan Hui Library Cloud in order to allow citizens in other cities to search for, borrow and donate books. Build a city with a circular economy.

8. The Cleanliness of Public Toilets and Better Service:
   Increase the inspection frequency for public toilets, especially the portable toilets at riverside, markets, and parks which are reported by citizens very often. Keep track of the dirty ones and request cleaning teams to clean them. Implement the plan and the prohibition. Evaluate public toilets and reward the best ones in public to enhance the quality of the public toilets. Implement Taipei Toilet Plus program. The program was modified in 2017 to categorize those toilets with seat cleaner and seat liner to be excellent level. Set up Taipei Toilet Plus web page on the DEP front page and provide instructions and files for public toilet managements to use. List of toilets is posted online and updated monthly. DEP keeps updating and follow up with the statistics on implementation for future direction.
9. City Clean up:
   Implement better services for the waste collection to create a more convenient, friendly and safe waste collection environment and make cleaning and recycling more convenient. Strengthen city cleanup, remove illegal ad posts and inspect environment with enforcement. At the same time, update the trash cans at the pedestrian street and increase removal frequency to prevent trash overflowing for a clean and comfortable living environment. On the other hand, DEP improves ditches cleanup method by visualizing it with the ditches maps and model it with the flooding prevention system to better prevent flooding by cleaning it beforehand. DEP also strengthens vector controls by spreading vector agents to prevent Dengue fever and provide a safer environment.
10. Environmental Assessment and Supervision:
    Implement the environmental assessment and supervision of large construction in Taipei according to the Environmental Impact Assessment Act. Request development organization to follow the result of the environmental assessment and the commitment in the environmental assessment document. According to Taipei environmental evaluation rules, large development plans should follow the guideline on green building, solar panels set-up, greening, water retention and rainwater recycling. Prevent and mitigate the environmental impact of constructions to protect the environment and achieve the goal of sustainable development.