

小松市都市デザイン

Komatsu Design for the Future

*Confronting “Our Unknown Future as a Society”,
Sustaining “Human Bonds” & Boosting “Our City’s Value”*

Komatsu City

(Revised Oct 1 2020)

I . Preface

I Purpose

“Komatsu Design for the Future” is a guideline that defines the city’s future direction for designing a city well-adapted for a new age.

2 Period

We aim to achieve the objectives of this guideline by 2040.

3 Objectives

We aim to maintain a “population of at least 100,000 people” in 2040.

Secondary Objectives

- An active population (i.e from 15 to less than 65 years old) of at least 52,000 to support robust growth
- An “Active Senior Rate” of at least 85% (i.e at least 85% of population from 75 to less than 85 years old not requiring nursing care)
- A total fertility rate of at least 2.0 to produce precious children that give us all joy.
- Maintaining the 20 years old and below generation of the future at a population of at least 20,000.

II. Main Body

I Komatsu Design for the Future

A Standout City in Hokuriku: “International City Komatsu”

Many societal and generational transformations await us, including population decrease, rapid aging, globalization, natural disasters on a global scale, and SDG movements geared towards creating sustainable societies. In anticipation of these changes, we strive to confront “Our Unknown Future as a Society”, sustain “Human Bonds” & boost “Our City’s Value”

In particular, we aim to become “A Standout City in Hokuriku: International City Komatsu”, where sustainable development of the city and the satisfaction and happiness of each individual citizen is pursued, connecting our hometown to the future.

2 5 Perspectives & 10 City Visions

We have drawn up 5 perspectives and 10 city visions for realizing the Komatsu Design.

Perspective 1	Developing a people, community & earth-friendly city	<i>Harmony</i>
City Vision	<ul style="list-style-type: none">① Raising the city’s beauty and cleanliness, enriching people’s minds and hearts. – With a nature & culture nurtured from antiquity assisting our efforts –② Thinking and acting as an inhabitant of Earth should, to contribute towards issues surrounding our city and Earth.	Beautiful

✓ Creating a “Beautiful City” that will enrich hearts and minds, and put a smile on the faces of residents and visitors of all ages. With spaces for water-lovers leveraging our waterfronts along Lake Kiba and rivers, a satoyama rich in history, nature and food culture, where experiential learning and academic research can be carried out, creative activities, beautiful sceneries encompassing flowers, greenery and water, and many more.

- ✓ Constantly evolving lifestyles and business approaches, and upgrading ourselves into a “Beautiful City” that is both safe and clean to live in.
- ✓ Ensuring the precious resources of our hometown are passed on to future generations, as represented by traditional customs such as children’s kabuki, traditional industries such as Kutani ceramics, and our natural environment that nurtures diverse agricultural products while providing enrichment and tranquility to our lives.
- ✓ Expanding environmental protection activities that engage our residents, organizations and schools as an entire community, such as town-wide flower-planting movements, regeneration activities along pine-dotted Ataka Beach, and town beautification projects.
- ✓ Advancing the creation of an eco-friendly and livable environment along with our corporations and universities, through advancing a carbon-free society, recycling and waste reduction etc.
- ✓ Realizing local industry growth and job diversification, forming a sustainable and diverse society and advancing effective cooperation, to contribute towards the realization of Sustainable Development Goals and global environmental efforts.
- ✓ Leveling up our city development strategies by expanding partnerships with domestic and international corporations, universities, educational research institutions as well as national and local governments.

**Perspective
2**

**A future-oriented city development
that drives growth**

Revolution

**City
Vision**

- ③ Evolving our city through continuous learning & resourcefulness.
- ④ Leveraging our international airport and Shinkansen to create a new city and culture as the hub of the Hokuriku region.

Fascinating

- ✓ Distinguishing ourselves as a terminal combining both an internationalizing airport and Shinkansen station. Shaping the surroundings of both transport hubs into vibrant zones where new industries and cultures are born.
- ✓ The Komatsu Station zone will be focused on “learning”, encompassing science and language, higher education and industrial talent development etc. , in order to nurture new charms and faces that can represent Komatsu in the service industry as well as cultural promotion.
- ✓ Whether via air, railway or road, enhancing our outstanding accessibility through regional connections and road networks with the various ports, in order to become a hub of Hokuriku connecting the global and local.
- ✓ Realizing “Society5.0”: proactive introduction of futuristic communication, graphic, and driverless technology, expansion of global exchange across business, education and tourism, and the creation of a “Fascinating City” that gathers visitors from across the nation and the world.
- ✓ Leveraging our great potential in terms of accessibility, industrial capacity, talent development and local resources towards regional alliances and globalization, to become a key center contributing to regional growth.

Perspective
3

Developing a city that takes on new innovation and challenges resolutely

Innovation

City
Vision

- ⑤ Manufacturing, rich in creativity and scientific innovations that pave the way to the future, was, is and will continue to be the hallmark of Komatsu.
- ⑥ The local society that sustains local lives and economy will lead the way in Komatsu's sustainability and development.

Robust

- ✓ Through innovations enabled by the development of new technologies and human resources, we aim to raise industrial competitiveness as well as produce new industries and value, to become a "Robust City" where production is balanced with a working environment that is especially conducive for women and seniors.
- ✓ Enhancing and diversifying agricultural production through collaborations with corporations and universities. In addition, promoting the use of renewable energy sources such as woody biomass, to ensure both the maximization and protection of our rich natural environment.
- ✓ Converting to new styles of business and consumption, through leveraging technologies such as telecommunications, robots and artificial intelligence, as well as promoting remote and online work, automation and labor-reduction.
- ✓ Expanding inbound and outbound tourism amidst the proliferation of domestic and international exchange, through a "Captivating Industrial Tourism" that capitalizes on assets such as our evolving traditional crafts and manufacturing technologies (most notably our vehicles), along with our food culture.
- ✓ Elevating our city's resilience, to ensure we are ever-ready for natural disasters and pandemics, through the engagement of community efforts and new technologies involved in river reconstructions, evacuation shelter improvements, public sanitation, enhancement of medical systems, and strengthening of local disaster-prevention capacities.
- ✓ As an administration, we will continuously reform our administrative and financial systems through the shaping of a responsive and intimate city hall as well as proactive introduction of new methods, leading the way in the growth of communities and corporations. We will also strengthen the ties between individuals, families, organizations, educational institutions, corporations and administrations, so as to preserve and nurture the communal society that is the source of our city's latent strength.

Perspective
4

Developing a community where people sparkle with life

Active

City
Vision

- ⑦ Our vibrant people will sparkle with life in their hometown and all over the world
 - Bringing about motivated learning and community contribution –
- ⑧ The warm breeze of our hometown will nurture the local culture that has been inherited unceasingly.

Vibrant

- ✓ We will work towards a coherent and flexible system of human resource development, starting from pre-school to compulsory education, higher education and up until lifelong learning. Furthermore, we will strengthen ties between pre-schools, elementary schools, junior high schools, high schools and universities, to bring about active individuals and lively communities.
- ✓ With regards to university education, which bears responsibility for nurturing talents ready to contribute to local industries and healthcare etc. in this global age, we will further enhance education through expansion of international exchange etc., elevating community vitality and advancing internationalization.
- ✓ From science, to Japanese & global cultures, food education, and SDGs etc., we will develop a way of learning unique to our city across schools and communities, with the goal of education-based development and becoming a “City Brimming with Learning”. Furthermore, from industry and traditional cultures, to sports, music and arts, we will enhance learning environments and development & support systems across diverse fields, so as to support “vibrant people” active on the national and global stage.
- ✓ In order to pass on to the next generation our city’s nature and culture, that has been nurtured through the wisdom of ancestors and centuries of history, along with the locality that is the base of our people’s activities, we will continue striving with the spirit of “developing our city to develop our people”.

Perspective
5

Developing a happy & smart city ————— *Renaissance*

City
Vision

- ⑨ Where families and international guests can enjoy pleasant lives.
– Making “prevention & coexistence” our motto –
- ⑩ Smart lifestyles in harmony with nature that win praise throughout the nation.

Pleasant

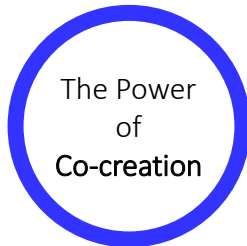
- ✓ Amidst a society aging at a globally unprecedented rate, on top of expanding prevention-focused measures across diverse fields such as healthcare and nursing, public sanitation and natural disasters, we also aim to become a model city of “healthy longevity” where seniors can continue being active in their work and interests, as experts in life.
- ✓ Preparing a comprehensive consultation and support system that seamlessly stretches from pregnancy to old age, and enriching pregnancy, childbirth and parenting support along with health-promotion, food education and immunization, so as to build a “Pleasant City” of healthy families.
- ✓ On top of safety measures such as disaster and crime prevention & reduction, working towards a “Kind City” where diverse peoples can coexist in harmony, through promoting diverse means of communication such as sign language, recidivism prevention measures such as ex-convict support, support for families with handicapped persons, as well as work, education & living support for foreign residents etc.
- ✓ Futuristic technologies will have huge impacts on lifestyles. Utilizing high-speed and high-bandwidth telecommunications and cyberspace technologies for transportation and shopping, we will elevate convenience and comfort in leisure activities and everyday life. Along with individual and organizational efforts, such technologies will also contribute towards reducing environmental impact, realizing smart ways of living kind to the Earth among our citizens.
- ✓ The thoughts and actions of individuals will contribute to society and many others across a diverse range of fields and scenarios, from environment to education, sports, arts, and community welfare etc., supporting the city as a whole.

3 Two Main Drivers & a Heart of “Wisdom, Benevolence & Courage”

Two main drivers, and the spirit of “wisdom, benevolence and courage” that is our city’s unique asset, will empower our realization of the “Komatsu Design for the Future”

✓ Our city’s asset lies in the strength of our people and the bonds of community that have been inherited from our ancestors. All our people and organizations will unite as “One Komatsu” to build a wonderful hometown that we can pass to the next generation.

✓ “People-to-people” exchanges are what create the future. Through tireless “human development”, we will build the best possible hometown. We will develop learning initiatives that uphold such beliefs as their core, elevating the latent potential of our city as a whole.

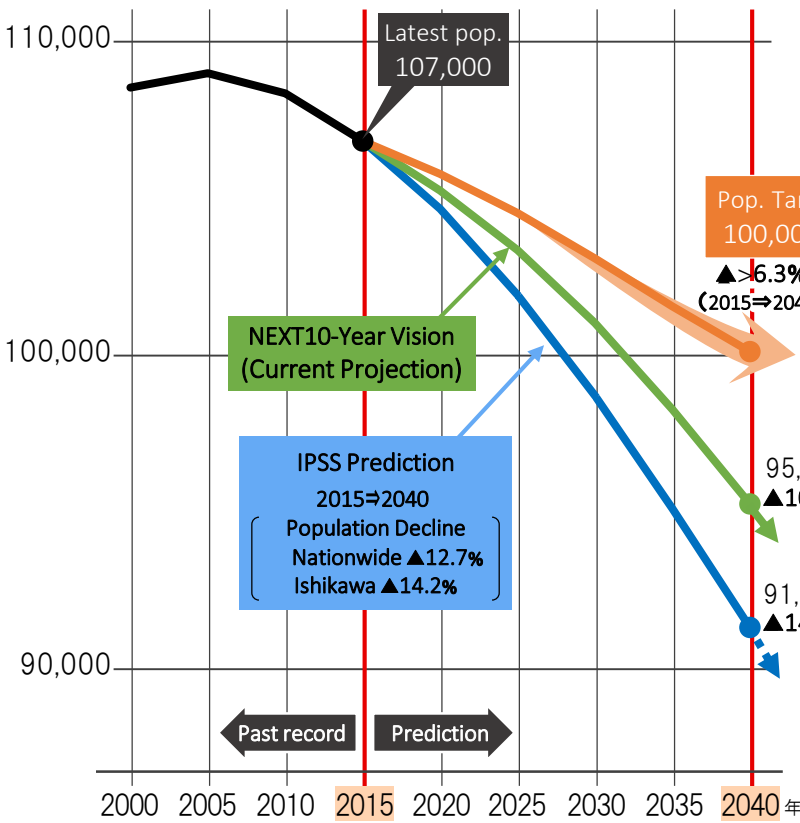


✓ Enterprising attitudes that spur elevation of knowledge and skills, consideration for others, and the courage to confront difficulties. These are traits that have existed among our people since ancient times, enabling our industries and hometown to flourish. Looking towards the future, we will not only persistently challenge and leverage new technologies that hold great potential, but act in unity with fellow inhabitants of the Earth to create a new society for this era.

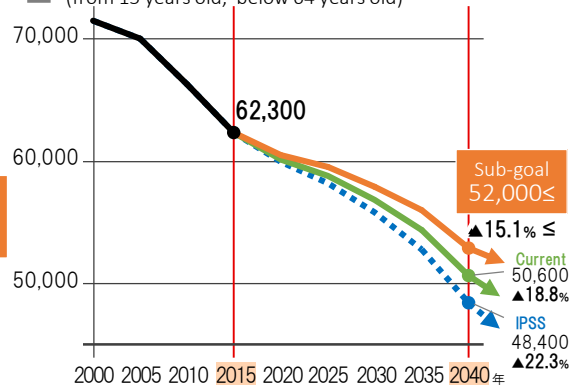
[Reference] Demographic Indicators

※Population numbers are based on the national census, and include foreign residents
 ※The projections are the city's own estimates calculated with reference to the estimation methods of National Institute of Population and Social Security Research (IPSS), and based on data available in January 2020.

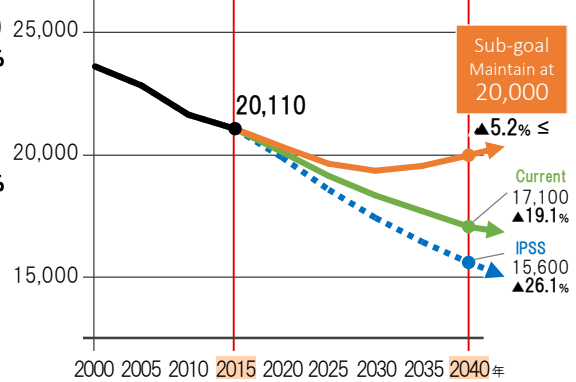
Total Population



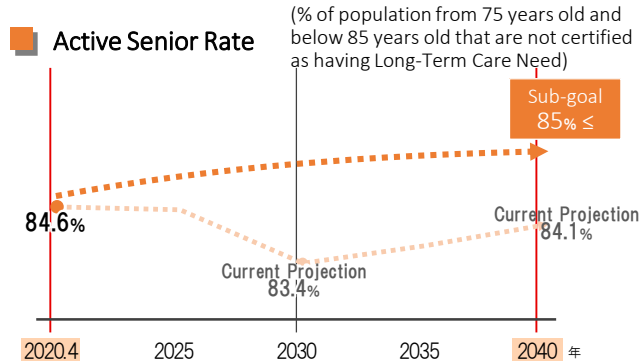
Active Population (from 15 years old, below 64 years old)



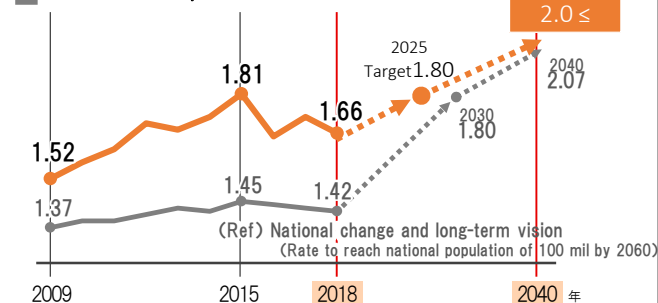
Population of 20 years old and below



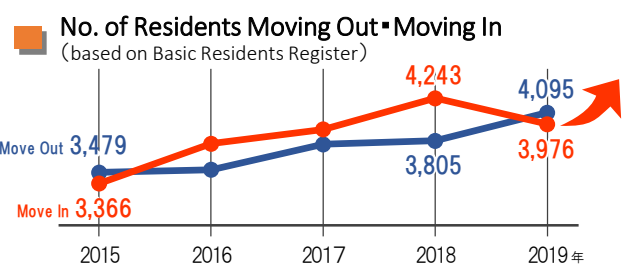
Natural Population Change



Total Fertility Rate



Population Movement



Encouraging ever more people to settle here

- Local-loving Families **UP** ... Staying on in one's hometown
- Hometown Returnees **UP** ... "U-turn"
- Welcome to Komatsu **UP** ... Move-in ("I·J-turn"), foreign residents
- New Styles of Living & Working **Change** ... Dual residence, diverse working styles, workations etc.

Livable Cities Ranking (overall evaluation)

