

Chapter : 2003 Jordan Atomic Energy Commission

Creation : Jordan Atomic Energy Commission was established early in 2008 as a legal successor for Jordan Nuclear Energy Commission pursuant to Nuclear Energy Law No. (42) of 2007 to implement the National Nuclear Energy Strategy, in order to transfer, promote development and management uses of the peaceful nuclear energy and radiation technology to the Kingdom, in addition to establishing investment projects to service the Jordanian economy in those areas, and their use in electricity generation or desalination and in fields of agricultural, industrial, medical and others nuclear applications

Vision : Pioneering in nuclear technology transfer and the nuclear and radiation applications and holding nuclear and radiation projects in the Kingdom in a peaceful, safe and sustainable way.

Mission : Creating and developing a catalytic technological, scientific and investment environment for nuclear projects to enhance energy security and contribute to Jordan's economic and social development.

Legal Framework: Atomic Energy Law No.(42) for the year 2007 and amendments thereto.

Priorities and targeted results within the determined ceilings for the years 2024 - 2026 :

First Priority :

- Expanding in the peaceful uses of the nuclear energy in the medical and industrial fields

Key procedures to realize the first priority :

- Equipping a special vehicle to transport radioactive materials from Jordan's nuclear reactor for research and training to hospitals and medical centres, in preparation for licensing of transport by Energy and Minerals Regulatory Commission.
- Holding several training courses for a number of different national entities as well as hosting trainees from international third parties.
- Supporting university students in terms of securing scientific and practical experiences in line with the requirements of engineering departments.
- Starting work on the establishment and development of the "process planning" methodology to determine the sequence of all activities associated with the main processes in the research reactor.
- Continuity of production and distribution of radioiodine isotope to hospitals and nuclear medicine centres in Jordan.
- Tendering for manufacturing system for production of technetium 99m.
- Continuity of irradiation of the Holmium isotope 166.
- Continuity of isotope irradiation 161.
- Conducting measurements and studies in preparation for starting with the irradiation of yttrium oxide as another way of producing the lutetium-177 isotope.
- Communicating and coordinating to irradiate the Ytterbium-89 for the production and commencement of the export of the Ytterbium 90 isotope
- Expansion of the production of the industrial Gadolinium analog 192 at the national level.

First Priority Outcomes :

- Producing a series of radioactive isotopes through the research reactor.

First priority-related program :

- Nuclear Research/Nuclear Reactors Previously.

Second Priority :

- Expanding in exploring and exploiting nuclear materials in Jordan.

Key procedures to realize the second priority :

- Establishment of the Mining Studies Laboratory.
- Completing the supply of advanced hardware and equipment to the company's automated analysis laboratories.
- Treatment and mining of tens of tons of uranium ores in the central Jordan region and production of quantities of yellowcake.
- Conducting studies and designing technical experiments to extract elements accompanying uranium such as vanadium.
- Continued cooperation with the International Atomic Energy Agency (IAEA) through technical projects and through cost-sharing in procurement of necessary equipment and equipment.
- Engaging staff in internal and external training courses to raise the productivity rate and increase the scientific competence of cadres.
- Providing technical and logistical services in exploration of mining projects in the Kingdom such as rare elements and copper.
- Cooperation with governmental and civil institutions such as universities and trade unions.

Second Priority Outcomes :

- Transferring from the pioneering factory for Uranium mining to commercial production.

Second priority-related program :

- Administration and Support Services
- Nuclear Research/Nuclear Reactors Previously.

Third Priority :

- Supporting and encouraging specialized research activities in the nuclear field in Jordan and empowering Jordanian researchers specializing in the nuclear and radiological field.

Key procedures to realize the third priority :

- Adopting the system of the research apparatus of the Jordan Atomic Energy Commission.

Third Priority Outcomes :

- Increasing the number of Jordanian nuclear researchers.
- Increasing the number of research and research projects in the nuclear field and increasing the productivity rate of scientific research.

Third priority-related program :

- Administration and Support Services
- Previously Nuclear Research/Nuclear Reactors

Tasks of the Ministry / Department :

- Implementing the vision and integrated strategy for the Jordanian nuclear program for peaceful purposes.
- Building and developing the required human staffs and capacities to implement the Jordanian nuclear program.
- Enhancing cooperation with IAEA and similar institutions and with friendly and expertise countries in the field of atomic energy and radiation technology.

Ministry/Department Contribution to the Achievement of the National Objectives :

- Creating an attractive investment environment capable of attracting foreign capitals and encouraging local investments.
- Preserving financial and monetary stability, budget deficit control and build efficient and low risk financial system.
- Realizing sustainable growth rates to ensure a good standard of living for all citizens.
- Reducing levels of poverty and unemployment and building an effective social protection system.
- Improving the level of services provided to citizens and justice in their distribution.
- Building a generation capable of creativity and innovation with high productivity.

Major Issues and Challenges which face the Ministry / Department :

- Lack of sufficient financial resources necessary for implementing the Jordanian nuclear program.
- Braindrain of qualified Jordanian competencies in the nuclear field to work in the nuclear projects outside Jordan.
- Poor societal awareness of the importance and benefits of Jordan's nuclear program and its implications for the Jordanian economy.

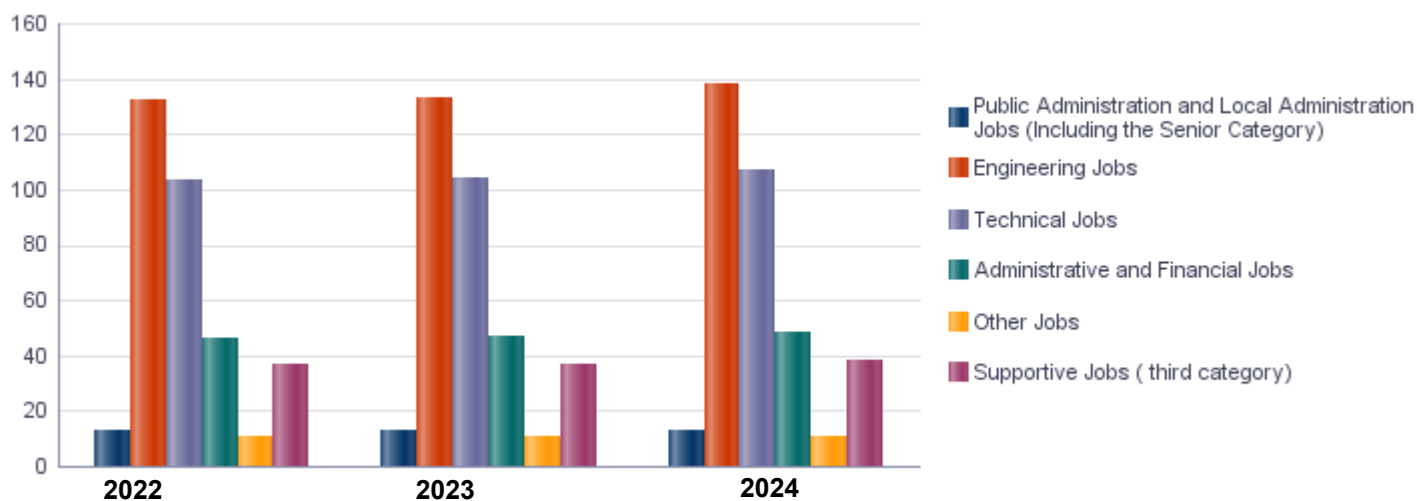
Chapter : 2003 Jordan Atomic Energy Commission

Strategic goals of the Ministry/ Department/ Unit and Performance Measurement Indicators

Strategic Objective	Performance Indicator	Base year	Value	Actual Value	Target Value	Preliminary Self Evaluation	Target Value		
				2022	2023	2023	2024	2025	2026
1 - Development and upgrading the institutional capacity of the Authority.	1 Percentage of Commission's stakeholders satisfaction.	2020	97%	97%	98%	97%	98%	98%	99%
	2 Number of specialists and qualified technicians working on the Jordanian Nuclear program projects.	2020	306	314	330	320	325	330	335
2 - Transfer, localization, development and sustainability of nuclear energy and radiation technology.	1 Number of signed nuclear cooperation agreements with competent countries.	2020	8	8	10	8	10	11	12
	2 Number of national and regional projects implemented with The International Atomic Energy Agency (IAEA) and Arab Atomic Energy Agency (AAEA).	2020	22	24	25	24	25	26	27
3 - Establishment of investment projects to service the national economy in the field of radiation technology and nuclear energy and its use for electricity generation, desalination and other areas.	1 Percentage of Uranium to total number of explored sites.	2020	63%	%65	66%	65%	67%	68%	69%
	2 Kinds of medical radioisotopes produced using the Jordanian nuclear reactor for research and training.	2020	4	4	6	4	5	6	7

Number of Staff in the Ministry/ Department/ Unit

Group	Job	2022			2023			Preliminary 2024		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Public Administration and Local Administration Jobs	Supervisory and Leadership	10	3	13	10	3	13	10	3	13
Engineering Jobs	Engineer	107	25	132	108	25	133	112	26	138
Technical Jobs	Technical Jobs	82	21	103	83	21	104	85	22	107
Administrative and Financial Jobs	Financial Administration Jobs	28	18	46	29	18	47	30	18	48
Other Jobs	Other jobs	8	3	11	8	3	11	8	3	11
Supportive Jobs (third category)	Support Employee (Driver,	35	2	37	35	2	37	36	2	38
Total		270	72	342	273	72	345	281	74	355
Total Cost of Salaries		3345234	877517	4222751	3770060	987940	4758000	3899662	1021338	4921000



Most notable information about the Ministry/Department/Unit

No.	Description	2020	2021	2022	2023	2024
1	Number of companies/ institutions specialized in nuclear and radiology technology and energy dealing with the Commission.	3	3	3	3	3
2	Number of companies/institutions benefiting from radiant wastes storage and transport services provided by the Commission.	24	25	26	27	28
3	Number of companies benefiting from gamma ray sterilization provided by the Commission.	30	30	31	31	32
4	Number of Jordanian universities benefiting from the technical facilities of the Commission including scientific researches.	13	13	13	13	14
5	Number of institutions / companies benefiting from lab testing to discover radiology pollutants and measurements services and radiology calibration in the Commission and measure personal radiology doses.	124	125	126	128	130
6	Number of institutions/ hospitals / medical centers using medical radioisotopes produced by the Jordanian nuclear reactor for training and researches.	12	12	12	12	13

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Current Activities Appropriations According to Program								
Prog.	Activites		Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
			2022	2023	2023	2024	2025	2026
6181	601	Administrative and Support Services	3193974	4274000	4103000	4405000	4338000	4371000
	Total of Program		3193974	4274000	4103000	4405000	4338000	4371000
6184	601	Nuclear researches	2626243	2606000	2520000	2715000	2749000	2783000
	Total of Program		2626243	2606000	2520000	2715000	2749000	2783000
Total			5820217	6880000	6623000	7120000	7087000	7154000

Capital Projects Appropriations According to Program								
Prog.	Projects		Actual	Estimated	Re-estimated	Estimated	Indicative	Indicative
			2022	2023	2023	2024	2025	2026
6181	001	Administration and Support Services Program	204794	390000	275000	300000	300000	300000
	Administration Project							
	002	Supporting energy projects.	478172	2150000	2150000	1780000	2380000	2380000
Total of Program			682966	2540000	2425000	2080000	2680000	2680000
6184	003	Establishing and operating the research nuclear reactor	258890	1408000	1390000	3770000	3485000	300000
	Total of Program		258890	1408000	1390000	3770000	3485000	300000
Total			941856	3948000	3815000	5850000	6165000	2980000

Overall Summary of Expenditures for Chapter 2003- Jordan Atomic Energy Commission for the Years 2022 - 2026

(In JDs)

Description	Actual	Estimated	Re-estimated	Estimated	Difference between estimated 2024 and re- estimated 2023	Indicative	
	2022	2023	2023	2024		2025	2026
Current Expenditure	5,820,217	6,880,000	6,623,000	7,120,000	497,000	7,087,000	7,154,000
Capital Expenditure	941,856	3,948,000	3,815,000	5,850,000	2,035,000	6,165,000	2,980,000
Total current and capital expenditure	6,762,073	10,828,000	10,438,000	12,970,000	2,532,000	13,252,000	10,134,000

Most notable differences between estimated appropriations for 2024 and re-estimated for 2023

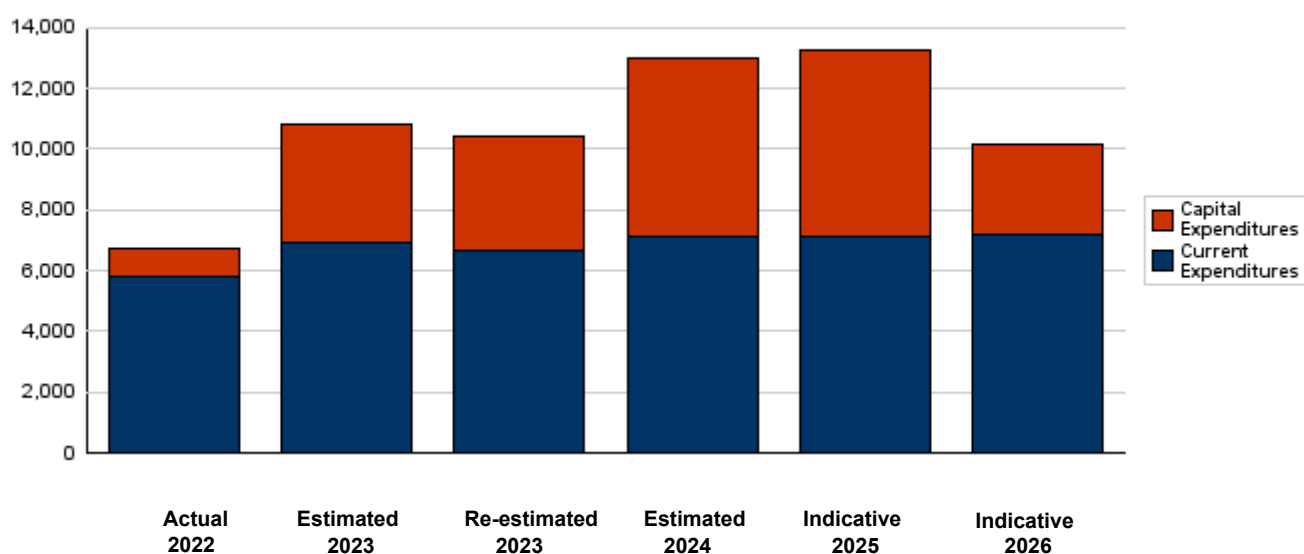
Current expenditure :

- Compensations of employees group increased by approximately (390) thousand JDs due to the natural increase in salaries in addition to vacancies and new jobs to be appointed in 2024.
- Operational expenditures appropriations increased by (100) thousand JDs, this increase was the result of higher electricity items, cleaning contracts, fees and licenses.
- Other expenditure increased by (7) thousand JDs.

Capital expenditure :

- Capital expenditures increased by about (2.035) million JDs. This increase resulted from the increase in allocations for the construction and operation of the research nuclear reactor by (2.380) million JDs and the management of the administration and support services program by (25) thousand JDs on one hand, and the decrease in allocations for the project to support energy projects by (370) thousand JDs on the other hand.

(Thousands of JDs) Graph of the current and capital expenditures for the years 2022 - 2026



Overall Summary of Current Expenditures for the Years 2022 - 2026

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Group	Item	Description	Actual 2022	Estimated 2023	Re-estimated 2023	Estimated 2024	Indicative 2025	Indicative 2026
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	276092	277000	265000	261000	265000	269000
	103	Comprehensive Contract Employees	365842	509000	397000	498000	505000	513000
	105	Personal Cost of Living Allowance	426277	465000	440000	480000	487000	494000
	106	Family Cost of Living Allowance	39080	42000	41000	47000	48000	49000
	110	Overtime Allowance	24992	50000	50000	50000	50000	50000
	111	Additional Allowance	1228000	1305000	1300000	1405000	1426000	1447000
	112	Other Allowances	164499	160000	144000	147000	149000	151000
	113	Transportation Allowance	82995	120000	120000	120000	120000	120000
	114	Transport Allowance	25666	25000	25000	25000	25000	25000
	116	Employees' Bonuses	800000	900000	900000	950000	950000	950000
	120	Contract Employees	356890	405000	394000	443000	450000	457000
		Total	3790333	4258000	4076000	4426000	4475000	4525000
2121		Social Security Contributions						
	301	Social Security	432418	500000	455000	495000	503000	510000
		Total	432418	500000	455000	495000	503000	510000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	201	Rents	9850	10000	10000	10000	10000	10000
	202	Telecommunications Services	22991	20000	20000	20000	20000	20000
	203	Water	97371	75000	75000	75000	75000	75000
	204	Electricity	691877	460000	460000	530000	540000	550000
	205	Fuels	58783	70000	70000	70000	70000	70000
	206	Maintenance of Machines, furniture and acce	4872	10000	10000	10000	10000	10000
	207	Maintenance of vehicles, equipment and acce	11962	15000	15000	15000	15000	15000
	208	Repair and maintenance of buildings and acc	11981	15000	15000	15000	15000	15000
	209	Stationery, Publications and Office Supplies	14962	25000	20000	20000	20000	20000
	210	Substances and raw materials (medicines, cl	8411	9000	9000	9000	9000	9000
	211	Cleaning services and supplies including cle	90344	100000	100000	110000	110000	110000
	212	Insurance	50476	55000	55000	55000	55000	55000
	213	Official Travel Missions	23960	30000	30000	30000	30000	30000
	214	Goods and services expenses	126892	800000	775000	795000	745000	745000
		Total	1224732	1694000	1664000	1764000	1724000	1734000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	147329	254000	254000	230000	230000	230000
	303	Scientific scholarships and training courses	120475	34000	34000	70000	20000	20000
	305	Non-Employees' Bonuses	104930	140000	140000	135000	135000	135000
		Total	372734	428000	428000	435000	385000	385000
		Total of Chapter	5820217	6880000	6623000	7120000	7087000	7154000

Overall Summary of Capital Expenditures for the Years 2022 - 2026

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Group	Item	Description	Actual 2022	Estimated 2023	Re-estimated 2023	Estimated 2024	Indicative 2025	Indicative 2026
		Expenditures						
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures	27498	1115000	1100000	3255000	3255000	70000
Total			27498	1115000	1100000	3255000	3255000	70000
25		Subsidies						
2511		Subsidies to Public Corporations						
	520	Subsidies to non-financial public corporations/capital	478172	2150000	2150000	1780000	2380000	2380000
Total			478172	2150000	2150000	1780000	2380000	2380000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations	160927	210000	160000	225000	125000	125000
Total			160927	210000	160000	225000	125000	125000
		Fixed Assets						
31		Non-financial Assets						
3111		Buildings and Constructions						
	508	Works and Constructions	15000	78000	75000	75000	0	0
Total			15000	78000	75000	75000	0	0
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices	80439	220000	155000	230000	230000	230000
	506	Vehicles and Equipment	0	0	0	110000	0	0
Total			80439	220000	155000	340000	230000	230000
3122		Inventories						
	503	Materials and supplies	179820	175000	175000	175000	175000	175000
Total			179820	175000	175000	175000	175000	175000
Total of Chapter			941856	3948000	3815000	5850000	6165000	2980000

Appropriations directed for females and child according to chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Description	2022	2023	2024	2025	2026
Females	877,517	987,940	1,021,338	1,033,217	1,045,096
Child	0	0	0	0	0
Appropriations distributed according to population index					
Females	1,193,481	2,852,900	3,783,030	3,888,780	2,396,530
Child	914,156	2,185,200	2,897,640	2,978,640	1,835,640
Total appropriations directed for females	2,070,998	3,840,840	4,804,368	4,921,997	3,441,626
Total appropriations directed for Child	914,156	2,185,200	2,897,640	2,978,640	1,835,640

6181 Administration and Support Services Program

Objective of the program :

- 1-Transferring, localization and development of the uses of nuclear energy and radiation technology and their sustainability.
- 2- Establishment of investment projects to serve the national economy in the field of radiation technology and nuclear energy.
- 3- Using different nuclear reactors capabilities to generate electric power and desalinating water.
- 4-Exploring and mining uranium and rare ground metals and producing yellow cake to promote local energy sources.
- 5-Providing a working environment and logistical services to the directorates and units.
- 6-Developing the capacity of directorates and units operating in the Commission.
- 7-Improving programme management and projects implemented by the Commission.

The strategic objective related to the program :

- 1- Development and upgrading of the institutional body's capacities.
- 2- Transferring, localization and development of nuclear energy and radiation technology and their sustainability.

Directorates associated with the program :

- 1-Technical Services Directorates:
 - Research and Information Labs Directorate
 - Uranium Labs Directorate
 - Gama Radiology Directorate
 - Radiation and Emergency Protection Directorate
 - Ionizing Radiation Directorate
 - Quality Assurance Directorate
 - Physical and Chemical Analysis Directorate
 - Transport and Radioactive Waste Management Directorate
 - Nuclear Projects Development Directorate
 - Advanced Energy Systems Directorate
 - International Cooperation Directorate.
- 2- Administrative and Financial Services Directorates:
 - Information Technology and Security Directorate
 - Human Resources Directorate
 - Financial Affairs Directorate
 - Administrative Affairs Directorate
 - Audit and Internal Control Unit
 - Institutional Development Unit
 - Office of the Chairman and bureau

Services provided by the program :

- Providing laboratory checkups and tests that serve the uranium exploration and extraction project.
- Providing checkup and testing service for consumer and food samples to determine their content of radioactive and harmful substances in public health.
- Providing sterilization services for medical supplies.
- Providing quality assurance services for the various projects and work of the commission in line with international standards and foundations.
- Coordination and cooperation with international organizations related to the commission's work and following up the implementation of national and regional projects for nuclear applications with international organizations.
- Following up agreements and memorandum of understanding on the international level and on the scope of bilateral cooperation.
- Following up students sent by the authority to international universities.
- Treatment, transportation, storage and protection of radioactive waste at the Kingdom level and protection.
- Participating in the nuclear and radiological emergency team at the Kingdom level and providing aid and field assistance.
- Achieving the security of existing or transferred nuclear and radiological materials, the security of electronic digital documents and information, and protecting the computer networks of the commission and its various facilities.
- Auditing transactions, agreements, administrative and financial decisions to ensure their consistency with the legislation.
- Providing training opportunities for specialists and technicians to operate and sustain nuclear reactors and different scientific facilities.
- Implementing the Commission's decisions and recommendations of financial and administrative impact.
- Preparing the Commission's annual budget draft and manpower table.

Staff working in the program :

The program is implemented through a functional staff in 2023 estimated with (194) staff, including (155) males and (39) females .

Chapter 2003 - Jordan Atomic Energy Commission

6181 Administration and Support Services Program

Appropriations directed for females and child

(In JDs)

Description	2022	2023	2024	2025	2026
Females	520,436	595,655	621,186	627,820	634,454
Child	0	0	0	0	0
Appropriations directed according to population index					
Females	605,409	1,809,970	1,595,650	1,830,650	1,830,650
Child	463,718	1,386,360	1,222,200	1,402,200	1,402,200
Total appropriations directed for females	1,125,845	2,405,625	2,216,836	2,458,470	2,465,104
Total appropriations directed for Child	463,718	1,386,360	1,222,200	1,402,200	1,402,200

Key Performance Indicators for Program

Performance Measurement Indicator	Base Year	Value	Actual value	Target Value	Preliminary Self Evaluation	Target Value		
			2022	2023		2023	2024	2025
1 Satisfaction Percentage of the Commission's stakeholders	2020	97%	97%	98%	97%	98%	98%	99%
2 Number of nuclear cooperation agreements signed with specialized countries	2020	8	8	10	8	10	11	12
3 Number of specialized qualification courses in commission's area of work	2020	80%	81%	88%	83%	87%	88%	89%
4 Number of national and regional projects implemented by the IAEA and AAEA	2020	22	24	25	24	25	26	27
5 Percentage of Uranium presence to total number of explored sites	2020	63%	65%	66%	65%	67%	68%	69%

Appropriations 6181 Of Administration and Support Services Program as Per Activities and Projects.

(In JDs)

Activities and Projects	Actual	Estimated	Re-estimated	Estimated	Indicative	
	2022	2023	2023	2024	2025	2026
Current Expenditures	3,193,974	4,274,000	4,103,000	4,405,000	4,338,000	4,371,000
601 Administrative and Support Services	3,193,974	4,274,000	4,103,000	4,405,000	4,338,000	4,371,000
Capital Expenditures	682,966	2,540,000	2,425,000	2,080,000	2,680,000	2,680,000
001 Administration and Support Services Program Administration Project	204,794	390,000	275,000	300,000	300,000	300,000
002 Supporting energy projects.	478,172	2,150,000	2,150,000	1,780,000	2,380,000	2,380,000
Program / Treasury	682,966	2,540,000	2,425,000	2,080,000	2,680,000	2,680,000
Total Program	3,876,940	6,814,000	6,528,000	6,485,000	7,018,000	7,051,000

Current Expenditures According to Program and Activities for the Years 2022 - 2026

Chapter : 2003 - Jordan Atomic Energy Commission

(In JDs)

Program : 6181 - Administration and Support Services								
Activity : 601 - Administrative and Support Services								
Group	Item	Description	Actual 2022	Estimated 2023	Re-estimated 2023	Estimated 2024	Indicative 2025	Indicative 2026
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	210000	250000	238000	235000	238000	241000
	103	Comprehensive Contract Employees	284627	399000	317000	418000	422000	427000
	105	Personal Cost of Living Allowance	265000	286000	270000	302000	303000	304000
	106	Family Cost of Living Allowance	25520	27000	26000	30000	31000	31000
	110	Overtime Allowance	14992	25000	25000	25000	25000	25000
	111	Additional Allowance	718000	765000	765000	825000	841000	857000
	112	Other Allowances	147500	142000	132000	134000	135000	136000
	113	Transportation Allowance	54000	86000	86000	86000	86000	86000
	114	Transport Allowance	15000	16000	16000	16000	16000	16000
	116	Employees' Bonuses	435000	485000	485000	500000	500000	500000
	120	Contract Employees	107000	142000	142000	182000	185000	188000
		Total	2276639	2623000	2502000	2753000	2782000	2811000
2121		Social Security Contributions						
	301	Social Security	312196	340000	300000	337000	341000	345000
		Total	312196	340000	300000	337000	341000	345000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	201	Rents	9850	10000	10000	10000	10000	10000
	202	Telecommunications Services	17782	14000	14000	14000	14000	14000
	203	Water	14371	15000	15000	15000	15000	15000
	204	Electricity	6999	5000	5000	5000	5000	5000
	205	Fuels	58783	70000	70000	70000	70000	70000
		001 Heating	9908	15000	15000	15000	15000	15000
		002 Saloon vehicles	28913	35000	35000	35000	35000	35000
		003 Transport vehicles and heavy equipment	19962	20000	20000	20000	20000	20000
	206	Maintenance of Machines, furniture and accessories	2990	8000	8000	8000	8000	8000
	207	Maintenance of vehicles, equipment and accessories	11962	15000	15000	15000	15000	15000
	208	Repair and maintenance of buildings and accessories	7982	11000	11000	11000	11000	11000
	209	Stationery, Publications and Office Supplies	9969	15000	10000	10000	10000	10000
	210	Substances and raw materials (medicines, clothes, food, films, etc..)	4662	5000	5000	5000	5000	5000
	211	Cleaning services and supplies including cleaning contracts	45344	50000	50000	55000	55000	55000
	212	Insurance	14891	15000	15000	15000	15000	15000
	213	Official Travel Missions	15000	20000	20000	20000	20000	20000
	214	Goods and services expenses	96650	740000	735000	735000	685000	685000
		001 Events and hospitality	4872	55000	55000	55000	5000	5000
		008 Advertisements and subscriptions	8906	15000	15000	15000	15000	15000
		013 Services, security and guarding contracts	50000	630000	630000	630000	630000	630000
		014 Shipment and clearance fees	24999	25000	25000	25000	25000	25000
		084 Fees and licenses	7873	15000	10000	10000	10000	10000
		Total	317235	993000	983000	988000	938000	938000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	136329	243000	243000	219000	219000	219000
		014 Saving Fund contribution	26329	29000	29000	29000	29000	29000
		018 International Agency for Atomic Energy and Arab Commission	110000	214000	214000	190000	190000	190000
	303	Scientific scholarships and training courses	120475	34000	34000	70000	20000	20000
		000 Scientific scholarships and training courses	9976	20000	20000	20000	20000	20000
		003 Scientific Scholarships and Cultural Exchange	110499	14000	14000	50000	0	0
	305	Non-Employees' Bonuses	31100	41000	41000	38000	38000	38000
		Total	287904	318000	318000	327000	277000	277000
		Total of Activity	3193974	4274000	4103000	4405000	4338000	4371000
		Total of Program	3193974	4274000	4103000	4405000	4338000	4371000

Capital Expenditures According to Program and Projects for the Years 2022 - 2026

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Program 6181 Administration and Support Services								
Project 001 Administration and Support Services Program Administration Project								
Fund Source 102001 Capital (Treasury)								
Group	Item	Description	Actual 2022	Estimated 2023	Re-estimated 2023	Estimated 2024	Indicative 2025	Indicative 2026
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures						
	015	Operating systems and software	2498	35000	20000	20000	20000	20000
		Total of Item	2498	35000	20000	20000	20000	20000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations						
	027	Purchasing consultation services	72000	150000	100000	75000	75000	75000
		Total of Item	72000	150000	100000	75000	75000	75000
31		Non-financial Assets						
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices						
	001	Computers and accessories	497	30000	30000	30000	30000	30000
	069	Modernizing and developing devices and equipment	49972	100000	50000	100000	100000	100000
		Total of Item	50469	130000	80000	130000	130000	130000
3122		Inventories						
	503	Materials and supplies						
	006	Laboratories supplies and materials	79827	75000	75000	75000	75000	75000
		Total of Item	79827	75000	75000	75000	75000	75000
		Total of Project / Treasury	204794	390000	275000	300000	300000	300000
Project 002 Supporting energy projects.								
Fund Source 102001 Capital (Treasury)								
Group	Item	Description	Actual 2022	Estimated 2023	Re-estimated 2023	Estimated 2024	Indicative 2025	Indicative 2026
25		Subsidies						
2511		Subsidies to Public Corporations						
	520	Subsidies to non-financial public corporations/capital						
	031	National Committee for synchrotron	10000	10000	10000	10000	10000	10000
	033	International Committee for synchrotron	368172	740000	740000	370000	370000	370000
	034	Jordanian company for mining	100000	1400000	1400000	1400000	2000000	2000000
		Total of Item	478172	2150000	2150000	1780000	2380000	2380000
		Total of Project / Treasury	478172	2150000	2150000	1780000	2380000	2380000
		Total of Program	682966	2540000	2425000	2080000	2680000	2680000

Chapter 2003 - Jordan Atomic Energy Commission

6184 Nuclear Research/ Nuclear Reactors formerly Program

Objective of the program :

Establishing a Jordanian center for nuclear research using a (5) MWe, nuclear reactor which can be increased to (10) MWe, and putting under the disposal of researchers from Jordanian institutes and universities, producing radioisotope especially those used in the nuclear medicine, establishing neutron activation analysis labs and training nuclear engineering and other sciences students.

The strategic objective related to the program :

Establishing investment projects to serve the national economy in the field of radiology technology and nuclear energy and to use them in generating electric power and water desalination in addition to other fields.

Directorates associated with the program :

- Nuclear Safety, Security and Guarantees Directorate
- Establishment Operations Directorate
- Technical Support and Supportive Services Directorate
- Nuclear Safety and Licenses Directorate
- Reactor Operation Directorate
- Establishment Maintenance Directorate
- Administrative Services Unit
- Quality Control Unit
- Scientific Research Unit

Services provided by the program :

- Education and training to support nuclear engineering programs and nuclear reactors operation.
- Analysis using Neutron activation technique.
- Produce radioisotopes, of the most important those used in nuclear medicine as Iodine, Molybdenum and Iridium and produce industrial radioisotopes in the following phases.
- Neutron rays applications including non-destructive testing, neutron diffraction and neutron defraction.
- Neutron transformation doping.
- Radioactive wastes treatment resulting from using reactor as per international standards and foundations.
- Potential usage as a regional research and training center in cooperation and coordination of the IAEA.

Staff working in the program :

The program is implemented through a functional staff in 2023 estimated with (151) staff, including (118) males and (33) females .

Appropriations directed for females and child

(In JDs)

Description	2022	2023	2024	2025	2026
Females	357,081	392,285	400,152	405,397	410,642
Child	0	0	0	0	0
Appropriations directed according to population index					
Females	588,072	1,042,930	2,187,380	2,058,130	565,880
Child	450,438	798,840	1,675,440	1,576,440	433,440
Total appropriations directed for females	945,153	1,435,215	2,587,532	2,463,527	976,522
Total appropriations directed for Child	450,438	798,840	1,675,440	1,576,440	433,440

Key Performance Indicators for Program

No	Performance Measurement Indicator	Base Year	Value	Actual value		Target Value		Preliminary Self Evaluation		
				2022	2023	2023	2024	2025	2026	
										Target Value
1	Number of medical radioisotopes produced by the Jordanian Nuclear Reactor for Research and Training	2020	4	4	6	4	5	6	7	
2	Number of nuclear engineers and qualified sciences students	2020	31	32	32	32	34	35	36	
3	Number of research and studies using the reactor	2020	9	9	11	9	10	11	12	

Chapter 2003 - Jordan Atomic Energy Commission

6184 Nuclear Research/ Nuclear Reactors formerly Program

Appropriations 6184 Of Nuclear Research/ Nuclear Reactors formerly Program as Per Activities and Projects.

(In JDs)

Activities and Projects		Actual	Estimated	Re-estimated	Estimated	Indicative	
		2022	2023	2023	2024	2025	2026
601	Nuclear researches	2,626,243	2,606,000	2,520,000	2,715,000	2,749,000	2,783,000
Capital Expenditures		258,890	1,408,000	1,390,000	3,770,000	3,485,000	300,000
003	Establishing and operating the research nuclear reactor	258,890	1,408,000	1,390,000	3,770,000	3,485,000	300,000
Program / Treasury		258,890	1,408,000	1,390,000	3,770,000	3,485,000	300,000
Total Program		2,885,133	4,014,000	3,910,000	6,485,000	6,234,000	3,083,000

Current Expenditures According to Program and Activities for the Years 2022 - 2026

Chapter : 2003 - Jordan Atomic Energy Commission

(In JDs)

Program : 6184 - Nuclear Research/ Nuclear Reactors formerly								
Activity : 601 - Nuclear researches								
Group	Item	Description	Actual 2022	Estimated 2023	Re-estimated 2023	Estimated 2024	Indicative 2025	Indicative 2026
21		Compensations of Employees						
2111		Salaries, Wages and Allowances						
	102	Unclassified Employees	66092	27000	27000	26000	27000	28000
	103	Comprehensive Contract Employees	81215	110000	80000	80000	83000	86000
	105	Personal Cost of Living Allowance	161277	179000	170000	178000	184000	190000
	106	Family Cost of Living Allowance	13560	15000	15000	17000	17000	18000
	110	Overtime Allowance	10000	25000	25000	25000	25000	25000
	111	Additional Allowance	510000	540000	535000	580000	585000	590000
	112	Other Allowances	16999	18000	12000	13000	14000	15000
	113	Transportation Allowance	28995	34000	34000	34000	34000	34000
	114	Transport Allowance	10666	9000	9000	9000	9000	9000
	116	Employees' Bonuses	365000	415000	415000	450000	450000	450000
	120	Contract Employees	249890	263000	252000	261000	265000	269000
		Total	1513694	1635000	1574000	1673000	1693000	1714000
2121		Social Security Contributions						
	301	Social Security	120222	160000	155000	158000	162000	165000
		Total	120222	160000	155000	158000	162000	165000
22		Use of Goods and Services						
2211		Use of Goods and Services						
	202	Telecommunications Services	5209	6000	6000	6000	6000	6000
	203	Water	83000	60000	60000	60000	60000	60000
	204	Electricity	684878	455000	455000	525000	535000	545000
	206	Maintenance of Machines, furniture and accessories	1882	2000	2000	2000	2000	2000
	208	Repair and maintenance of buildings and accessories	3999	4000	4000	4000	4000	4000
	209	Stationery, Publications and Office Supplies	4993	10000	10000	10000	10000	10000
	210	Substances and raw materials (medicines, clothes, food, films, etc..)	3749	4000	4000	4000	4000	4000
	211	Cleaning services and supplies including cleaning contracts	45000	50000	50000	55000	55000	55000
	212	Insurance	35585	40000	40000	40000	40000	40000
	213	Official Travel Missions	8960	10000	10000	10000	10000	10000
	214	Goods and services expenses	30242	60000	40000	60000	60000	60000
	001	Events and hospitality	5000	10000	10000	10000	10000	10000
	014	Shipment and clearance fees	12979	15000	15000	15000	15000	15000
	084	Fees and licenses	12263	35000	15000	35000	35000	35000
		Total	907497	701000	681000	776000	786000	796000
28		Other Expenditures						
2821		Other Current Expenditures						
	302	Contributions	11000	11000	11000	11000	11000	11000
	014	Saving Fund contribution	11000	11000	11000	11000	11000	11000
	305	Non-Employees' Bonuses	73830	99000	99000	97000	97000	97000
	000	Non-employees' bonuses	42000	52000	52000	52000	52000	52000
	012	Bonuses of engineers and geologists	31830	47000	47000	45000	45000	45000
		Total	84830	110000	110000	108000	108000	108000
		Total of Activity	2626243	2606000	2520000	2715000	2749000	2783000
		Total of Program	2626243	2606000	2520000	2715000	2749000	2783000
		Total of Chapter	5820217	6880000	6623000	7120000	7087000	7154000

Capital Expenditures According to Program and Projects for the Years 2022 - 2026

Chapter : 2003 Jordan Atomic Energy Commission

(In JDs)

Program 6184 Nuclear Research/ Nuclear Reactors formerly								
Project		003 Establishing and operating the research nuclear reactor						
Fund Source		102001 Capital (Treasury)						
Group	Item	Description	Actual 2022	Estimated 2023	Re-estimated 2023	Estimated 2024	Indicative 2025	Indicative 2026
22		Use of Goods and Services						
2211		Use of Goods and Services						
	512	Operating and Sustaining Expenditures						
	015	Operating systems and software	25000	50000	50000	50000	50000	50000
	023	Operation contracts	0	1030000	1030000	3185000	3185000	0
		Total of Item	25000	1080000	1080000	3235000	3235000	50000
28		Other Expenditures						
2822		Other Capital Expenditures						
	504	Studies, Research and Consultations						
	014	Studies, researches and design	0	0	0	100000	0	0
	027	Purchasing consultation services	88927	60000	60000	50000	50000	50000
		Total of Item	88927	60000	60000	150000	50000	50000
31		Non-financial Assets						
3111		Buildings and Constructions						
	508	Works and Constructions						
	040	Constructions	15000	78000	75000	75000	0	0
		Total of Item	15000	78000	75000	75000	0	0
3112		Devices, Machinery and Equipment						
	505	Equipment, Machines and Devices						
	055	Technical devices	29970	90000	75000	100000	100000	100000
		Total of Item	29970	90000	75000	100000	100000	100000
	506	Vehicles and Equipment						
	003	Pick-up vehicles	0	0	0	60000	0	0
	005	Medium-size passenger buses	0	0	0	50000	0	0
		Total of Item	0	0	0	110000	0	0
3122		Inventories						
	503	Materials and supplies						
	006	Laboratories supplies and materials	99993	100000	100000	100000	100000	100000
		Total of Item	99993	100000	100000	100000	100000	100000
		Total of Project / Treasury	258890	1408000	1390000	3770000	3485000	300000
		Total of Program	258890	1408000	1390000	3770000	3485000	300000
		Total of Chapter	941856	3948000	3815000	5850000	6165000	2980000