Rationale for a nuclear program

- growing domestic demand on electricity (projected +36% by 2030) ➞ long-term stability of supply

- environmental protection requirements

- diversification as part of the energy policy

- nuclear technology considered reliable, economically sound long-term

- benefits for Polish scientific community, industries
Demand for energy by carriers

source: Ministry of Economy of Poland
Nuclear PP in Poland’s vicinity

source: Polish Atomic Agency

- Visaginas NPP, 1x1350 MWe, ABWR, planned (256 km from Poland)
- Baltic NPP, 2x1150 MWe, VVER, under construction (65 km from Poland)
- Astravets NPP, 2x1150 MWe, VVER, planned (ground excavation started) (181 km from Poland)
- Krümmel NPP, 1x1260 MWe, BWR, shutdown but reactor core still loaded and spent fuel on-site
Polish Nuclear Power Program

- Adopted (gov.) in January 2014

- 3 GW energy by 2030; 6 GW by 2035

- phased approach

**Phase I** - 1.01.2014 - 31.12.2016: choosing localization and contractor for the first NPP;

**Phase II** - 1.01.2017 - 31.12.2018: preparation of the project and obtaining necessary permits;

**Phase III** - 1.01.2019 - 31.12.2024: finishing and connecting into the grid of the 1st unit; next units constriction commences;

**Phase IV** - 1.01.2025 - 31.12.2030: 1st NPP finished (2 units); next units constriction commences (2nd NPP to be finished by 2035)
Main players in the program

- Ministry of Economy – representing state administration
- Regulator – National Atomic Energy Administration
- Investor / operator (leadership in Poland: Polish Energy Group’s dedicated sub-company)
- Radioactive waste management unit
Near-term priorities

- Decision on the location (two sites under consideration: Zarnowiec and Choszczewo, Baltic Sea coast central zone)
- Preparing conditions for investor(s) and deciding on the financing model
- Preparing overall infrastructure
- Gaining public support
Arms control dimension
Rationale behind engagement in arms control

- Poland party to all major treaties, mechanisms (CD) and export control regimes

- Collapse of the regimes seen as threatening for the Polish security – directly or indirectly

- Willingness to „show the Polish flag” if possible

- Balanced approach – cautious about idealism
Strong points

- interest within MFA, expert community
- Good non-proliferation credentials
- Ability to work with similar middle-sized countries
- Some influence within NATO, regionally + contacts with the U.S., Russia
- Understanding for the complex relationship deterrence – disarmament
- Not a one-issue country
Specific areas / initiatives

1. Non – strategic nuclear weapons
2. Proliferation Security Initiative
3. NPDI (Non-Proliferation and Disarmament Initiative) ---- NPT
4. Conventional arms control
5. Participation in Nuclear Security Summits
6. Poland’s role in Missile Defence
Thank you for your attention!

Questions?
Comments?