

Visions for Installation of Charging Infrastructures for Next Generation Vehicles 【Outline】 (Osaka)

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Visions for Installation of Charging Infrastructures for Next Generation Vehicles 【Outline】 (Osaka)

(Objective)

Based on the Ministry of Economy, Trade and Industry's (METI) "Project to Promote Development of Charging Infrastructures for Next-generation Vehicles" (budget revised in 2012), efforts will be made to accelerate the building of charging infrastructures required for EV and PHV in Osaka, promote dissemination of EVs and PHVs to realize the buildup of the new energy industry as well as realize a low carbon society.

(Directions for installation of charging facilities)

Through METI's project to promote development of charging infrastructures for next-generation vehicles, install chargers equipped with diverse functions and applying the unique characteristics of how the project is operated throughout Osaka, to realize an Osaka that will not run out of electricity.

- Provide information using communication functions, etc.
- **Payment functions**
- Simultaneous charging of several EVs
- Use of charging facilities during late night hours, 365 days, etc.

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(Application of the Project)

Raise the subsidy rate of purchase fees and constructions fees if installing public charging facilities (rapid and normal chargers) based on these visions. (1/2 → 2/3)

- ① Allow use by general public, and even if a membership system is adopted, do not set excessive charges, etc. for non-members.
- ② Chargers must be installed in places accessible by anybody from entrances facing public roads.
- ③ Signboards indicating location of charging facilities must be installed.
- ④ Users of chargers must not need to use other services (food, drinks, etc.) or purchase goods.

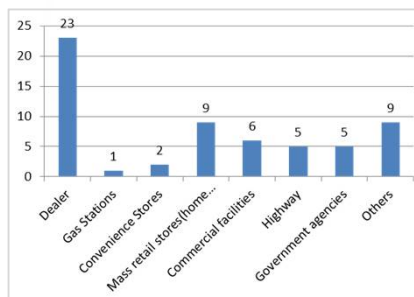
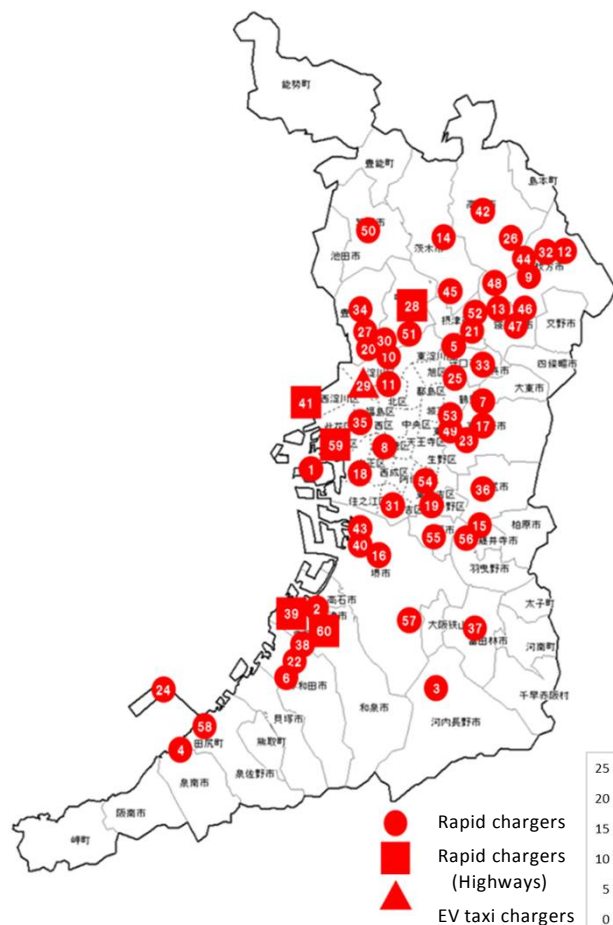
(Period of Visions)

○ From March 2013 to end of project (application for subsidies to Center must be submitted by February 2014)

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【Current installation state (March 2013)】

Rapid chargers : 60 units



No. of chargers : 322 units

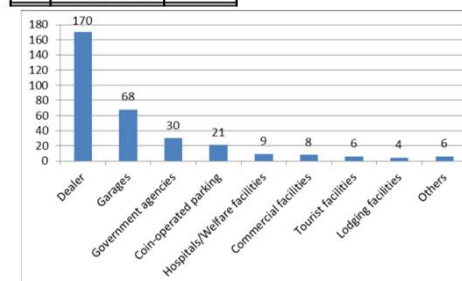
No. of 200 V normal chargers installed

Area	Municipal	No. installed
Osaka-shi		102
Sakai-shi		26
Toyonaka-shi		14
Ikeda-shi		4
Minoh-shi		10
Toyonaka-cho		0
Nose-cho		0
Total in Toyonaka area		28
Suita-shi		13
Takatsuki-shi		9
Ibaraki-shi		7
Settsu-shi		2
Shimamoto-cho		0
Total in Mishima area		31
Izumotsu-shi		7
Izumi-shi		7
Takaishi-shi		1
Tadaoka-cho		0
Total in Senboku area		15

Area	Municipal	No. installed
Kishiwada-shi		6
Kaizuka-shi		3
Izumisano-shi		5
Sennan-shi		3
Hannan-shi		1
Kumatori-cho		0
Tajiri-cho		2
Misaki-cho		0
Total in Sennan area		20
Moriguchi-shi		9
Hirakata-shi		13
Neyagawa-shi		5
Daito-shi		3
Kadoma-shi		5
Shijonawate-shi		1
Katano-shi		3
Total in Kitakawachi		39

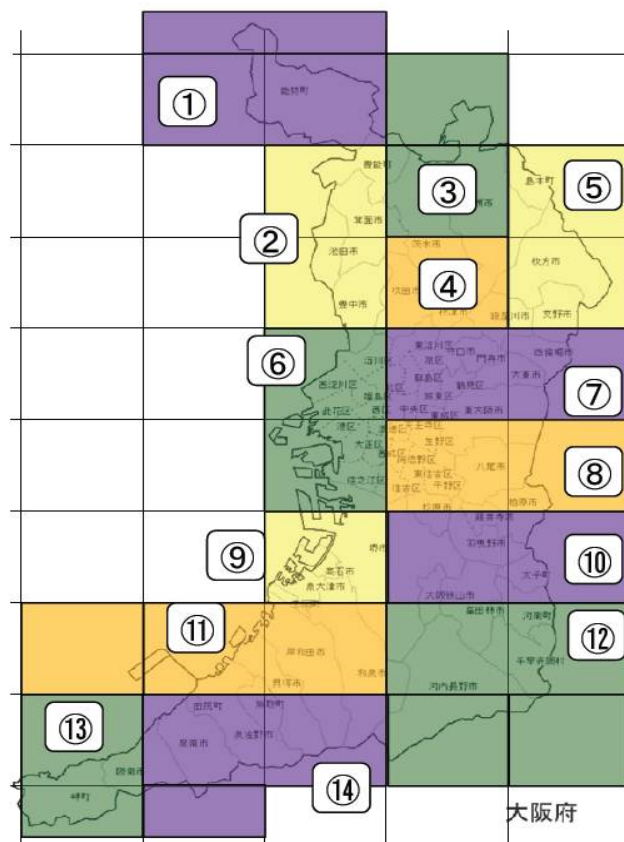
Area	Municipal	No. installed
Yao-shi		9
Kashiwara-shi		3
Higashi Osaka-shi		20
Total in Nakakawachi area		32
Tondabayashi-shi		5
Kawachinagano-shi		4
Matsubara-shi		3
Habikino-shi		7
Fujiidera-shi		6
Osaka Sayama-shi		4
Taishi-cho		0
Kanan-cho		0
Chihayaakasaka-mura		0
Total in Minamikawachi area		29
Total		322

No. installed: 322 units (March 2013)



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【Areas installed with chargers and number of chargers installed】



■ Osaka is divided into meshes of 10 km x 10 km (Total : 14 areas)

① Districts with main roads and heavy traffic : Basically install 20 units in each area.

② Districts without main roads but with destinations such as major tourist spots, facilities drawing visitors, etc. : Basically install 10 units in each area.

③ Districts other than ① and ②: Basically install 5 units in each area.

Installed area	Installed place	Type of charging facility	No. of units
Area 1	Nose-cho, part of Toyono-cho	Charger	5
Area 2	Nose-cho, Toyono-cho, Ibaraki-shi, Minoh-shi, Toyonaka-shi, part of Suita-shi, Ikeda-shi	Charger	20
Area 3	Toyono-cho, Minoh-shi, Ibaraki-shi, Takatsuki-shi, part of Shimamoto-cho	Charger	10
Area 4	Minoh-shi, Ibaraki-shi, Takatsuki-shi, Toyonaka-shi, Suita-shi, Settsu-shi, Moriguchi-shi, Neyagawa-shi, part of Hirakata-shi	Charger	20
Area 5	Shimamoto-cho, Takatsuki-shi, Hirakata-shi, Neyagawa-shi, part of Katano-shi	Charger	10
Area 6	Part of Osaka-shi (West), Toyonaka-shi, Suita-shi, part of Sakai-shi	Charger	20
Area 7	Part of Osaka-shi (North-east), Kadoma-shi, Shijonawate-shi, Daito-shi, Suita-shi, Settsu-shi, Moriguchi-shi, Neyagawa-shi, Katano-shi, part of Higashi Osaka-shi	Charger	20
Area 8	Part of Osaka-shi (South-east), Yao-shi, Higashi Osaka-shi, Sakai-shi, Matsubara-shi, Habikino-shi, Fujiidera-shi, part of Kashiwara-shi	Charger	20
Area 9	Sakai-shi, part of Tadaoka-cho, Takaishi-shi, Izumiotsu-shi	Charger	10
Area 10	Sakai-shi, Matsubara-shi, Habikino-shi, Fujiidera-shi, Kashiwara-shi, Osaka Sayama-shi, Tondabayashi-shi, part of Kanan-cho, Taishi-cho	Charger	10
Area 11	Sakai-shi, Tadaoka-cho, Izumi-shi, Kishiwada-shi, Kaizuka-shi, Kumatori-cho, Izumisano-shi, part of Tajiri-cho	Charger	10
Area 12	Sakai-shi, Osaka Sayama-shi, Tondabayashi-shi, Kanan-cho, Izumi-shi, part of Kawachinagano-shi, Chihayaakasaka-mura	Charger	10
Area 13	Misaki-cho, part of Hannan-shi	Charger	5
Area 14	Hannan-shi, Tajiri-cho, Izumisano-shi, Kumatori-cho, Kaizuka-shi, Kishiwada-shi, Izumi-shi, part of Kawachinagano-shi, Sennan-shi	Charger	5