



Citizenship Up Waste Down, Clean Jeju!

✓ Motivation for

The Clean House (policies about waste disposal sites) will be changed by fasten days and hours.

The newly changed Clean House policy has continuously been promoted through broadcast, newspaper ad and paper advertisement.

The main content is that until now, we have discarded recyclable waste regardless of day and time, but now we need to consider the day and time. On cleaning day, I helped my parents to clean and went to Clean House to take out the garbage.

However, the Clean House was so dirty that it didn't look like a 'clean' house.

There were people who just put contaminated plastic bag in battery bin or (fluorescent) lamp recycling box, and some even left it. Furthermore, garbage were not properly recycled so that the volunteers had to [redo the recycling / do the recycling again].

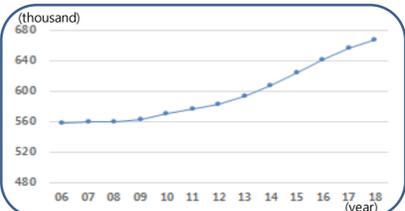
Clean House is an important policy that are indispensable for our lives.

When having a look around it, however, I found there could be some inconveniences for citizens as well as for Jeju provincial, who are [in charge of / managing / operating] the policy.

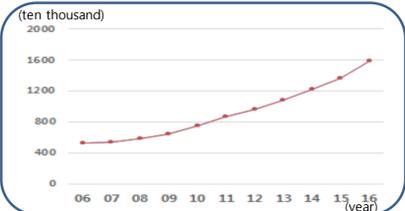
Therefore, I started to think about this: "Is there any way to make Clean House actually clean?"

The number of tourists coming to Jeju

✓ 1st survey Causes to trash problem in Jeju and the Clean House policy.



▲ Population change in Jeju
[Source of data: <http://kosis.kr>]



▲ The number of tourists coming to Jeju
[Source of data: <https://jto.or.kr>]



▲ Variation of household garbage generation in Jeju Island
[Source of data: <http://kosis.kr>]

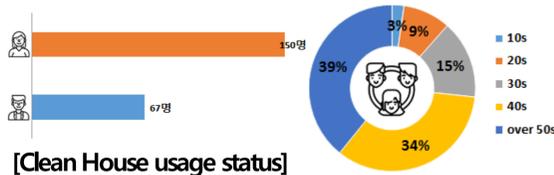
As the population of Jeju Island increased, the amount of garbage increased naturally and the cost of garbage disposal also rose.

The most important solution here is decreasing the amount of trash and recycling more. For these reasons, Jeju already improved some Clean House policy and is undergoing some trials and errors.

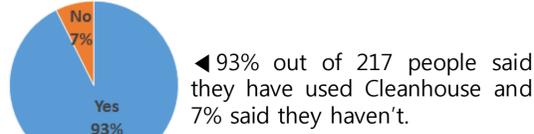


✓ 2nd survey How does citizens think of running Cleanhouse and how clean is Clean House and the surrounding area?

[Survey respondents analysis]

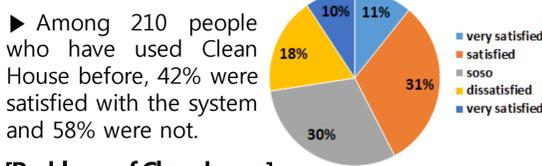


[Clean House usage status]



◀ 93% out of 217 people said they have used Cleanhouse and 7% said they haven't.

[Satisfaction level of Clean house]



▶ Among 210 people who have used Clean House before, 42% were satisfied with the system and 58% were not.

[Problems of Clean house]



▲ Among 116 people who did not feel satisfied with Clean House, 34% and 30% were each expressed inconviency with designated day and the time for throwing away the trash. 11% thought there is not enough garbage tubs and 6% were uncomfortable with how to dispose of plastic bags where food waste was contained. 19% said that surrounding areas of Clean House were unsanitary.

[Actual conditions of Clean House in our town]



- Green square: Clean House with bins for plastic bags polluted by food waste.
- Red square: Clean House without bins for plastic bags polluted by food waste.

• In 3 out of 9 Clean Houses we checked, bins for plastic bags polluted by food waste were lost.

• Contaminated plastic bags were everywhere lying on the floor, affecting sanitation of in the Cleanhouse.

• Recycling was not done properly, which caused to overflowed garbage tubs and it was impossible to separate general garbage from recyclable waste.

After hearing opinions about the Clean House and looking directly at the the ones in our town, the Clean House remained relatively clean at the time before the garbage was disposed, but there were many problems after the disposal.

First of all, 30% of the Clean House that were checked/inspected had lost their bins for plastic bags polluted by food waste, which made people throw them away everywhere. We need to improve the current bins for plastic bags polluted by food waste.

Also, **change in our consciousness toward recycling is necessary**, as we found that the recyclable wastes were not recycled properly from home and thrown away into wrong tubs.

Many people still do not know how to recycle, **it is of an utmost importance to effectively promote the proper way of recycling.**



✓ Conclusions

First, improving the Clean House policy is essential to reduce the amount of waste and increase recycling rates as Jeju we are living in has reached its limit to waste disposal capacity.

Second, 58% of people chose negative response to operating the Clean House and 34% of them chose designated day for garbage disposal as a reason to inconvenience and 30% chose designated time. These are part of the changed policy and people are having trouble adapting to it. In addition, we need to think about the reason for the other 36% of why people feel uncomfortable using Clean House and look for improvement measures. Then there will be more positive responses to the Clean House operation.

Third, 30% of Clean House in our town lost bins for plastic bags polluted by food waste and harm the surrounding environment. Some people didn't know how to recycle so we need to advertise the proper way to recycle.

Fourth, the improved bins for plastic bags polluted by food waste will be effective to make the surrounding area sanitary. Also developing and distributing applications such as 'Click! Clean Jeju' is an efficient way to advertise how to recycle.

✓ Personal opinion

We interviewed people who visited Clean House but many of them did not cooperate with us because the weather was cold. So, we were embarrassed and disappointed but we were able to gain strength thanks to some people who actively shared their opinions and encouraged us. **Refusing about policies just because of my inconvenience, thinking selfishly is not okay. Through this research, I want to share that changing my thoughts will lead to changing our thoughts and ultimately, people's thoughts.** Then, we visited Jeju Provincial Government and talked about our research. they said it was helpful, so we were proud of ourselves.



▲ Visiting Environment department of Jeju provincial

It was not easy at all to ask strangers to participate in the survey at night in chilly wind. Some people were kind but most of them just passed away because they were busy or it was bothering. But I was proud that I was changing something. **I hope that our research will be taken into consideration at least a little so that the Clean House can become more convenient for everyone to use.** Also, while talking to environmental expert, I again realized that it is important to change the consciousness of citizens.

✓ Research contents & Method

Survey	Contents	Methods	Period
1st	Trash problem in Jeju and the Clean House policy	Via internet sites and papers	2019.1.5. - 1.11.
2-1nd	Citizens' opinion about the Clean House	Online survey (217 subjects)	2019.1.12. - 1.23
2-2nd	Clean House and surrounding conditions	Visiting our town's Clean House (9 spots)	2019.1.19. - 1.20.
3-1rd	Creating plan for improving the problems	Benchmarking some policies and thinking	2019.1.19. - 1.23.
3-2rd	Opinion of improving Clean House	Interviewing people at 5 Clean Houses(83 subjects)	2019.1.24. - 2.10.
4th	Making inquiries about Clean House operation system	Visiting Environment department of Jeju provincial	2019.2.12.

[What is the Clean House Policy?]

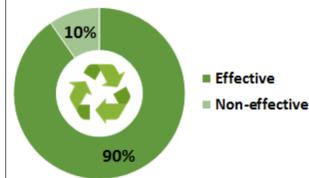
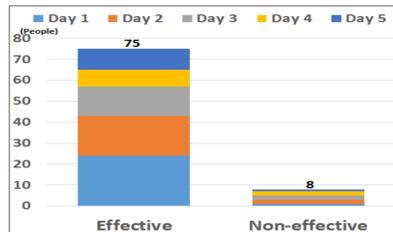
Since 2006, Clean House has been a garbage disposal system in Jeju province. It is placed in designated areas such as parks, playgrounds and parking lots. The system is equipped with garbage tubs for general waste, recyclable waste, food waste and collected garbage are taken away by trucks.

✓ 3rd survey Solve the problems of the Clean-house!

[Let's find a solution 1]

Will the improved version of bins for plastic bags polluted by food waste be effective to make the Clean House more sanitary?

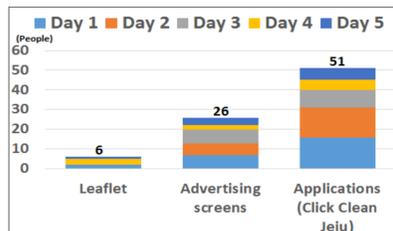
Ver.	Effective	Non-effective
Present Ver.	75	8
Improved Ver.	51	6



[Let's find a solution 2]

What do you think is the efficient way to advertise how to recycle and the Clean House policy?

Method	Number of people
Leaflet	6
Advertising screens	26
Applications (Click Clean Jeju)	51



90% of people said the improved version of bins for plastic bags polluted by food waste will be effective to make the Clean House more sanitary. It led us to realize that we need to think about the current bins for plastic bags polluted by food waste. In addition, to keep the Clean House sanitary, it is important that people are aware of the proper way of recycling. 62% of respondents chose mobile applications as an effective promotional means for recycling, 31% chose advertising screens and 7% chose hand-out leaflets. **Developing and distributing mobile applications with a variety of information will be effective in promoting how to recycle properly.**