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1. ?????Westinghouse Electric Manufacturing Company?

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??500??

Westinghouse????????

????1886?1?8?????·??1889?????????????????Westinghouse
Electric Manufacturing Company??1945?10??????

????????26?????????250???,????125000?????135000???????107??? (1986)
??4000?????1886????????????????????1890
????????????????1895????????????????????5000?????1900????????????????1955????????????????
1957??500?????????,70?????1100?????,
????????????????????????????



??????56????????????6792?,????????????1750??????650?,????325
????????????????????????????????

?????????

2014????????1????????????????????????????????????4?AP1000
????????????????????????????????????AP1000?????????

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??????20????????28??20
??????

????2020????????5,800????????????????????????1,569???

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2. ?????

AREVA????????????????????500????AREVA

??

AREVA????????????????????AREVA? ?????????????120????????AREVA
??

AREVA????????40????????100

??AREVA

????????????????????????????????5?8????????????AREVA

??



AREVA????????????2001??AREVA????????(ALSTOM)?9.2

????????AREVA T&D????????????????????(AREVA)

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2004????????(ALSTOM T&D) ?????????(AREVA T&D)

????????

????????????????2010????????????????

?????

???????????? 1????????????????11????4????14????????6

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?4??EPR???????

??(Areva)

??

(Areva)????????????(Anne Lauvergeon)????????????????????80???(855????)

??EPR

??EPR

????????????????????EPR????????????????????????????????????EPR

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, ?????????????????????

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????????1999?6

??

2030??

??AP1000????EPR

??

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1600????????????????????

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?????

????GEN-I????????1950?1960????light water reactors, LWR????

(Shipping Port)???pressurized-water reactor, PWR????(Dresden)???(boiling water reactor,

BWR)????(magnox)????

????GEN-??????1960????1990????????????????????????????LWR?PWR?BWR?????????
CANDU????????VVER/RBMK????????????????????????????

GEN-1990-2010
 advanced boiling water reactors, ABWR
 80+ AP600 European pressurized reactor, EPR

???GEN-????????????2030??
 ?????????????2500????????????17%????????????79%???2002????????????444
 ?????????262???59%???50????????????31???62%????????????????????

????
 ???2000?5????????????GIF?
 2000?8??????2001?3??

???????

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[illegible][illegible]

???

DOE?2001?4?????12????94????????????????????28????????32?????17??????17??2002?9?19

??20????????GIF????????10??????94????????????????????????????????????

[illegible]

????????????

????????(lead-cooled fast reactor, LFR)????????/

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LFR????????????????????LFR????????1200????????????????300?400

????????????????15?20??50?100????????LFR????????????????????

??????

????molten salt reactor, MSR????????????????????????????????????MSR

??

1000????????700?800??????

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????sodium-cooled fast reactor, SFR????????????????????????????????SFR

??150?500??????-?-????-

????????????500?1 500?????-??????

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????(very high temperature reactor, VHTR)

??HTTR????????????HTR-10??

VHTR????????????1 000????????????????????????????????/

????????????????????600????

????????

????super-critical water-cooled reactor, SCWR????????????374??22.1

????????????????????1.3

??1

700????????25????????510?550??

??????

????????????????

PS: ARPA-E??????????????????

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??????NPRV?

http://mp.weixin.qq.com/s?__biz=MzA3ODQyODA4MA==&mid=209738025&idx=1&sn=529ea5334

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http://baike.baidu.com/link?url=5MUn4JUP-VV9P34Ygm8OPioMX9vZmysioyTYE_22ZyBI5zR4M6Xp5u_4N7mTx_FqQwKVgkku3Bkzw5I-pFfMb__ileMA-s504qH0-FD-0VAhx_U6PEaRNox2wKwhwwA3rpYsfxahPKSqXAkBxRtObqRtRo0DO-D-lvtl74warDe

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<http://www.baike.com/wiki/%E7%AC%AC%E5%9B%9B%E4%BB%A3%E6%A0%B8%E8%83%BD>

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