

公开版本

原产于美国的进口太阳能级多晶硅的反补贴措施
——期终复审申请书

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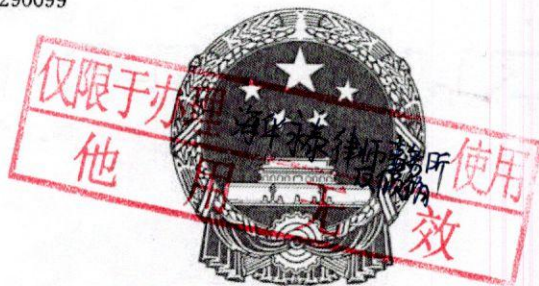
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附件 1

编号 320301000201803290099



营业执照

(副本)

统一社会信用代码 913203017849976109 (2/2)

名称 江苏中能硅业科技发展有限公司
类型 有限责任公司(台港澳合资)
住所 徐州经济技术开发区杨山路66号
法定代表人 蒋文武
注册资本 705203.133万元人民币
成立日期 2006年03月07日
营业期限 2006年03月07日至2046年03月07日
经营范围 研究、生产多晶硅、单晶硅；与光伏产业有关的工程咨询、项目开发；危险化学品[盐酸、二氯硅烷、三氯硅烷、四氯化硅、氢(压缩的)、氧(液化的)、氮(液化的)、氩(液化的)、硅粉(非晶形的)、硅烷]的生产；处置、利用四氯化硅废液(HW34)10万吨/年；销售自产产品。(依法须经批准的项目，经相关部门批准后方可开展经营活动)



登记机关



2017年 12月 28日



营业执照

(副本)

统一社会信用代码 914103077474342885

(1-1)

名称 洛阳中硅高科技有限公司
类型 其他有限责任公司
住所 洛阳市洛龙科技园区牡丹大道西路1号
法定代表人 李爱民
注册资本 壹拾亿伍仟陆佰玖拾捌万柒仟肆佰叁拾叁圆玖角玖分
成立日期 2003年03月21日
营业期限 2003年03月21日至2053年03月20日

经营范围 研究、生产、销售多晶硅及硅片、单晶硅及硅片、太阳能电池片及组件、四氯化硅、硅化合物系列产品、无水氯化氢、气相二氧化硅、高纯石英、盐酸、氢气、氧气、密封胶（以上危险化学品项目限有许可证的分支机构经营）；多晶硅、单晶硅、硅化合物系列产品的技术转让、开发、咨询和服务；工业硅、水质、环境大气、固体废物、化学试剂、石灰石、液体氯硅烷、硅晶体、硅片、高纯气体的分析检测；光伏电站的建设、投资和运营管理；货物和技术进出口服务（国家法律法规规定应经审批方可经营的，未获批准前不得经营）。

（依法须经批准的项目，经相关部门批准后方可开展经营活动）



登记机关



2016 年 07 月 28 日

即时信息公示时间为二十个工作日



تىجارەت كىشىلىكىسى

营业执照

统一社会信用代码 916500006702303076

نامى
تىپى
تۇرۇشلۇق ئورنى
ھاقۇنىي ۋەكىلى
قۇرۇلغان ۋاقتى
مۇددىتى
تىجارەت دائىرىسى

名称
类型
住所
法定代表人
注册资本
成立日期
营业期限
经营范围

新特能源股份有限公司

股份有限公司(中外合资、上市)

新疆乌鲁木齐市高新技术产业开发区(新市区)甘泉堡经济技术开发区(工业园)面广东街2499号

张建新

拾亿肆仟伍佰万伍仟壹佰陆拾贰元人民币

2008年02月20日

2008年02月20日至长期

硅及相关高纯材料的生产、销售及相关技术的研发; 新能源建筑环境环保技术及相关工程项目的研究、设计、系统集成、安装调试维护及咨询服务; 太阳能硅片、太阳能电池片、太阳能电池组件、控制器、逆变器、太阳能蓄电池、汇流柜、建筑构件、支架、太阳能系统及相关产品应用相关的组配件和环境设备的制造、安装及技术咨询服务和运营管理; 太阳能光伏离网、并网及风光互补、光热互补、光伏水电互补、其他与光伏发电互补的系统相关工程设计、生产、安装维护、销售及售后服务; 火电、水利水电工程、电力工程施工总承包及调试运营; 劳务派遣; 货物与技术的进出口业务; 多晶硅生产相关的化工副产品的生产及销售, 房屋租赁, 企业人员内部培训, 机电设备、电线电缆、钢材、钢管、阀门、建材的销售。【依法须经批准的项目, 经相关部门批准后方可开展经营活动】***



تىزىملىغۇچى ئورگان
登记机关



2016 年 07 月 22 日



由 扫描全能王 扫描创建



تجارهت كىنشكىسى 营业执照

(قوشۇمچە نۇسخا)

(副本)

1-1

统一社会信用代码 9165000056438859XD

نامى
تىپى
تۇرۇشلۇق ئورنى
قانۇنىي ۋەكىلى
تىزىملىتىلگەن كاپىتالى
قۇرۇلغان ۋاقتى
مۇددىتى
تىجارەت دائىرىسى

新疆大全新能源股份有限公司

股份有限公司(中外合资、未上市)

新疆石河子经济开发区化工新材料产业园纬六路

徐广福

陆亿伍仟万元人民币

2011 年 02 月 22 日

2011 年 02 月 22 日 至 长期

多晶硅、硅片、光伏电池、光伏组件和光伏发电系统产品的生产、加工和销售；上述产品生产过程中的副产品（硅芯、烧碱、四氯化硅、三氯氢硅、稀硫酸、盐酸、次氯酸钠及硅渣）的试生产（一年）及产品销售（须经国家专项审批的商品、技术，在取得相关许可后，方可从事经营活动，具体经营项目以许可证载明项目为准；涉及配额许可证管理、专项规定管理的商品、技术应按国家有关规定办理）。***（依法须经批准的项目，经相关部门批准后方可开展经营活动）***



تىزىملىغۇچى ئورگان

登记机关 新疆维吾尔自治区工商行政管理局

2015 年 12 月 08 日



营业执照

(副本)

统一社会信用代码 91511100660281872G

名称 四川永祥多晶硅有限公司
类型 有限责任公司（自然人投资或控股的法人独资）
住所 乐山市五通桥区竹根镇永祥路 100 号
法定代表人 段雍
注册资本 壹拾陆亿元人民币
成立日期 2007 年 04 月 23 日
营业期限 2007 年 04 月 23 日至长期
经营范围

生产、销售四氯化硅、氯化氢、三氯硅烷、液氧（有效期至 2018 年 9 月 21 日止）。研究、开发、生产、销售多晶硅、单晶硅；经营本企业自产产品及附产品的出口业务，本企业生产所需的原辅材料、仪器仪表、机械设备的进出口业务（国家限定公司经营或禁止进出的商品和技术除外）（依法须经批准的项目，经相关部门批准后方可开展经营活动）。※



（依法须经批准的项目，经相关部门批准后方可开展经营活动）

登记机关



2016 年 11 月 14 日

请于每年 1 月 1 日至 6 月 30 日年报。

企业出资、股权变更、行政许可、

行政处罚等信息产生后应在 20 个工作日内公示。

<http://gsxt.scafc.gov.cn>

企业信用信息公示系统网址：

中华人民共和国国家工商行政管理总局监制



营业执照

(副本)

统一社会信用代码 9163000078143357X3(1-1)

名称 亚洲硅业（青海）有限公司
类型 有限责任公司(中外合资)
住所 西宁经济技术开发区金硅路1号
法定代表人 王体虎
注册资本 25449.389200万美元
成立日期 2006年12月31日
营业期限 2006年12月31日至2056年12月30日
经营范围 半导体多晶硅材料的研发、生产和销售，并提供售后服务以及下游光伏电站的承建和开发。***



登记机关



附件 2

授权委托书

江苏中能硅业科技发展有限公司（下称委托方）全权委托上海海华永泰（北京）律师事务所及其指定的律师，就原产于美国和韩国的进口太阳能级多晶硅所适用的反倾销和反补贴措施向中华人民共和国商务部对提起期终复审申请。

上海海华永泰（北京）律师事务所律师的代理权限为全权代理，具体为：

- 1、认真履行职责，及时依法保护委托方合法权益；
- 2、为期末复审事宜搜集和整理有关证据和材料；
- 3、起草期末复审申请书及相关文件；
- 4、代表委托方向商务部提交反倾销和反补贴期末复审的书面申请；
- 5、代表委托方向商务部提供相关证据和材料，并依法查阅与本案件有关的证据和材料；
- 6、代表委托方参加题述案件的审理和听证，发表陈述意见和/或针对其他利害关系方的观点提出抗辩意见，对调查机关发布的裁决和披露的信息发表评论；
- 7、如经中国政府和委托方同意，代表委托方参加中国政府与国外生产商（或出口商）可能进行的承诺和协商的谈判工作；
- 8、代表委托方按照商务部规定的时间提供补充材料；
- 9、代表委托方进行最终裁定做出前所需要的工作。

本授权书所规定的权限在授权事宜完成时终结，或委托方认为有必要结束授权时终结。授权终结时，与之相应的委托代理合同同时终止。

委托方：江苏中能硅业科技发展有限公司（盖章）

二〇一八年十一月十七日



授权委托书

新特能源股份有限公司（下称委托方）全权委托上海海华永泰（北京）律师事务所及其指定的律师，就原产于美国和韩国的进口太阳能级多晶硅所适用的反倾销和反补贴措施向中华人民共和国商务部对提起期终复审申请。

上海海华永泰（北京）律师事务所律师的代理权限为全权代理，具体为：

- 1、认真履行职责，及时依法保护委托方合法权益；
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- 9、代表委托方进行最终裁定做出前所需要的工作。
- 10、以上行为在发生前必须向委托方进行有效告知，征得委托方同意，并对预期结果进行判断。并增加委托方联系人甘新业，联系方式：18599338833

本授权书所规定的权限在授权事宜完成时终结，或委托方认为有必要结束授权时终结。授权终结时，与之相应的委托代理合同同时终止。

委托方：新特能源股份有限公司（盖章）

二〇一八年十一月十七日



授权委托书

新疆大全新能源股份有限公司（下称委托方）全权委托上海海华永泰（北京）律师事务所及其指定的律师，就原产于美国和韩国的进口太阳能级多晶硅所适用的反倾销和反补贴措施向中华人民共和国商务部对提起期终复审申请。

上海海华永泰（北京）律师事务所律师的代理权限为全权代理，具体为：

- 1、认真履行职责，及时依法保护委托方合法权益；
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委托方：新疆大全新能源股份有限公司（盖章）

二〇一八年十一月十七日



授权委托书

洛阳中硅高科技有限公司（下称委托方）全权委托上海海华永泰（北京）律师事务所及其指定的律师，就原产于美国和韩国的进口太阳能级多晶硅所适用的反倾销和反补贴措施向中华人民共和国商务部对提起期终复审申请。

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委托方：洛阳中硅高科技有限公司（盖章）

二〇一八年十一月十七日



授权委托书

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- 5、代表委托方向商务部提供相关证据和材料，并依法查阅与本案件有关的证据和材料；
- 6、代表委托方参加题述案件的审理和听证，发表陈述意见和/或针对其他利害关系方的观点提出抗辩意见，对调查机关发布的裁决和披露的信息发表评论；
- 7、如经中国政府和委托方同意，代表委托方参加中国政府与国外生产商（或出口商）可能进行的承诺和协商的谈判工作；
- 8、代表委托方按照商务部规定的时间提供补充材料；
- 9、代表委托方进行最终裁定做出前所需要的工作。

本授权书所规定的权限在授权事宜完成时终结，或委托方认为有必要结束授权时终结。授权终结时，与之相应的委托代理合同同时终止。

委托书：四川永祥多晶硅有限公司（盖章）

二〇一八年十一月十七日



授权委托书

亚洲硅业（青海）有限公司（下称委托方）全权委托上海海华永泰（北京）律师事务所及其指定的律师，就原产于美国和韩国的进口太阳能级多晶硅所适用的反倾销和反补贴措施向中华人民共和国商务部对提起期终复审申请。

上海海华永泰（北京）律师事务所律师的代理权限为全权代理，具体为：

- 1、认真履行职责，及时依法保护委托方合法权益；
- 2、为期终复审事宜搜集和整理有关证据和材料；
- 3、起草期终复审申请书及相关文件；
- 4、代表委托方向商务部提交反倾销和反补贴期终复审的书面申请；
- 5、代表委托方向商务部提供相关证据和材料，并依法查阅与本案件有关的证据和材料；
- 6、代表委托方参加题述案件的审理和听证，发表陈述意见和/或针对其他利害关系方的观点提出抗辩意见，对调查机关发布的裁决和披露的信息发表评论；
- 7、如经中国政府和委托方同意，代表委托方参加中国政府与国外生产商（或出口商）可能进行的承诺和协商的谈判工作；
- 8、代表委托方按照商务部规定的时间提供补充材料；
- 9、代表委托方进行最终裁定做出前所需要的工作。

本授权书所规定的权限在授权事宜完成时终结，或委托方认为有必要结束授权时终结。授权终结时，与之相应的委托代理合同同时终止。

委托书：亚洲硅业（青海）有限公司（盖章）

二〇一八年十一月十七日



附件 3

律 师 指 派 书

为中国太阳能级多晶硅产业对原产于美国和韩国的进口太阳能级多晶硅进行的反倾销和反补贴措施期终复审之目的，江苏中能硅业科技发展有限公司、新特能源股份有限公司、洛阳中硅高科技有限公司、新疆大全新能源股份有限公司、四川永祥多晶硅有限公司和亚洲硅业（青海）有限公司授权上海海华永泰（北京）律师事务所作为其全权代理人，代理题述案件的申请及调查工作。

上海海华永泰（北京）律师事务所根据上述委托，特指派本所吴必轩律师代理，处理与上述委托相关的全部事宜。

上海海华永泰（北京）律师事务所

2018年11月15日



执业机构 上海海华永泰（北京）
律师事务所

执业证类别 专职律师

执业证号 11101201510687324

法律职业资格
或律师资格证号 A20091101064115

发证机关 北京市司法局

发证日期 2017 年 05 月 02 日



持证人 吴必轩

性 别 男

身份证号 110106197307084810

律师年度考核备案

考核年度	二〇一七年度
考核结果	称 职
备案机关	北京市通州区司法局 专用章 律师年度考核备案
备案日期	2017年6月-2018年5月

律师年度考核备案

考核年度	二〇一八年度
考核结果	称 职
备案机关	北京市通州区司法局 专用章 律师年度考核备案
备案日期	2018年6月-2019年5月

附件 4

关于中国太阳能级多晶硅产量情况的证明

根据我协会对中国太阳能级多晶硅企业生产情况的跟踪统计，特此提供2015年至2018年9月期间的以下数据：

- 1、中国多晶硅总产量；
- 2、江苏中能硅业科技发展有限公司、新特能源股份有限公司、洛阳中硅高科技有限公司、新疆大全新能源股份有限公司、四川永祥多晶硅有限公司和亚洲硅业（青海）有限公司（以下合称“申请人”）的多晶硅总产量；
- 3、上述申请人总产量占全国总产量的比例。

	2015 年	2016 年	2017 年	2018 年 1—9 月
申请人产量（吨）	134,689	148,047	172,921	125,503
中国总产量（吨）	169,274	195,464	240,396	193,359
申请人产量占比	79.57%	75.74%	71.93%	64.91%

特此证明。



附件 5

税则号列	货 品 名 称	最惠 (%)	普通	增值 税率	出口 退税	计量 单位	监管 条件	Article Description
2804.5000 20	能量密度>40MJ/kg 的硼浆(硼溶于溶剂形成的硼浆)	5.5	17	17	13	千克	3	Boron paste, energy density > 4 Mega J/kg, boron dissolved in solvent
2804.5000 90	其他硼	5.5	17	17	13	千克		Other boron
	-硅:							-Silicon;
	--按重量计含硅量不少于 99.99%;							--Containing by weight not less than 99.99% of silicon;
	---经掺杂用于电子工业的直径在 7.5 厘米及以上的单晶硅棒;							---Monocrystals doped for use in electronics, in the form of cylinders or rods, 7.5cm or more in diameter;
2804.6117	----直径在 30 厘米及以上的	4	11	17	17	千克		----30cm or more in diameter
2804.6119	----其他	4	11	17		千克		----Other
2804.6120	---经掺杂用于电子工业的其他单晶硅棒	4	17	17		千克		---Other monocrystals doped for use in electronics, in the form of cylinders or rods
2804.6190	---其他		30	17		千克		---Other
2804.6190 11	含硅量 ≥ 99.9999999% 的多晶硅废碎料(太阳能级多晶硅除外)	4	30	17		千克	AP	Waste and scrape of polycrystalline silicon, containing by weight not less than 99.9999999% (excluding solar-grade polysilicon)
2804.6190 12	含硅量 ≥ 99.9999999% 的太阳能级多晶硅	4	30	17		千克		Solar grade polysilicon silicon content ≥ 99.9999999%
2804.6190 13	含硅量 ≥ 99.9999999% 的太阳能级多晶硅废碎料	4	30	17		千克	AP	Solar grade polysilicon silicon content ≥ 99.9999999% of waste and scrap
2804.6190 19	其他含硅量 ≥ 99.9999999% 的多晶硅(太阳能级多晶硅除外)	4	30	17		千克		Other polycrystalline silicon, containing by weight not less than 99.9999999% (excluding solar-grade polysilicon)
2804.6190 91	其他含硅量 ≥ 99.99% 的硅废碎料(太阳能级多晶硅除外)	4	30	17		千克	AP	Waste and scrape of silicon, containing by weight not less than 99.99% (excluding solar-grade polysilicon)
2804.6190 92	含硅量 ≥ 99.99% 的太阳能级多晶硅	4	30	17		千克		Solar grade polysilicon silicon content ≥ 99.99%
2804.6190 93	含硅量 ≥ 99.99% 的太阳能级多晶硅废碎料	4	30	17		千克	AP	Solar grade polysilicon silicon content ≥ 99.99% of waste and scrap
2804.6190 99	其他含硅量 ≥ 99.99% 的硅(太阳能级多晶硅除外)	4	30	17		千克		Other silicon, containing by weight not less than 99.99% (excluding solar-grade polysilicon)
2804.6900	--其他	4	30	17		千克		--Other
	-磷:							-Phosphorus;
2804.7010	---黄磷(白磷)	5.5	30	17		千克	AB	---Yellow phosphorus (white phosphorus)
2804.7090	---其他	5.5	30	17		千克		---Other
2804.7090 10	红磷	5.5	30	17		千克	ABG	Red phosphorus
2804.7090 90	其他磷	5.5	30	17		千克		Other phosphorus
2804.8000	-砷	5.5	30	17		千克	ABX	-Arsenic
	-硒:							-Selenium;
2804.9010	---经掺杂用于电子工业的硒晶体棒	4	17	17		千克		---Crystals doped for use in electronics, in the form of cylinders or rods
2804.9090 ^暂	---其他	0	30	17	13	千克		---Other
28.05	碱金属、碱土金属;稀土金属、钪及钇,不论是否相互混合或相互熔合;汞:							Alkali or alkaline-earth metals; rare-earth metals, scandium and yttrium, whether or not intermixed or interalloyed; mercury:
	-碱金属及碱土金属:							-Alkali metals or alkaline-earth metals;
2805.1100	--钠	5.5	30	17		千克	AB	--Sodium
2805.1200 ^暂	--钙	1	30	17		千克		--Calcium
2805.1200 ^暂 10	高纯度钙[金属杂质(除镁外)含量<1‰, 硼含量小于十万分之一]	1	30	17		千克	3A	Calcium, with a high purity, metallic impurity (other than Magnesium) < 1‰, containing boron < 1/10 ⁵
2805.1200 ^暂 90	其他钙	1	30	17		千克		Other Calcium

附件 6

商品统计

您还有777 / 800次查询未使用

起止时间: 2014 年 01 月 -- 12 月

进出口: ☒ 进口 ☐ 出口 ☐ 进出口

商品: 28046190

选择商品

统计方式: ☐ 总量值 ☒ 按国家 ☐ 按地区 ☐ 按口岸

商品分国别、商品分地区、商品分口岸可在此进一步选择

国家: ☒ 贸易额前100 ☐ 贸易量前100

选择国家

高级

验证码: 3785 7716

查 询

2014年1月到2014年12月商品统计表

(金额: 美元)

注: 商品在指定时段内如未发生实际进出口, 则商品在该时段的查询结果将不在表中显示

商品统计

您还有790 / 800次查询未使用

起止时间: 2014 年 01 月 -- 12 月

进出口: ☒ 进口 ☐ 出口 ☐ 进出口

商品: 28046190

选择商品

统计方式: ☒ 总量值 ☐ 按国家 ☐ 按地区 ☐ 按口岸

商品分国别、商品分地区、商品分口岸可在此进一步选择

高级

验证码: 1856 4307

查 询

2014年1月到2014年12月商品统计表

(金额: 美元)

注: 商品在指定时段内如未发生实际进出口, 则商品在该时段的查询结果将不在表中显示

商品统计

您还有795 / 800次查询未使用

起止时间: 2014 年 01 月 -- 12 月

进出口: ☐ 进 ☒ 出 ☐ 进出

商品: 28046190

选择商品

统计方式: ☒ 总量值 ☐ 按国家 ☐ 按地区 ☐ 按口岸

商品分国别、商品分地区、商品分口岸可在此进一步选择

高级

验证码: rr 7H5

查 询

2014年1月到2014年12月商品统计表

(金额: 美元)

注: 商品在指定时段内如未发生实际进出口, 则商品在该时段的查询结果将不在表中显示

声明: 所提供的信息仅作为参考、不得用于行政或司法程序。

2015年1月到2015年12月商品统计表				(金额: 美元)
商品名称	计量单位	国家	数量	金额
28046190 其他含硅量≥99.99%的硅	千克	133 韩国	48,394,086	788,805,697
		304 德国	31,284,401	630,973,413
		502 美国	12,502,632	235,289,189
		143 台澎金马关税区	10,721,748	227,750,544
		122 马来西亚	4,603,560	76,617,351
		116 日本	1,347,819	26,610,313
		326 挪威	2,163,183	26,291,432
		131 沙特阿拉伯	1,070,880	10,714,648
		701 国(地)别不详	69,688	2,327,465
		347 乌克兰	32,546	497,303
		344 俄罗斯联邦	10,500	273,000
		115 以色列	3	230,658
		331 瑞士	8	204,033
		142 中国	8,655	166,322
		501 加拿大	6,939	114,852
		312 西班牙	2,000	48,000
		132 新加坡	2,256	40,864
		305 法国	4	26,016
		136 泰国	0	7,500
		303 英国	0	1,077
		309 荷兰	5	988

注: 商品在指定时段内如未发生实际进出口, 则商品在该时段的查询结果将不在表中显示

商品统计

您还有796 / 800次查询未使用

起止时间:

2015 年 01 月 12 月

进出口:

☐ 进
 ☒ 出
 ☐ 进出

商品: 28046190

选择商品 ▾

统计方式:

☒ 总值
 ☐ 按国家
 ☐ 按地区
 ☐ 按口岸

商品分国别、商品分地区、商品分口岸可在此进一步选择

高级 ▾

验证码: hkd

41

查询

2015年1月到2015年12月商品统计表				(金额: 美元)
商品名称	计量单位	数量	金额	
28046190 其他含硅量≥99.99%的硅	千克	7,541,112	111,191,483	

注: 商品在指定时段内如未发生实际进出口, 则商品在该时段的查询结果将不在表中显示

统计数据查询

起止时间: 2018-01 - 2018-09 进出口标志: ☒ 进口 ☐ 出口 ☐ 进出口 币制: ☐ 人民币 ☒ 美元

输出字段分组: 商品 28046190

输出字段分组: 国家 选填项。仅支持输入条件代码, 多项用英文逗号分隔, 如: 10,11

验证码: 0x4  换一张 查询 代码参考: 国别 商品 贸易方式 企业注册地

商品	国家	第一数量	计量单位	美元
1 28046190其他含砷量≥99.99%的砷	116 日本	2289132	09 千克	47689128
2 28046190其他含砷量≥99.99%的砷	122 马来西亚	9217415	09 千克	130968799
3 28046190其他含砷量≥99.99%的砷	132 新加坡	87	09 千克	310
4 28046190其他含砷量≥99.99%的砷	133 韩国	42511505	09 千克	642672877
5 28046190其他含砷量≥99.99%的砷	136 泰国	1652	09 千克	11564
6 28046190其他含砷量≥99.99%的砷	142 中国	5607	09 千克	182638
7 28046190其他含砷量≥99.99%的砷	143 台澎金马关税区	12577345	09 千克	217590450
8 28046190其他含砷量≥99.99%的砷	303 英国	0	09 千克	291
9 28046190其他含砷量≥99.99%的砷	304 德国	34588596	09 千克	539528800
10 28046190其他含砷量≥99.99%的砷	305 法国	565	09 千克	9708

10 第 1 页 当前 1 - 10 条数据 共 16 条数据

统计数据查询

起止时间: 2018-01 - 2018-09 进出口标志: ☒ 进口 ☐ 出口 ☐ 进出口 币制: ☐ 人民币 ☒ 美元

输出字段分组: 商品 28046190

输出字段分组: 无

验证码: zzx4  换一张 查询 代码参考: 国别 商品 贸易方式 企业注册地

商品	第一数量	计量单位	美元
1 28046190其他含砷量≥99.99%的砷	108156383	09 千克	1676345737

10 第 1 页 当前 1 - 1 条数据 共 1 条数据

统计数据查询

起止时间: 2018-01 - 2018-09 进出口标志: ☐ 进口 ☒ 出口 ☐ 进出口 币制: ☐ 人民币 ☒ 美元

输出字段分组: 商品 28046190

输出字段分组: 无

验证码: n04p  换一张 查询 代码参考: 国别 商品 贸易方式 企业注册地

商品	第一数量	计量单位	美元
1 28046190其他含砷量≥99.99%的砷	1599636	09 千克	26075664

10 第 1 页 当前 1 - 1 条数据 共 1 条数据

附件 7

an eligible educational institution (as defined in section 529(e)(5)).

(e) Denial of double benefit

A credit shall not be allowed under this section for any qualified investment for which a credit is allowed under section 48A.

(f) Recapture of credit for failure to sequester

The Secretary shall provide for recapturing the benefit of any credit allowable under subsection (a) with respect to any project which fails to attain or maintain the separation and sequestration requirements for such project under subsection (d)(1).

(Added Pub. L. 109–58, title XIII, §1307(b), Aug. 8, 2005, 119 Stat. 1004; amended Pub. L. 110–343, div. B, title I, §112(a)–(e), Oct. 3, 2008, 122 Stat. 3824; Pub. L. 111–5, div. B, title I, §1103(b)(2)(D), Feb. 17, 2009, 123 Stat. 321.)

REFERENCES IN TEXT

The enactment of the Revenue Reconciliation Act of 1990, referred to in subsec. (b)(3), is the date of enactment of title XI of Pub. L. 101–508, which was approved Nov. 5, 1990.

The date of the enactment of this section, referred to in subsec. (d)(1), is the date of enactment of Pub. L. 109–58, which was approved Aug. 8, 2005.

AMENDMENTS

2009—Subsec. (b)(2). Pub. L. 111–5 inserted “(without regard to subparagraph (D) thereof)” after “section 48(a)(4)”.

2008—Subsec. (a). Pub. L. 110–343, §112(a), inserted “(30 percent in the case of credits allocated under subsection (d)(1)(B))” after “20 percent”.

Subsec. (c)(7)(H). Pub. L. 110–343, §112(e), added subpar. (H).

Subsec. (d)(1). Pub. L. 110–343, §112(b), substituted “shall not exceed—” for “shall not exceed \$350,000,000 under rules similar to the rules of section 48A(d)(4).” and added subpars. (A) and (B).

Subsec. (d)(4). Pub. L. 110–343, §112(d), added par. (4).

Subsec. (f). Pub. L. 110–343, §112(c), added subsec. (f).

EFFECTIVE DATE OF 2009 AMENDMENT

Amendment by Pub. L. 111–5 applicable to periods after Dec. 31, 2008, under rules similar to the rules of section 48(m) of this title as in effect on the day before Nov. 5, 1990, see section 1103(c)(1) of Pub. L. 111–5, set out as a note under section 25C of this title.

EFFECTIVE DATE OF 2008 AMENDMENT

Pub. L. 110–343, div. B, title I, §112(f), Oct. 3, 2008, 122 Stat. 3824, provided that: “The amendments made by this section [amending this section] shall apply to credits described in section 48B(d)(1)(B) of the Internal Revenue Code of 1986 which are allocated or reallocated after the date of the enactment of this Act [Oct. 3, 2008].”

EFFECTIVE DATE

Section applicable to periods after Aug. 8, 2005, under rules similar to the rules of section 48(m) of this title, as in effect on the day before Nov. 5, 1990, see section 1307(d) of Pub. L. 109–58, set out as an Effective Date of 2005 Amendment note under section 46 of this title.

§ 48C. Qualifying advanced energy project credit

(a) In general

For purposes of section 46, the qualifying advanced energy project credit for any taxable year is an amount equal to 30 percent of the qualified investment for such taxable year with

respect to any qualifying advanced energy project of the taxpayer.

(b) Qualified investment

(1) In general

For purposes of subsection (a), the qualified investment for any taxable year is the basis of eligible property placed in service by the taxpayer during such taxable year which is part of a qualifying advanced energy project.

(2) Certain qualified progress expenditures rules made applicable

Rules similar to the rules of subsections (c)(4) and (d) of section 46 (as in effect on the day before the enactment of the Revenue Reconciliation Act of 1990) shall apply for purposes of this section.

(3) Limitation

The amount which is treated for all taxable years with respect to any qualifying advanced energy project shall not exceed the amount designated by the Secretary as eligible for the credit under this section.

(c) Definitions

(1) Qualifying advanced energy project

(A) In general

The term “qualifying advanced energy project” means a project—

(i) which re-equips, expands, or establishes a manufacturing facility for the production of—

(I) property designed to be used to produce energy from the sun, wind, geothermal deposits (within the meaning of section 613(e)(2)), or other renewable resources,

(II) fuel cells, microturbines, or an energy storage system for use with electric or hybrid-electric motor vehicles,

(III) electric grids to support the transmission of intermittent sources of renewable energy, including storage of such energy,

(IV) property designed to capture and sequester carbon dioxide emissions,

(V) property designed to refine or blend renewable fuels or to produce energy conservation technologies (including energy-conserving lighting technologies and smart grid technologies),

(VI) new qualified plug-in electric drive motor vehicles (as defined by section 30D), qualified plug-in electric vehicles (as defined by section 30(d)), or components which are designed specifically for use with such vehicles, including electric motors, generators, and power control units, or

(VII) other advanced energy property designed to reduce greenhouse gas emissions as may be determined by the Secretary, and

(ii) any portion of the qualified investment of which is certified by the Secretary under subsection (d) as eligible for a credit under this section.

(B) Exception

Such term shall not include any portion of a project for the production of any property

which is used in the refining or blending of any transportation fuel (other than renewable fuels).

(2) Eligible property

The term “eligible property” means any property—

(A) which is necessary for the production of property described in paragraph (1)(A)(i),

(B) which is—

(i) tangible personal property, or
(ii) other tangible property (not including a building or its structural components), but only if such property is used as an integral part of the qualified investment credit facility, and

(C) with respect to which depreciation (or amortization in lieu of depreciation) is allowable.

(d) Qualifying advanced energy project program

(1) Establishment

(A) In general

Not later than 180 days after the date of enactment of this section, the Secretary, in consultation with the Secretary of Energy, shall establish a qualifying advanced energy project program to consider and award certifications for qualified investments eligible for credits under this section to qualifying advanced energy project sponsors.

(B) Limitation

The total amount of credits that may be allocated under the program shall not exceed \$2,300,000,000.

(2) Certification

(A) Application period

Each applicant for certification under this paragraph shall submit an application containing such information as the Secretary may require during the 2-year period beginning on the date the Secretary establishes the program under paragraph (1).

(B) Time to meet criteria for certification

Each applicant for certification shall have 1 year from the date of acceptance by the Secretary of the application during which to provide to the Secretary evidence that the requirements of the certification have been met.

(C) Period of issuance

An applicant which receives a certification shall have 3 years from the date of issuance of the certification in order to place the project in service and if such project is not placed in service by that time period, then the certification shall no longer be valid.

(3) Selection criteria

In determining which qualifying advanced energy projects to certify under this section, the Secretary—

(A) shall take into consideration only those projects where there is a reasonable expectation of commercial viability, and

(B) shall take into consideration which projects—

(i) will provide the greatest domestic job creation (both direct and indirect) during the credit period,

(ii) will provide the greatest net impact in avoiding or reducing air pollutants or anthropogenic emissions of greenhouse gases,

(iii) have the greatest potential for technological innovation and commercial deployment,

(iv) have the lowest levelized cost of generated or stored energy, or of measured reduction in energy consumption or greenhouse gas emission (based on costs of the full supply chain), and

(v) have the shortest project time from certification to completion.

(4) Review and redistribution

(A) Review

Not later than 4 years after the date of enactment of this section, the Secretary shall review the credits allocated under this section as of such date.

(B) Redistribution

The Secretary may reallocate credits awarded under this section if the Secretary determines that—

(i) there is an insufficient quantity of qualifying applications for certification pending at the time of the review, or

(ii) any certification made pursuant to paragraph (2) has been revoked pursuant to paragraph (2)(B) because the project subject to the certification has been delayed as a result of third party opposition or litigation to the proposed project.

(C) Reallocation

If the Secretary determines that credits under this section are available for reallocation pursuant to the requirements set forth in paragraph (2), the Secretary is authorized to conduct an additional program for applications for certification.

(5) Disclosure of allocations

The Secretary shall, upon making a certification under this subsection, publicly disclose the identity of the applicant and the amount of the credit with respect to such applicant.

(e) Denial of double benefit

A credit shall not be allowed under this section for any qualified investment for which a credit is allowed under section 48, 48A, or 48B.

(Added Pub. L. 111-5, div. B, title I, §1302(b), Feb. 17, 2009, 123 Stat. 345.)

REFERENCES IN TEXT

Subsections (c)(4) and (d) of section 46 (as in effect on the day before the enactment of the Revenue Reconciliation Act of 1990), referred to in subsec. (b)(2), means section 46(c)(4) and (d) as in effect before enactment of Pub. L. 101-508, which amended section 46 generally.

The date of enactment of this section, referred to in subsec. (d)(1)(A), (4)(A), is the date of enactment of Pub. L. 111-5, which was approved Feb. 17, 2009.

EFFECTIVE DATE

Section applicable to periods after Feb. 17, 2009, under rules similar to the rules of section 48(m) of this title as in effect on the day before Nov. 5, 1990, see section 1302(d) of Pub. L. 111-5, set out as an Effective Date of 2009 Amendment note under section 46 of this title.

附件 8



WHAT \$40 MEANS TO AMERICANS ACROSS THE COUNTRY

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The White House

Office of the Press Secretary

For Immediate Release

January 08, 2010

Fact Sheet: \$2.3 Billion in New Clean Energy Manufacturing Tax Credits

President Obama announced awardees of the **clean energy manufacturing tax credit** in the American Recovery and Reinvestment Act.

In order to foster investment and job creation in clean energy manufacturing, the American Recovery and Reinvestment Act included a **tax credit for investments in manufacturing facilities for clean energy technologies**. The **Section 48C program will provide a 30 percent tax credit for investments in 183 manufacturing facilities for clean energy products across 43 states**.

This tax credit program will help build a robust high technology, US manufacturing capacity to supply clean energy projects with US made parts and equipment. These manufacturing facilities should also support significant growth in US exports of US manufactured clean energy products.

The \$2.3 billion in tax credits is being allocated on a competitive basis. Projects are assessed based on the following criteria: commercial viability, domestic job creation, technological innovation, speed to project completion, and potential for reducing air pollution and greenhouse gas emissions. The Department of Energy also considered additional factors including diversity of geography, technology and project size, and regional economic development.

The program is currently capped at **\$2.3 billion in tax credits** and was oversubscribed by a ratio of more than 3 to 1, reflecting a deep pipeline of high quality clean energy manufacturing opportunities in the U.S. These tax credits for clean energy manufacturing will help rebuild domestic manufacturing and bring private capital off the sidelines.

With this announcement, IRS has certified applications posted [HERE](#), and notified the certified projects with the approved amount of their tax credit. Awardees will receive acceptance agreements from the IRS by April 16, 2010. Credits will be allocated until the program funding (\$2.3 billion) is exhausted. Subsequent allocation periods will depend on remaining funds.

Estimated Jobs Impact and Timeline of the 48C Manufacturing Tax Credits:

Recovery Act investments of up to \$2.3 billion for advanced energy manufacturing facilities will generate more than 17,000 jobs. This investment will be matched by as much as \$5.4 billion in private sector funding likely supporting up to 41,000 additional jobs.

Timing of Projects:

The statute authorizing the 48C tax credits allows projects that are completed on or after February 17, 2009, when the Recovery Act was signed. Projects must be commissioned before February 17, 2013. The statute favors the selection of projects that are in service early. As a result, some of the selected projects already have been completed and begun operation.

Applicant Pool:

The application deadline for the 48C program was October 16, 2009. Over 500 applications were received with tax credit requests totaling over \$8 billion. The 48C applications pool was distributed across many clean energy technologies and was geographically distributed to more than 40 states.

Qualifying manufacturing facilities included the production of a wide range of clean energy products:

- Solar, wind, geothermal, or other renewable energy equipment
- Electric grids and storage for renewables
- Fuel cells and microturbines
- Energy storage systems for electric or hybrid vehicles
- Carbon dioxide capture and sequestration equipment

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- The statutorily specified review criteria included:

- ### Expanded Support for 48C Tax Credits to Accelerate Manufacturing Job Creation:

Because the 48C program generated far more interest than anticipated, DOE and Treasury have a substantial backlog of technically acceptable applications. Instead of turning down worthy applicants who are willing to invest private resources to build and equip factories that manufacture clean energy products in America, the Administration has called on Congress to provide an additional \$5 billion to expand the program. Because there is already an existing pipeline of worthy projects and substantial interest in this area, these funds will be deployed quickly to create jobs and support economic activity. In doing so, the Administration will employ new approaches to ensure that we maximize private investment for every dollar we invest.



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		Urban Policy			
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Women					
Additional Issues					

SELECTIONS FOR SECTION 48C MANUFACTURING TAX CREDIT

Applicant Name		Tax Credit				Facility			Updated Descriptions	
		Requested	Technology Area	Facility City	State	HQ City	HQ State			
AAF-McQuay, Inc.		\$ 570,000	Buildings	Columbia	MO	Louisville	KY	AAF will re-equip its manufacturing facility to establish a versatile mini-pleating and assembly process that is capable of making polytetrafluoroethylene (PTFE) and other synthetic media air filters for the ASHRAE (American Association of Heating, Refrigeration, and Air-Conditioning Engineers) and HEPA (high efficiency particulate air) markets. The end result will be a new product family of air filtration products to achieve lowest air pressure drop.		
AAF-McQuay, Inc.		\$ 1,374,300	Buildings	Fairbault	MN	Louisville	KY	AAF will re-equip a manufacturing facility for the production of rooftop air-conditioning systems used on Heating, Ventilation, and Air-Conditioning (HVAC) systems.		
AAF-McQuay, Inc.		\$ 774,937	Buildings	Verona	VA	Verona	VA	AAF plans to re-equip a manufacturing facility to produce Next-Generation Centrifugal Chiller Rooftop Air Conditioning systems. The chillers are significantly more energy-efficient than those currently on the market.		
Abound Solar, Inc.		\$ 12,600,000	Solar PV	Longmont	CO	Longmont	CO	Abound Solar will expand facility capacity with an additional manufacturing line. This facility is solely dedicated to commercial production of PV solar panels using cadmium telluride semiconductor technology.		
Acuity Brands, Inc.		\$ 225,000	Buildings	Wallingford	CT	Wallingford	CT	Acuity Brands will re-equip an existing facility with equipment used in the production of energy-saving lighting sensors. Sensors are used in lighting applications to control light levels based on occupancy and are used in daylighting systems.		
Acuity Brands, Inc.		\$ 547,097	Buildings	Crawfordsville	IN	Crawfordsville	IN	Acuity plans to manufacture three energy-efficient LED luminaire outdoor products in its production facility. Lighting fixtures that include light-emitting diode ("LED") technologies can dramatically reduce energy consumption while reducing maintenance costs associated with the luminaire due to longer product lifetimes.		
AcuTemp		\$ 900,000	Buildings	Dayton	OH	Dayton	OH	AcuTemp will purchase equipment for a six-fold increase in manufacturing of high performance Vacuum Insulation Panels for residential refrigerators. The panels are used in high efficiency Energy Star appliances.		
Advanced Energy Industries, Inc.		\$ 1,230,000	Solar Components and Materials	Ft. Collins	CO	Ft. Collins	CO	Advanced Energy Industries plans to establish a manufacturing facility for the production of commercial and utility-scale solar inverters. Inverters are used to integrate solar PV installations.		
Aerovironment, Inc		\$ 310,800	Battery	Monrovia	CA	Monrovia	CA	Aerovironment plans to manufacture a patent pending Mobile Charger that combines a battery pack with a Level 3 DC connector. It is designed for on-road service trucks to provide a quick charge to stranded battery electric vehicles similar to an "out-of-gas" situation.		
Aerovironment, Inc		\$ 369,600	Battery	Monrovia	CA	Monrovia	CA	Aerovironment plans to purchase equipment for manufacturing 25KWh LTO advanced battery packs and battery management systems.		
Airxchange Inc.		\$ 920,870	Buildings	Rockland	MA	Rockland	MA	Airxchange will expand a facility to produce Enthalpy/Energy Recovery Wheels (ERWs) that recycle up to 80% of previously expended energy in building exhaust air. The products allow preconditioning of incoming outdoor air 5-7 times more efficiently than conventional heating and airconditioning systems reducing design heating, cooling, humidification and dehumidification loads and conserving energy summer and winter.		
Alstom Inc.and Subsidiaries		\$ 63,000,000	Nuclear	Chattanooga	TN	Windsor	CT	Alstom will establish a new turbine manufacturing facility designed to manufacture the world's largest steam turbines, with unit output up to 1700 MW. The new facility will focus on turbines used in advanced nuclear power plants, retrofitting existing turbines in nuclear power plants with higher efficiency technologies, turbines in new hydro power plants, and retrofitting existing turbines in hydro power plants with higher efficiency technologies.		
Alstom Inc.and Subsidiaries		\$ 2,725,800	Wind Towers	Amarillo	TX	Windsor	CT	The Alstom assembly factory will produce and assemble the complete nacelle for wind turbines including (hub, gearbox, frames, generator, electrical convertor, etc.) for its 60Hz North American product line. This product line is comprised of two wind turbine platforms; the ECO80 (1.67MW) and the larger ECO 100 (3.0MW).		
American Railcar Industries		\$ 3,654,096	Wind Towers	Marmaduke	AR	Fort Dodge	IA	American Railcar Industries will re-equip a manufacturing plant for the production of 500 structural steel towers per year for large-scale commercial wind turbines used to generate wind energy.		
American Railcar Industries		\$ 5,347,464	Wind Towers	Fort Dodge	IA	Fort Dodge	IA	American Railcar Industries will re-equip a rail car manufacturing plant for the production of 500 structural steel towers per year for large-scale commercial wind turbines.		
Amonix, Inc		\$ 3,629,998	Solar PV	Phoenix	AZ	Phoenix	AZ	Amonix will manufacture low-cost solar electricity systems using inexpensive plastic lenses that concentrate sunlight. The systems generate 500 times more solar electric power from small, high efficiency solar cells.		
Amonix, Inc		\$ 5,889,149	Solar PV	Las Vegas	NV	Las Vegas	NV	Amonix will manufacture low-cost solar electricity systems using inexpensive plastic lenses that concentrate sunlight. The systems generate 500 times more solar electric power from small, high efficiency solar cells.		
Applied Photovoltaics, LLC		\$ 1,068,986	Solar PV	Ewing	NJ	Titusville	NJ	Applied Photovoltaics will manufacture solar energy modules for use in building integrated photovoltaics.		
Bassett, Inc. (dba Bassett Mechanical)		\$ 868,500	Wind Turbines	Kaukauna	WI	Kaukauna	WI	Bassett Inc. will manufacture wind turbine towers (for 100-1,000 kW turbines) and foundation components for all sizes of turbines.		
Bassett, Inc. (dba Bassett Mechanical)		\$ 75,000	CCS	Kaukauna	WI	Kaukauna	WI	Bassett Inc. will manufacture Carbon Capture and Sequestration systems to extract/capture carbon from waste streams from coal fired power plants.		
Brevini Wind USA, Inc.		\$ 12,750,000	Wind Turbines	Yorktown	IN	Muncie	IN	Brevini Wind will establish a new manufacturing facility that will produce Main Drive Gear Boxes for wind turbine manufacturers. The product allows servicing of the gear box without the use of heavy lifting equipment to remove the entire gearbox from the wind turbine.		

CalSolar, Inc.	\$	51,563,980	Solar CSI	Sunnyvale	CA	Sunnyvale	CA	CalSolar will build a new manufacturing facility to process silicon feedstock into finished solar cells.
CalStar Products	\$	2,443,547	Industrial	Caledonia	WI	Caledonia	WI	CalStar Products will manufacture bricks and pavers from coal power plant fly ash. The process uses 88% less energy than traditional "fired" clay products, while avoiding the CO2 emission associated with concrete, and makes beneficial use of fly ash.
Cardinal Fastener & Specialty Co	\$	480,000	Wind Turbines	Bedford	OH	Bedford Hts.	OH	Cardinal Fastener & Specialty will manufacture hot forged, critical fasteners used in wind turbines - transportation bolts, tower bolts, nacelle bolts, and blade studs
Centrosolar Oregon LLC	\$	4,740,000	Solar CSI	Gresham	OR	Gresham	OR	Centrosolar Oregon LLC plans to build a manufacturing plant for PV solar modules based on crystalline silicon cells.
CertainTeed Corporation	\$	1,012,500	Buildings	Norwood	MA	Norwood	MA	CertainTeed will manufacture residential cool shingles that meet or exceed Energy Star criteria and are LEED qualified. The high-solar reflecting shingles will reduce electricity for cooling, reduce GHG, and snog formation while maintaining aesthetically pleasing colors.
Climate Master Inc.	\$	8,941,626	Geo/Buildings	Oklahoma City	OK	Oklahoma City	OK	Climate Master will expand the capacity of existing manufacturing facilities that produce water-source heat pumps (WSHP), the core technology used in geothermal heat pump systems. Geothermal heat pumps allow high efficiency space heating and cooling.
Coolerado Corporation	\$	750,000	Buildings	Denver	CO	Denver	CO	Coolerado will manufacture commercial and residential air conditioning units that use a heat exchanger incorporating an innovative thermodynamic cycle to cool the air. The patented process creates a healthier, more comfortable living environment while significantly reducing energy costs.
Cooper Power Systems, LLC	\$	495,510	Smart Grid	Nacogdoches	TX	Nacogdoches	TX	Cooper Power Systems' new facility will produce electrical transformers with amorphous steel cores. Amorphous steel core transformers provide 70% lower no-load losses than normal steel transformers.
Cooper Power Systems, LLC	\$	846,180	Smart Grid	Waukesha	WI	Waukesha	WI	Cooper Power Systems' new facility will be producing high efficiency transformers. The basis of Cooper's high efficiency technology lies with the higher grade of steel used to produce the core and coil of the transformer. Cooper utilizes the proper grade and quantity of silicon grain oriented steel in their manufacturing process to create a higher efficiency product.
Cree Inc.	\$	39,087,000	Buildings	Durham	NC	Durham	NC	Cree will purchase new equipment to add capacity and capability to lower production costs of LED chips and fixtures. LED lighting technologies represent a new source of high efficiency lighting.
Dow Corning - Solar Silane	\$	27,300,000	Solar PV	Hemlock	MI	Hemlock	MI	Dow Corning - Solar Silane will build a new monosilane facility with 60% of production dedicated to the solar PV market. Monosilane is a key component in the production of amorphous thin-film solar panels.
Ductmate Industries, Inc.	\$	192,000	Buildings	Tulsa	OK	Tulsa	OK	Ductmate will expand manufacturing and tooling capabilities for the production of energy efficient HVAC ductwork featuring self-sealing fixtures.
Ductmate Industries, Inc.	\$	82,500	Buildings	Monongahela	PA	Monongahela	PA	Ductmate will expand manufacturing and tooling capabilities for the production of energy efficient HVAC ductwork featuring self-sealing fixtures.
E.I. du Pont de Nemours and Co.	\$	50,730,000	Solar PV	Circleville	OH	Wilmington	DE	Dupont will expand production of high-performance polyvinyl fluoride films. These films are used to produce the critical protective backsheet component of solar photovoltaic modules.
Eagle Claw Fabrication LLC	\$	4,372,800	Wind Towers	Muskogee	OK	Muskogee	OK	Eagle Claw will manufacture large wind turbine towers, a component piece of wind turbine systems used to generate electricity from wind energy. Towers are typically 250 to 400 feet tall and are composed of sections approximately 100 feet long that weigh 50 tons.
Ener-G-Rotors, Inc.	\$	834,000	Industrial	Schenectady	NY	Schenectady	NY	Ener-G-Rotors will install manufacturing capacity to build systems that turn low temperature heat from industrial processes, from 180F to 240F, into 50kW of electricity.
Enertech, Inc.	\$	157,500	Wind Turbines	Newton	KS	Newton	KS	Enertech will expand its manufacturing plant to accommodate development, fabrication, and assembly of two new small-scale wind turbine models using innovative blade design and fabrication processes.
FAFCO, INC.	\$	214,500	Solar Hot Water	Chico	CA	Chico	CA	FAFCO will develop a next generation low cost, polymer based solar hot water heating system for homes. The complete system in a box will be low cost and easy to install.
First Solar, Inc.	\$	16,320,000	Solar PV	Perrysburg	OH	Tempe	AZ	First Solar will expand its manufacturing facility to produce fully completed thin-film solar modules. The solar modules are manufactured using a thin film of cadmium telluride (CdTe) as a semi-conductor material, which converts sunlight to electricity more efficiently than traditional crystalline silicon semi-conductor material.
Flabeg Solar U.S. Corporation	\$	10,187,618	Solar CSP	Clinton	PA	Clinton	PA	Flabeg Solar U.S. Corporation will produce high-temperature solar thermal mirrors for concentrating solar power plants. The facility will produce both bent and flat mirrors for parabolic trough and power tower solar plants.
Flame Metals Processing	\$	1,350,000	Wind Turbines	Rogers	MI	Rogers	MN	Flame Metals will purchase equipment used in heat treatment of gears for the gear assembly used in wind turbines.
General Electric Company - Appliances	\$	8,700,000	Industrial	Louisville	KY	Louisville	KY	GE will redevelop a manufacturing facility to produce Energy Star compliant heat pump electric water heaters that significantly improve energy efficiency compared to a traditional tank water heater.
General Electric Consumer & Industrial	\$	6,491,160	Buildings	Decatur	AL	Decatur	AL	GE will purchase machinery and equipment to produce efficient refrigerators, resulting in greenhouse gas reductions and energy savings.
General Electric Gas Turbines (Greenville) LLC	\$	26,862,000	Industrial	Greenville	SC	Greenville	SC	GE will manufacture its 7FA heavy duty gas turbines that will deliver greater output and efficiency. The turbine will help reduce GHG emissions, while maintaining leadership in reliability, availability, and the operational flexibility that power generators need to achieve greater revenues in cyclic and peaking operation.
General Electric Lighting, Inc	\$	19,831,680	Buildings	Bucyrus	OH	East Cleveland	OH	GE will re-equip a lamp plant to manufacture energy conserving T8 and T5 linear fluorescent lamps. These lamps will primarily replace less efficient T12 linear fluorescent lamps and HID lamps.

GEMX Technologies LLC	\$ 25,500,000	Battery	Schenectady	NY	Schenectady	NY	GEMX will re-equip an existing manufacturing facility. The facility will produce sodium metal halide batteries for various markets, including electricity grid support and regulation services to help support renewable energy penetration levels, enable remote power systems based on renewable energy sources, and help increase efficiency by reduced peak power demands.
General Electric	\$ 4,800,000	Industrial	Louisville	KY	Louisville	KY	GE will manufacture a commercially viable Heat Pump Clothes Dryer for residential application.
General Electric Company	\$ 11,304,900	Buildings	Louisville	KY	Louisville	KY	GE will re-equip a facility to manufacture new Energy Star compliant appliances - specifically Ultra-high Efficient Dishwashers. This new dishwasher line will exceed the future, anticipated ENERGY STAR standards for residential dishwashers and be designed to plug into the 'smart grid' to effectively manage peak electrical demand.
General Electric Company	\$ 11,860,058	Industrial	Rutland	VT	NA	NA	GE Aviation will purchase machinery and equipment that will be used to manufacture the new GENx aircraft engine. The GENx engine will significantly reduce greenhouse gas emissions and reduce the annual fuel consumption for its operators.
Great Lakes Industry, Inc	\$ 1,301,190	Wind Turbines	Jackson	MI	Jackson	MI	Great Lakes Industry will manufacture component precision gears for multi-megawatt wind turbine gearboxes. Nearly all multi-megawatt wind turbines use highly efficient gearboxes to drive electrical generator(s) inside the turbine nacelle.
GreenRay, Inc.	\$ 180,000	Solar Components and Materials	Westford	MA	Westford	MA	GreenRay will manufacture a simplified "plug and play" AC solar electricity system for residential rooftops.
Guardian Automotive Products Inc.	\$ 3,375,000	Solar CSP	Auburn	IN	Auburn	IN	Guardian Automotive will re-equip an existing manufacturing facility for the purpose of producing bent solar mirrors. This project will double production capabilities to create 1 million bent solar mirrors annually to support the concentrating solar power industry.
Guardian Automotive Products Inc.	\$ 525,000	Solar CSP	Auburn	IN	Auburn	IN	Guardian Automotive will re-equip an existing manufacturing facility to produce solar bent mirrors. The company will use new equipment to add the reflective coating to flat glass prior to bending to achieve the optimal reflective performance demanded by solar field developers.
Guardian Automotive Products, Inc.	\$ 1,249,800	Solar CSP	Auburn	IN	Auburn	IN	Guardian Automotive will re-equip existing manufacturing facilities to produce solar bent mirrors.
Guardian Industries Corp	\$ 2,707,560	Solar CSP	Carleton	MI	Carleton	MI	Guardian Industries will expand production for an existing facility to produce unique low iron pattern glass used in solar applications. Once completed, this facility would be the only US owned manufacturer of solar low iron pattern glass in North America and would enable the production of more than 600MW of crystalline silicon modules
Guardian Industries Corp	\$ 900,000	Solar CSP	DeWitt	IA	DeWitt	IA	Guardian Industries will re-equip an existing manufacturing facility to produce bent solar mirrors. The project will modify and enhance the existing mirror line to enable the facility to mirror glass in a single throughput on the production line, while at the same time achieving a multi-layer specialized paint coating to protect and preserve the reflective layers of copper and silver. Preservation of these reflective layers is critical to the achievement of long service lives of highly reflective solar mirrors.
Hexcel Semiconductor Corp.	\$ 141,870,000	Solar Components and Materials	Hemlock	MI	Hemlock	MI	Hexcel Semiconductor will expand a manufacturing plant that produces polycrystalline-silicon used in the production of solar panels. The plants, when fully operational, will produce 19,200 metric tons per year.
Hexcel Corporation	\$ 8,139,510	Wind Blades	Windsor	CO	Windsor	CO	Hexcel Corporation will establish a technologically advanced manufacturing facility to produce high-performance epoxy, glass, and carbon fiber composite materials. The composites will be used in the manufacture of wind turbine blades.
Ice Energy, Inc.	\$ 1,508,973	Smart Grid	Hammondsport	NY	Windsor	CO	Ice Energy will expand a facility to design and manufacture energy storage modules for use with direct expansion air conditioners commonly found in commercial and small industrial applications. When deployed, the asset enables the storage of electricity from renewable energy resources in the form of ice.
ilumisys, Inc.	\$ 1,305,480	Buildings	Troy	MI	Troy	MI	ilumisys will automate manufacture of LED replacements for fluorescent lighting.
Ingeteam Inc.	\$ 1,665,299	Wind Turbines	Milwaukee	WI	Milwaukee	WI	Ingeteam Inc. will manufacture wind turbine generators in various technologies, including PMG, DFM, xDFM. They will also manufacture power converter and control systems for both the wind and solar industry.
Iron	\$ 5,151,000	Smart Grid	West Union	SC	West Union	SC	Iron plans to re-equip an existing facility to produce the OpenWay CENTRON meter, a fully inter-operable, solid-state smart meter with a built-in, two-way communications path and integrated remote on/off switch. The CENTRON meter is the first advanced meter for the residential market providing open-standards architecture, modular design for communications flexibility, and extensive functionality to support smart grid infrastructure.
Johnson Plate & Tower Fabrication, Inc.	\$ 2,385,494	Wind Towers	Santa Teresa	NM	Santa Teresa	NM	Johnson Plate & Tower Fabrication will establish and design a facility to manufacture commercial wind towers. The facility will produce properly that, after further manufacturing, will become Specified Advanced Energy Property used in the production of energy from wind resources.
Johnson Plate & Tower Fabrication, Inc.	\$ 1,421,852	Wind Towers	Canutillo	TX	Canutillo	TX	Johnson Plate & Tower Fabrication, Inc. will re-equip a facility to manufacture commercial wind towers to be used ultimately with turbines to generate renewable energy.
Kaydon	\$ 1,774,800	Wind Turbines	Milwaukee	WI	Ann Arbor	MI	Kaydon will apply the tax credits to re-equip and expand an existing manufacturing facility to produce "critical pitch and yaw" bearings used in the production and assembly of wind energy turbines.
Martifer-Hirschfeld Energy Systems LLC	\$ 3,474,269	Wind Towers	San Angelo	TX	San Angelo	TX	Martifer-Hirschfeld Energy Systems LLC will develop a factory for the production of steel towers for wind turbine generators. This evolution will allow the wind tower plant to achieve considerable gains in terms of efficiency and in production times.

Merrill Technologies Group	\$	22,021,500	Wind Towers	Saginaw	MI	Saginaw	MI	Merrill Technologies Group will invest \$73 million in advanced manufacturing equipment to support the production of nacelles for Northern Power's new 2.2 MW utility-scale wind turbine. Project will progress through prototype and pilot phases into serial production.
Metglas, Inc.	\$	4,890,000	Smart Grid	Conway	SC	Conway	SC	Metglas, Inc. will purchase equipment for a casting expansion to increase domestic production of amorphous metals that form the core of the most energy efficient transformers. The equipment will reduce the amount of lost electricity due to transformer distribution losses.
Miasole	\$	10,450,200	Solar PV	Santa Clara	CA	Santa Clara	CA	Miasole will manufacture Solar PV Cells and modules based on an innovative thin-film production technology. These Solar PV Cells will drive lower the costs of renewable clean electricity generation.
Miasole	\$	91,350,000	Solar PV	Santa Clara	CA	Santa Clara	CA	Miasole will manufacture Solar PV Cells and modules based on an innovative thin-film production technology. These Solar PV Cells will drive lower the costs of renewable clean electricity generation.
Mitsubishi Power Systems Americas, Inc.	\$	5,100,000	Wind Turbines	Fort Smith	AR	Fort Smith	AR	Mitsubishi Power Systems Americas, Inc. will create a new facility that will manufacture nacelles for 2.4MW wind turbines. These nacelles will be used for the production of wind energy.
Monogram Refrigeration, LLC	\$	7,257,882	Buildings	Selmer	TN	Selmer	TN	Monogram Refrigeration, LLC will install newly purchased machinery and equipment to produce both Energy Star-qualified and non-Energy Star-qualified refrigerators. The creation of these energy efficient appliances will result in a reduction of energy usage.
Nanosolar	\$	43,453,309	Solar PV	San Jose	CA	San Jose	CA	Nanosolar will factory produce tools for the manufacturing of low-cost, low-GHG emission solar cells, using nanotechnology-enabled roll-to-roll processes. Tools enable high throughput production steps including printing of electronic ink, annealing, various deposition steps, cell assembly, and quality control and testing of structural and functional properties of product.
Nordex USA Inc	\$	22,153,500	Wind Turbines	Jonesboro	AR	Jonesboro	AR	Nordex USA, Inc. will build its first facility for wind turbines. This project will use renewable energy and will help build wind turbines to generate renewable energy.
Nordic Windpower	\$	3,000,000	Wind Turbines	Pocatello	ID	Pocatello	ID	Nordic Windpower will establish manufacturing operations for an innovative wind turbine technology that uses two blades and a patented teeter-hub technology that dampens loads. The end product will result in a lightweight turbine that is at least 10% less costly to manufacture, install, operate and maintain than competing systems for renewable wind energy production.
Novozymes Blair, Inc.	\$	28,401,000	Biomass	Blair	NE	Blair	NE	Novozymes Blair, Inc. will install equipment at a new manufacturing facility to produce biocatalysts (enzymes) used in manufacturing cellulosic ethanol from corn stover by the biochemical platform (biomass pretreatment, enzymatic hydrolysis, fermentation, distillation). These biocatalysts will aid the production of biofuels as a renewable energy source.
Pacific Metal Fab, LLC	\$	303,801	Solar Hot Water - This panel May move with timing	Eugene	OR	Eugene	OR	Pacific Metal Fab, LLC will re-equip and expand its manufacturing facility to produce components for passive solar water heaters, specifically tanks, plumbing modules, and the frames that hold them. These components will promote greater energy efficiency in appliances.
Porocel Industries, LLC	\$	2,880,000	Battery	Little Rock	AR	Cincinnati	OH	Porocel Industries, LLC will construct and operate a plant for drying, grinding, calcining, and packaging process steps for the production of intermediate material used in the production of Conoco Phillips' CPrime® Anode. The result will aid in competitive domestic battery manufacturing capability.
PPG Industries, Inc.	\$	267,476	Solar PV	Mt. Zion	PA	Mt. Zion	PA	PPG Industries will manufacture a Transparent Conductive Oxide (TCO) coating for glass to be used as a substrate to construct photovoltaic solar cells. The result will aid in competitive domestic solar PV panel manufacturing.
PPG Industries, Inc.	\$	149,100	Solar PV	Carlisle	PA	Carlisle	PA	PPG Industries will produce a double anti-reflective coating for glass that will permit increased light transmittance in solar modules. The result will aid in competitive domestic solar PV panel manufacturing.
PPG Industries, Inc.	\$	1,260,000	Vehicles	Lake Charles	LA	Lake Charles	LA	PPG Industries will manufacture HI Sil 190 G and HI SH HDP 320 G, highly dispersible silica and to sell to tire manufacturers. The product, when incorporated into the tire rubber, will create a tire with reduced rolling resistance. The resulting product will increase vehicle fuel efficiency.
Premium Power	\$	3,000,000	Smart Grid	North Reading	MA	North Reading	MA	Premium Power will establish a manufacturing facility to produce its proprietary Zinc-Flow® advanced renewable energy storage systems. The technology will deliver high energy storage density, long product life, and deep discharge capability for use in SmartGrid.
Ramgen Power Systems, LLC	\$	4,767,438	CCS	Orlean	NY	Bellevue	WA	Ramgen Power Systems, LLC will produce a CO2 compressor capable of converting coal plant CO2 into a supercritical fluid that can be sequestered. The result is projected to be more efficient and cost-effective for Carbon Capture and Storage.
ReflecTech, Inc.	\$	750,000	Solar CSP	Arvada	CO	Arvada	CO	ReflecTech, Inc. will manufacture Mirror Facets made with ReflecTech® Mirror Film which will reflect sunlight onto the receivers of Parabolic Trough Concentrating Solar Power (CSP) collector systems. Facets will match or exceed the optical and structural characteristics of the existing glass mirrors, but will aim to be more cost-efficient and durable. The end product will aid domestic solar power production.
RE-Gen LLC	\$	903,480	Biomass	Millinocket	ME	Rockport	ME	RE-Gen will build a factory to produce Biomass Gasification Furnaces with a capacity of 250 systems/year. The result will aid the domestic biofuels industry while promoting energy efficiency.
Ringdale, Inc.	\$	450,000	Buildings	Georgetown	TX	Georgetown	TX	Ringdale will purchase equipment to expand production capacity of commercial LED lighting and advanced lighting controls technology. The results will address outdoor, street, area lights, and indoor recessed down-lights, and will promote greater energy efficiency.

Rioglass Solar Inc	\$ 10,692,000	Solar CSP	Surprise	AZ	Berkeley	CA	Rioglass Solar Inc will manufacture tempered glass parabolic mirrors designated for use in concentrated solar power plants. The placement of the mirrors are specifically integrated to derive maximum electrical production from the sun. The resulting technologies will aid domestic solar panel production.
Rogers Foam Automotive Corporation	\$ 300,000	Battery	Flint	MI	Flint	MI	Rogers Foam Automotive Corporation will manufacture a component to be used in the thermal management system of Lithium Ion Battery assemblies for electrical vehicles. This sub-component consists of an outer gasket, which locates the component in the assembly, a multi-layer pressure conformable membrane, which provides the constant pressure and a bonding agent, which attaches the outer gasket and membrane. The resulting product will aid domestic battery manufacturing for electric vehicles.
Roller Bearing Co. of America, Inc	\$ 4,155,000	Wind Turbines	Houston	TX	Oxford	CT	Roller Bearing Company of America, Inc will produce turbine blade and yaw bearings, both of which will be used in wind turbines. The blades are attached to a hub by large pitch bearings which facilitate movement allowing optimal performance with varying wind conditions. Yaw bearings allow the nacelle to be directed into the wind allowing more efficient conversion of wind into electricity. The resulting technologies will aid domestic production of wind turbines and renewable wind energy.
Roller Bearing Co. of America, Inc.	\$ 4,157,400	Wind Turbines	Oxford	CT	Oxford	CT	Roller Bearing Company of America, Inc will produce turbine blade and yaw bearings, both of which will be used in wind turbines. The blades are attached to a hub by large pitch bearings which facilitate movement allowing optimal performance with varying wind conditions. Yaw bearings allow the nacelle to be directed into the wind allowing more efficient conversion of wind into electricity. The resulting technologies will aid domestic production of wind turbines and renewable wind energy.
S&C Electric Company	\$ 5,100,000	Smart Grid	Chicago	IL	Chicago	IL	S&C Electric Company will re-equip a facility to produce a fault-interrupting device for overhead distribution system, Smart Grid applications, and switchgear for underground distribution system Smart Grid applications. These technologies will help installation of distributed renewable generation on electric distribution systems, close to the residential, commercial and industrial loads that consume the electric power.
Saint Gobain Solar Glass NA	\$ 8,100,000	Solar CSP	Scottsdale	AZ	Scottsdale	AZ	Saint Gobain Solar Glass NA will manufacture mirrors used in concentrating solar power (CSP) technology that involves generating electricity by directing the light on to photovoltaic cells or other solar thermal generating technologies. The resulting product will help aid in domestic solar technologies manufacturing.
Schuff Steel Company	\$ 7,073,316	Wind Towers	Bismark	ND	Phoenix	AZ	Schuff Steel will construct a wind turbine tower manufacturing facility with a planned capacity of 300 wind towers per year.
Serious Materials Inc	\$ 548,100	Buildings	Chicago	IL	Sunnyvale	CA	Serious Materials Inc is manufacturing highly insulating, high performance fiberglass windows. The resulting product will be cost-efficient and will promote energy efficiency.
Sharp Electronics Corp	\$ 1,650,000	Solar CSI	Memphis	TN	Memphis	TN	Sharp Electronics Corp will expand current solar manufacturing operations by installing a new crystalline photovoltaic module production line (E-Line) within its current solar facility. The resulting product will be a cost-efficient source of renewable solar energy.
Shaw Modular Solutions, L.L.C.	\$ 10,800,000	Nuclear	Lake Charles	LA	Lake Charles	LA	Shaw Modular Solutions LLC will fabricate modules used in advanced, passively-safe, nuclear stations which avoid GHG emissions. The resulting product will aid the domestic nuclear energy industry.
Siemens Energy Inc.	\$ 3,450,900	Wind Blades	Fort Madison	IA	Orlando	FL	Siemens Energy Inc. will build a new manufacturing plant for assembly of wind turbine nacelles and hubs for Siemens wind turbines. The resulting products will aid the domestic wind power industry.
Siemens Energy Inc.	\$ 4,331,700	Wind Towers	Hutchinson	TX	Orlando	FL	Siemens Energy Inc. will expand a wind turbine blade manufacturing facility. The expanded facility will be capable of producing both 45 meter and 49 meter blades for the Siemens SWT-2.3mw wind turbine. The resulting product will aid the domestic wind power industry.
Siemens Industry, Inc.	\$ 28,328,379	Wind Turbines	Elgin	IL	Elgin	IL	Siemens Industry, Inc will manufacture the mechanical drives, gears, pinions, and other components for gear boxes for wind turbines. The resulting product will aid the domestic wind power industry.
Solar Power Industries, Inc.	\$ 3,756,000	Solar CSI	Belle Vernon	PA	Belle Vernon	PA	Solar Power Industries will produce multicrystalline cells up to 156mm in size, which will then be integrated into solar modules. The resulting products will aid the domestic solar energy industry.
Solar Power Industries, Inc	\$ 1,611,083	Solar CSI	Belle Vernon	PA	Belle Vernon	PA	Solar Power Industries, Inc will focus processes on high purity silicon ingot casting, slicing, and cell processing operations to produce silicon bricks, wafers, solar power systems, and solar module components. The resulting product will aid the domestic solar energy industry.
Solar Strategies, Inc.	\$ 1,572,236	Buildings	Middleburg	PA	Philadelphia	PA	Solar Strategies will re-equip a modular home facility to produce net zero-energy homes. By combining energy conservation techniques, energy producing technologies, smart metering, Energy Star-rated appliances, and energy management systems, the company aims to produce thousands of solar modular homes that generate more power than they consume over the course of a year. The resulting homes will promote energy efficiency in the residential construction industry.
SolarWorld Industries America Inc.	\$ 82,200,000	Solar Components and Materials	Hillsboro	OR	Hillsboro	OR	SolarWorld Industries America Inc. will expand the existing 100 MW solar PV manufacturing plant to 500 MW. The facility focuses on crystal growing, wafering, cell and module production. The resulting product will aid the domestic solar power industry.
Southwire	\$ 2,211,000	Smart Grid	Carrollton	GA	Carrollton	GA	Southwire will re-equip a facility for new manufacturing lines to produce cables optimized specifically for wind and solar applications that will extend the grid to allow for collection of power within renewable energy systems. The resulting technologies will aid SmartGrid capacity and technology.

<i>Spire Semiconductor, LLC</i>	\$	2,044,500	Solar PV	Hudson	NH	Hudson	NH	Spire Semiconductor, LLC will manufacture a very high efficiency concentrator Photovoltaic (CPV) Cell and Receiver Assembly (CRA) to be incorporated into CPV systems. The resulting technology will aid the domestic solar energy industry.
<i>Stion Corporation</i>	\$	37,500,000	Solar PV	San Jose	CA	San Jose	CA	Stion Corporation will manufacture high efficiency (11-12%+) CIGS thin-film photovoltaic modules on glass. The resulting technology will aid the domestic solar energy industry.
<i>Stirling Energy Systems, Inc</i>	\$	9,833,000	Solar CSP	Livonia	MI	Livonia	MI	Stirling Energy Systems, Inc will produce Azimuth drives used to track the sun for the SunCatcher, a 25 kW solar dish. The resulting technologies will aid Solar Concentrating Solar Power industry domestically.
<i>Stirling Energy Systems, Inc</i>	\$	642,000	Solar CSP	Ashville	NY	Springville	NY	Stirling Energy Systems, Inc will produce pedestals, hubs, facet support structures, booms and mirror facets that combine to serve as the radial solar concentrator dish structure of the SunCatcher, a 25 kW solar dish. The resulting technologies will aid Solar Concentrating Solar Power industry domestically.
<i>STR, Inc.</i>	\$	825,020	Solar PV	Somers	CT	Somers	CT	STR, Inc. will manufacture encapsulants that are specialty extruded sheets and film that hold a solar module together and protect the embedded semiconductor circuit. The resulting technologies will aid the domestic solar PV panel manufacturing industry.
<i>Sumco Phoenix</i>	\$	731,207	Solar Components and Materials	Phoenix	AZ	Phoenix	AZ	Sumco Phoenix will slice, clean, and inspect and inspecting silicon wafers. These silicon wafers will then be sold for integration into solar power modules. The resulting technologies will aid the domestic solar power industry.
<i>Sumco Phoenix</i>	\$	2,674,236	Solar Components and Materials	Albuquerque	NM	Albuquerque	NM	Sumco Phoenix will be manufacturing and shaping silicon solar blocks. These silicon blocks will then be sent for further processing into solar wafers and sold to solar equipment manufacturers. The resulting technologies will aid the domestic solar technologies manufacturing industry.
<i>SunEarth, Inc.</i>	\$	288,600	Solar Hot Water - This panel May move with timing	Fontana	CA	Fontana	CA	SunEarth, Inc will manufacture liquid flat plate solar thermal collectors for medium temperature domestic water heating and industrial processes and will manufacture standard and custom rolled and ultrasonically welded absorber plates and fin-tubes. The resulting technologies will be used in energy efficient solar hot water heaters.
<i>Suniva, Inc.</i>	\$	5,700,000	Solar CSI	Norcross	GA	Norcross	GA	Suniva Inc. will manufacture monocrystalline silicon-based solar cells. The resulting technologies will aid the domestic solar power industry.
<i>Suntech</i>	\$	2,105,848	Solar CSI	Tempe	AZ	Tempe	AZ	Suntech will manufacture a line of poly-crystalline solar modules as well as its new "Pluto" modules.
<i>Texas Instruments Incorporated</i>	\$	51,450,000	Buildings	Richardson	TX	Dallas	TX	Texas Instruments will re-equip a facility and purchase equipment to produce 300mm wafers for advanced power management semiconductors.
<i>The Dow Chemical Company</i>	\$	2,220,000	Solar PV	Findlay	OH	Findlay	OH	Dow's plant will produce special coatings for use in solar cell manufacture. The "films" are used to laminate cell components together to form a rigid structure, offering significant benefits to solar cell manufacturers.
<i>The Dow Chemical Company</i>	\$	17,814,621	Solar PV	Midland	MI	Midland	MI	Dow will produce photovoltaic cells built into residential and commercial roofing and siding products. Dow's technology imbeds solar cells into shingles, sidings, and other materials, enabling lower production and installation costs.
<i>Think North America, Inc.</i>	\$	16,970,145	Vehicles	Bristol	IN	Dearborn	MI	Think North America will establish a U.S. manufacturing operation/facility (a vehicle assembly operation as well as facilities for fabricating vehicle components) for the Think City light-weight EV-dedicated vehicle for sale throughout North America.
<i>Tindall Corporation</i>	\$	16,750,500	Wind Towers	Newton	SC	Spartanburg	SC	Tindall Corporation will build a facility to manufacture concrete tower bases and concrete towers for wind turbines, which will help provide more efficient wind energy production.
<i>TPI Composites, Inc.</i>	\$	3,902,921	Wind Blades	Newton	IA	Newton	IA	TPI is expanding its manufacturing facility in order to fill the anticipated greater demand for composite wind turbine blades from its customer General Electric and GE's wind farm customers.
<i>TPI Composites, Inc.</i>	\$	5,135,241	Wind Blades	Grand Island	NE	Grand Island	NE	TPI will operate a new manufacturing facility to produce the next generation wind turbine blades made by combining reinforcing fibers from glass or carbon, resin, foam, and balsa wood.
<i>United Technologies Corporation</i>	\$	110,400,000	Industrial	Middletown	CT	East Hartford	CT	United Technologies' Pratt & Whitney will re-equip existing manufacturing facilities for the production of a jet engine, the Pure Power® PW 1000G. The resulting engine will increase and promote greater fuel efficiency.
<i>UTC Power Corp.</i>	\$	5,300,100	Fuel Cell	South Windsor	CT	South Windsor	CT	UTC Power will open a new manufacturing facility to produce a clean, efficient and reliable fuel-cell powerplant offering more than twice the efficiency of traditional energy sources, while maintaining a low sound and emissions profile.
<i>Vela Gear Systems, Inc.</i>	\$	11,604,440	Wind Turbines	Indianapolis	IN	Indianapolis	IN	Vela Gear will build a plant to produce advanced wind turbine parts with improved technology. The facility will produce large precision gear sets designed specifically for the wind industry.
<i>Vestas Blades America, Inc</i>	\$	21,589,200	Wind Blades	Brighton	CO	Brighton	CO	Vestas Blades produces blades for wind turbines used in the production of wind energy. The utility-scales blades, which convert wind into mechanical motion, are approximately 44 meters in length.

Vestas Blades America, Inc	\$ 8,580,600	Wind Blades	Brighton	CO	Brighton	CO	Vestas Blades will produce blades for wind turbines used in the production of wind energy. The utility-scales blades, which convert wind into mechanical motion, are approximately 44 meters in length.
Vestas Towers America, Inc.	\$ 21,600,000	Wind Towers	Pueblo	CO	Pueblo	CO	Vestas Towers will produce tubular wind towers that support wind turbines at heights ranging from between 80 and 95 meters above ground.
W.L. Gore & Associates, Inc.	\$ 604,350	Industrial	Elkton	MD	Newark	DE	W.L. Gore will retrofit a manufacturing facility with next-generation equipment used to produce a key component of fuel cell systems that will be used to improve fuel efficiency in vehicles and other applications.
W.L. Gore & Associates, Inc.	\$ 210,000	Fuel Cell	Elkton	MD	Elkton	MD	W.L. Gore will re-equip two manufacturing facilities in New York and Maryland to produce the Gore Turbine Filter, a technology for gas turbines that delivers higher fuel efficiency and lower greenhouse gas emissions.
Wacker Polysilicon North America LLC	\$ 128,482,287	Solar Components and Materials	Charleston	TN	Charleston	TN	Wacker Polysilicon's manufacturing plant will produce roughly 10 metric tons of pure polysilicon annually. One hundred percent of the output will be for the photovoltaic solar cell market.
Waukesha Electric Systems, Inc.	\$ 12,450,000	Smart Grid	Waukesha	WI	Waukesha	WI	Waukesha will expand an existing plant to produce very large, high-voltage power transformers. The company anticipates that more than 80 percent of them will be used to help bring renewable energy to distant load centers or to replace aging, less efficient transformers.
Wausaukee Composites, Inc.	\$ 930,810	Wind Turbines	Wausaukee	WI	Wausaukee	WI	Wausaukee Electric Systems will manufacture fiberglass wind turbine components. Winergy will build a new facility to manufacture power transmission equipment and gearboxes for wind turbines. The facility will enable Winergy to produce 100 percent of its gear units domestically.
Winergy Drive Systems Corp.	\$ 12,786,000	Wind Turbines	Elgin	IL	Elgin	IL	Xunlight's first product is a flexible and lightweight photovoltaic solar energy module, which uses thin film silicon-based solar cells and can be rolled for shipping. This product was designed for easy application on rooftops.
Xunlight Corporation	\$ 34,500,000	Solar PV	Toledo	OH	Toledo	OH	Yingli plans to open a manufacturing facility to produce its solar energy modules in order to better serve its US customer base.
Yingli Green Energy Americas	\$ 4,534,320	Solar CSI	Phoenix	AZ	Phoenix	AZ	ZF Steering plans to re-equip its manufacturing facility in order to increase its production of welded and fabricated component kits used in 2MW and 3MW wind turbines.
ZF Steering Systems, LLC	\$ 28,560,000	Vehicles	Florence	KY	Florence	KY	

Additional Projects		Tax Credit Requested
E.I. du Pont de Nemours and Co.	\$ 3,450,000	
ZBB Energy, Inc.	\$ 14,865,000	
ClimaCool Corp.	\$ 692,100	
Dresser-Rand Co	\$ 462,924	
Andritz Hydro Corp. & Affiliates	\$ 1,270,320	
Andritz Hydro & Affiliates	\$ 970,470	
Voith Hydro	\$ 3,083,263	
AE Polysilicon	\$ 44,850,000	
BP Solar International Inc.	\$ 11,670,754	
Cardinal ST	\$ 7,762,793	
E.I. du Pont de Nemours and Co.	\$ 11,085,000	
United Solar Ovonic, LLC	\$ 13,275,000	
Jabil Circuit Inc.	\$ 20,400,000	
Konarka	\$ 4,000,500	
MetoKote Corporation	\$ 2,157,293	
SCHOTT Solar, Inc.	\$ 33,000,000	
Solaicx	\$ 18,240,000	
SunPower Corporation	\$ 2,700,000	
SunPower Corporation	\$ 2,700,000	
SunPower Corporation	\$ 2,700,000	
Volkswagen Group of America Chattanooga Operations	\$ 150,000,000	
Energex Composites, Inc	\$ 1,975,200	
Fuhrlander USA - West LLC	\$ 2,719,500	
Fuhrlander USA - Blade LLC	\$ 6,813,000	
GAMESA FIBRAMATIC LLC	\$ 25,824,044	

GAMESA G10X NACELLES, LLC	\$ 2,764,584
GAMESA G90, LLC	\$ 2,357,954
Ventower Industries	\$ 2,553,300
The Horsburgh & Scott Co.	\$ 2,856,000
JF Machines	\$ 2,136,933
Moventas, Inc.	\$ 4,108,800
Rotek Incorporated	\$ 19,724,719
The Timken Company	\$ 1,329,935
Webber Metal Products, Inc.	\$ 383,327
Wind Energy Castings III, Inc.	\$ 6,960,900
American Honda Test Cell	\$ 2,451,990
REC Silicon	\$ 154,800,000
LoneStar	\$ 112,500
SAGE Electrochromics, Inc.	\$ 31,500,000
Viracon, Inc	\$ 1,800,000
Viracon, Inc	\$ 9,900,000
ABB Inc.	\$ 12,301,200
Cleveland Gear Company, Inc.	\$ 810,000
Columbia Gear Corporation	\$ 1,860,000
DMI Equipment LLC	\$ 3,339,000

附件 9



Encouraging More Cooperation and Accountability in Payment in Lieu of Tax Agreements

January 2018

Executive Summary: Balancing the Needs of Local Governments, Businesses, and the Public

Businesses in Tennessee made payments in lieu of ad valorem taxes (PILOTs) totaling \$75.7 million in 2016 for tax exempt properties they lease from local industrial development boards (IDB). Although businesses can negotiate PILOT agreements with IDBs equal to the taxes they would otherwise owe if they owned the properties themselves, in practice the payments can be for less and vary by agreement—total payments in 2016 were equal to approximately 47% of the taxes that would have otherwise been owed based on the 2016 assessed value of the property, including any improvements made by the businesses. As a result, PILOT agreements often function as indirect property tax abatements that are used by IDBs and their affiliated local governments to encourage economic development.

While stakeholders interviewed generally support the use of PILOT agreements to encourage businesses to invest in Tennessee, conflicts arise over the details of individual agreements and the process for negotiating them. This was the case in Pigeon Forge and Sevier County in 2015, when the city's IDB negotiated a PILOT agreement with a Publix grocery store, abating not only the business's city property taxes but also its county property taxes for a 20-year period. Sevier County's mayor has expressed concern that PILOT agreements like this one could reduce local governments' ability to fund public education and other services that are supported by property tax revenues and that the terms of the abatements in some PILOT agreements are too long. But like IDBs for other local governments in Tennessee that levy their own property taxes, Pigeon Forge's IDB was not required to seek the county's approval before agreeing to the PILOT.

In response to the concerns raised by the county mayor, House Bill 1223 by Representative Hicks and Senate Bill 1362 by Senator Bailey would have prohibited municipal IDBs from entering into PILOT agreements longer than five years unless they receive approval for each agreement from the county in which they are located. Alternatively, the IDB or its affiliated municipality make annual payments to the county after the first five years of each agreement, and those payments would have to be equal to the real property taxes the county would have received based on the affected property's assessed value. Stakeholders raised concerns that the bill's restrictions applied only to city IDBs abating county property taxes and not county IDBs abating city property taxes.

Responding to the general concerns about PILOTs as well as the specific concerns with the original bill, the General Assembly passed an amended version as Public Chapter 431, Acts of 2017, which instead directs the Commission to study

PILOT agreements often function as indirect property tax abatements used to encourage economic development. While stakeholders interviewed generally support the use of PILOT agreements to encourage businesses to invest in Tennessee, conflicts arise over the details of individual agreements and the process for negotiating them.

Measuring the economic benefit of PILOT agreements is difficult because the state and local governments do not generally collect enough information to make this determination.

- the economic benefits to counties and municipalities from the use of PILOT agreements and leases by IDBs organized by municipalities;
- whether in the absence of county approval for a PILOT any economic benefits are derived from limiting the agreements length to five years or from requiring the IDB or municipality to make annual payments to the county after the first five years equal to the amount of real property taxes the county would have received based on the property's assessed value; and
- any additional issues that the Commission deems relevant.

The assumption made by IDBs concerning tax abatements is that the business would not have chosen to locate in their jurisdiction but for the agreement. If this is true, such an agreement could mean economic benefits for the community, but it is often difficult to prove. Whether or not there are economic benefits depends on a number of factors, including the assessed value of the affected property before it was acquired by the IDB, as well as any economic impacts (employment, income, business and household spending), fiscal impacts (new government revenues and new expenditures), and project impacts (direct, indirect and induced). To better ensure that local governments achieve an economic benefit from the exchange, some IDBs require proof that benefits outweigh costs before they will approve a PILOT, but unfortunately, local governments and the state don't generally collect enough information from businesses that have PILOT agreements to determine whether the incentives these businesses received have resulted in economic benefits to their communities. While collecting this information would be helpful, the state could also address some of the issues raised when an IDB representing one local government abates the taxes of another—as happened in Sevier County—both by encouraging greater cooperation among local governments in the process for negotiating PILOT agreements and by increasing transparency in this process without compromising the confidentiality necessary for conducting negotiations with private businesses.

Property Tax Incentives and Economic Development

State and local governments use a wide array of incentives to encourage businesses to invest in their communities. While these incentives are only one of many factors—including available workforce, infrastructure, and logistics—that businesses consider when determining where to locate or invest, they can be the deciding factor when making a final choice among several short-listed locations that otherwise offer similar resources or advantages.

Nationwide, the abatement of local property taxes is a common incentive at the disposal of local governments, though the types of property tax incentives that can be offered and the process for granting them vary by state

and community. For example, the Constitution of the State of Tennessee authorizes the General Assembly to exempt from property taxes only those properties held by local governments or the state that are used exclusively for public purposes and other non-government-owned properties that fall into certain narrowly defined categories—including those used exclusively for religious, charitable, scientific, literary, or educational purposes. This prohibits local governments in Tennessee from directly abating property taxes for all but a limited subset of property.

Tennessee Communities Provide Property Tax Incentives through PILOT Agreements Made by IDBs

While their ability to directly abate property taxes is limited, local governments in Tennessee can lease government-owned tax-exempt property to businesses, providing them with a form of indirect abatement. Consistent with the limits in the state's constitution, local governments acting either individually or jointly are authorized to establish IDBs that hold and lease property to businesses for a variety of purposes, many of which include uses that encourage economic development, under Tennessee Code Annotated, Section 7-53-101 et seq. The properties the IDBs own are tax exempt, and local governments can authorize IDBs to negotiate and accept PILOTs from the businesses that lease their properties. These PILOTs can help offset local government revenues lost when the properties are removed from tax rolls.

The ultimate value of the incentive that a business receives from a PILOT agreement with an IDB is equal to the difference between any negotiated payments and the property taxes a business would otherwise owe if the property were subject to taxation.

The process for approving IDB PILOT agreements in Tennessee varies based on

- whether the negotiated payments are at least equal to the taxes that would be owed if the property were subject to taxation,
- an agreement's length, and
- the local governments involved.

State law allows local governments that have authorized their IDBs to negotiate PILOTs to require that any agreements be submitted to them for approval. For agreements where payments made to the city and county are at least equal to the taxes that would otherwise be owed, no additional approval is necessary beyond what is required by the local government or governments that created the IDB.

But for agreements where payments made to either the city or county are less than the taxes that would be owed if the property were subject to

Local governments acting either individually or jointly are authorized to establish industrial development boards (IDBs) that hold and lease property to businesses.

All IDBs established by municipalities with their own property taxes may abate the property of other local governments.

taxation, additional restrictions apply depending on an agreement’s length and whether the IDB that negotiated the agreement is established by a municipality without its own property tax. All PILOT agreements where payments are less than taxes owed for periods longer than 20 years—not including up to three years allowed for construction—must be approved not only according to the procedures required by an IDB’s affiliated local government but also by both the Tennessee Department of Economic and Community Development and the Tennessee Comptroller of the Treasury. State approval is not required for agreements that don’t exceed this threshold. Though the data is incomplete, it appears the most common length of term for a PILOT agreement in Tennessee is 10 to 15 years.

IDBs established by municipalities without their own property taxes are prohibited from entering PILOT agreements that would abate the taxes of the counties in which they are located without receiving those counties’ approval for each agreement. Absent county approval, these IDBs or the municipalities that created them must agree to make payments to the affected counties equal to the property taxes that would otherwise be owed for real but not personal property, under Tennessee Code Annotated, Section 7-53-305(h). Of the 184 IDBs in Tennessee, only five are established by one of the 74 municipalities in the state that don’t levy their own property taxes. Overall, 271 cities and all 95 counties in Tennessee have their own property taxes.

In contrast, IDBs established by local governments—whether city, county, or both—that levy their own property taxes are not required to seek the approval of other governments affected by their PILOT agreements. Nor are they required to share with other affected tax jurisdictions any PILOTs made pursuant to their agreements. As a result, it is possible for IDBs established by some local governments in Tennessee to enter PILOT agreements that abate the property taxes of other local governments or special school districts without those tax jurisdictions’ consent.

Encouraging Cooperation on PILOT Agreements Can Reduce Conflict among Local Governments

The ability of some local governments’ IDBs to abate the property taxes of other jurisdictions can cause conflicts, as was the case between Pigeon Forge and Sevier County in 2015 discussed above. Several stakeholders have also expressed concern that local property taxes foregone in PILOT agreements can create revenue shortfalls that either result in cuts to public services or have to be made up from other local revenue sources so local governments can maintain compliance with state law. For education, for example, the state’s “maintenance of effort laws ensure that local funds budgeted for schools do not decrease as state funding for schools increases. County commissions, city councils and special school districts must budget

附件 10

Date Recv'd.	Co.	IDB/HED	Lessee	Contact	Prop.Desc.	Prop. Type Code	Assessor	Prop.	Est. Value	Rent	PILOT/CI	PILOT/CO	L/H Tax	Lease End
8/14/2014	1	IDB	Guest House Alexander Sr. Living	Rick Dover, Gen. Mgr.	210 Madison Road			A	\$2,000,000	\$7,000	\$3,500	\$3,500		2023
8/20/2014	1	IDB	Kismet Associates	Amil Patel, Managing Partner	105D A 00500		Y	A	\$5,000,000		\$33,117	\$32,563		12/31/2016
8/5/2014	1	IDB	R & R Enterprises	Rick Chinn, Owner	094D B 00300 000		N	A	\$1,913,900	\$10				10/1/2015
9/12/2014	1	IDB	USFC, Inc.	Sterling Crowder, Tax Director	350 Centrifuge Way	ID-1	Y	A	\$48,442,560		\$233,422	\$229,511		12/31/2020
9/24/2014	2	IDB	Adcock Design Build Lease, LLC	Jan Anthony, Office Mgr.	121 Quince Drive	ID	Y	A	\$1,147,200	\$0	\$4,543	\$6,250		12/31/2019
9/28/2014	2	IDB	BGE Investments	Kristy Byford, Sr. Accountant	078M A 00302 000	ID-1	Y	A	\$726,000	\$0	\$5,539	\$7,621		11/1/2018
9/30/2014	2	IDB	CalsonickKansei North America, Inc.	James L. Murphy, III, Attorney	069 05800 P 003	ID-1	Y	A	\$12,959,230	\$7,196,751	\$32,075	\$44,126	\$0	1/1/2022
9/30/2014	2	IDB	CalsonickKansei North America, Inc.	James L. Murphy, III, Attorney	069 05800 P 006	ID-1	Y	B	\$12,314,728	\$1,170,162	\$0	\$0	\$0	1/1/2030
8/14/2014	2	IDB	Jostens, Inc.	Michael Engelmeier, VP Tax	079 00900	ID-1	Y	A	\$2,608,224	\$768,161	\$5,773	\$7,942		12/31/2025
10/1/2014	2	HED	Shelbyville Hospital Corporation	James L. Murphy, III, Attorney	050 03803	HE-2	Y	A	\$21,658,700	\$1,923,154	\$0	\$0	\$0	1/1/2015
10/1/2014	2	HED	Shelbyville Hospital Corporation	James L. Murphy, III, Attorney	050 03803 P	HE-2	Y	B	\$4,232,037	\$1,414,034	\$0	\$0	\$0	1/1/2015
6/12/2014	5	IDB	Alcoa, Inc.	Regis Staudt, Sr. Tax Act.	046 06800 P 002	ID-1	Y	A	\$13,771,560	\$1				1/1/2017
8/21/2014	5	IDB	DCS Electronics, Inc.	Christine Combs, President	056 07107 000	ID-6	N	A	\$620,000	\$5,380				6/1/2032
8/27/2014	5	IDB	Denso Manufacturing	Bruce Gallacher, Sr. Accounting Mgr.	046 05315	ID-1	N	A	\$128,124,251		\$337,738	\$334,625		1/1/2015
9/29/2014	6	IDB	Amazon.com,dcdc LLC	Erin O'Neal, Property Tax Compliance Mgr.	015 02700 P 000	ID-1	Y	A	\$8,706,593		\$0	\$27,800		
9/29/2014	6	IDB	Amazon.com,dcdc LLC	Erin O'Neal, Property Tax Compliance Mgr.	015 02700 000	ID-1	Y	B	\$41,284,100				\$0	\$180,000
9/30/2014	6	IDB	Coca-Cola Enterprises	Jennifer Thompson, Operating Tax Mgr.	064 00401 P 005	ID-1	Y	A	\$2,508,200		\$6,368	\$6,868		1/1/2015
9/30/2014	6	IDB	General Electric Company	Michael Powell, Mgr.-Property Taxes	00318 P 012	ID-1	Y	A	\$1,044,302	\$10		\$3,471		5/1/2017
9/30/2014	6	IDB	General Electric Company	Michael Powell, Mgr.-Property Taxes	00318 000	ID-1	Y	B	\$25,583,000	\$2,196,535		\$113,388		5/1/2017
9/16/2014	6	IDB	Gillette Company (The)	Michael Brunzman, Tax Division	042 00505 004		N	A	\$1,540,470	\$0	\$0	\$0	\$0	12/31/2019
9/16/2014	6	IDB	Gillette Company (The)	Michael Brunzman, Tax Division	034P G 01500 004		N	B	\$5,139,058	\$0	\$0	\$0	\$0	12/31/2019
9/30/2014	6	IDB	Wacker Polysilicon North America, LLC	Mayuko Matsumoto, Service & Finance Mgr	041D F 00100 P 000	ID-1	N	A	\$90,975,000	\$100	\$224,161	\$136,785	\$0	1/1/2019
9/30/2014	6	IDB	Wacker Polysilicon North America, LLC	Christopher Thie, Sr. Tax Mgr.	010 028	ID-1	Y	A	\$13,995,700		\$0	\$0		12/1/2038
9/30/2014	6	IDB	Wacker Polysilicon North America, LLC	Christopher Thie, Sr. Tax Mgr.	010 029	ID-1	Y	B	\$45,500		\$0	\$0		12/1/2038
9/30/2014	6	IDB	Wacker Polysilicon North America, LLC	Christopher Thie, Sr. Tax Mgr.	553 McBryant Road	ID-1	Y	C	\$3,825,000		\$0	\$0		12/1/2038
9/30/2014	6	IDB	Wacker Polysilicon North America, LLC	Christopher Thie, Sr. Tax Mgr.	553 McBryant Road	ID-1	Y	D	\$235,838,873		\$0	\$0		12/1/2038
10/1/2014	6	IDB	Whirlpool Corporation	Joy Bolton, Sr. Accountant	057E A 00100 P 005	ID-1	Y	A	\$13,600,337					12/31/2033
10/1/2014	6	IDB	Whirlpool Corporation	Joy Bolton, Sr. Accountant	050 03303 000	ID-1	Y	B	\$113,738,595					12/31/2033
10/1/2014	6	IDB	Whirlpool Corporation	Joy Bolton, Sr. Accountant	812744	ID-1	Y	C	\$62,098,270					12/31/2033
11/10/2014	8	IDB	Crane Interiors, Inc.	Chris Anderson, General Manager	039 01900 000		Y	A	\$1,180,400	\$7,200	\$0	\$0	\$0	10/1/2017
11/26/2014	8	IDB	THC Select, Inc.	Julie Gibson, President	225 Alexander St.	ID-1		A	\$350,000	\$5,500	\$0	\$0	\$0	2021
9/15/2014	9	IDB	Dana Corporation	Billy Barksdale, Exec. Dir.	030 04000	ID-1	N	A	\$1,236,200	\$1,977	\$0	\$0	\$0	2015
9/15/2014	9	IDB	Jimmy Sanders Inc.	Billy Barksdale, Exec. Dir.	029 026	ID-1	N	A	\$350,000	\$2,000	\$0	\$0	\$0	2014
9/15/2014	9	IDB	NONE	Billy Barksdale, Exec. Dir.	012K 00100	ID-1	N	A	\$400,000	\$0	\$0	\$0	\$0	Expired
8/7/2014	9	IDB	Norandai USA, Inc.	Karen Laird, Financial Analyst	063 06900 P 001	ID-1	Y	A	\$262,359,094	\$20	\$62,644	\$158,734		5/21/2023
9/30/2014	9	IDB	Norandai USA, Inc.	Martha Taylor, Recording Secretary	063 06900	ID-1	Y	A	\$8,897,400	\$0	\$152,475	\$322,525	\$0	1/1/2021
9/30/2014	9	IDB	Norandai USA, Inc.	Martha Taylor, Recording Secretary	073N 00203		Y	B	\$429,900	\$456,000	\$0	\$0	\$0	1/1/2023
9/23/2014	13	IDB	DTR Tennessee, Inc.	Mike Seay, Dir. Of Accounting	070 01902	ID-1	Y	A	\$12,832,000			\$127,115		11/1/2018
9/23/2014	13	IDB	DTR Tennessee, Inc.	Mike Seay, Dir. Of Accounting	070 01902 P 002	ID-1	Y	B	\$25,873,849			\$89,915		11/1/2018
8/13/2014	14	IDB	VF Tennessee, LLC	Leeann Millar, CFO	7201	ID-1	Y	A	\$300,000	\$2,400	\$0	\$0	\$0	11/1/2016
9/8/2014	15	IDB	AeroPro Holdings LLC	Sherry Butler, VP of Operations	047 00105	ID-1	Y	A	\$727,400	\$20,717		\$5,000		1/1/2019
9/8/2014	15	IDB	Vacant - 1	Sherry Butler, VP of Operations	047 00108	ID-1	Y	A	\$878,400	N/A	N/A	N/A	N/A	N/A
9/8/2014	15	IDB	Vacant - 2	Sherry Butler, VP of Operations	047 00115	ID-1	Y	A	\$1,218,600	N/A	N/A	N/A	N/A	N/A
9/8/2014	15	IDB	Vacant - 3	Sherry Butler, VP of Operations	030 03702	ID-1	Y	A	\$351,000	N/A	N/A	N/A	N/A	N/A
8/28/2014	16	IDB	Cretec Corporation	Angela Stallings, Corp. Tax Dept.	123 02900 000	ID-1	Y	A	\$2,315,976		\$2,500	\$2,550		11/1/2019
8/26/2014	16	IDB	Greatec Corporation	Angela Stallings, Corp. Tax Dept.	123 02900 P 022	ID-1	Y	B	\$470,000	\$19,086		\$19,406		12/20/2020
9/22/2014	16	IDB	Fischer Tool & Die Corp.	Connie Fleury, Acct. Mgr.	111 00707 P 001	ID-1	Y	A	\$1,864,500			\$8,860		1/1/2029
9/22/2014	16	IDB	Fischer Tool & Die Corp.	Connie Fleury, Acct. Mgr.	111 00707 P 000	ID-1	Y	B	\$2,644,189			\$5,184		1/1/2029
8/27/2014	16	IDB	Great Lakes Cheese of Tennessee, Inc.	Russell Mullins, VP & CFO	084 01505	ID-1	N	A	\$450,000		\$4,140	\$5,350		1/1/2036
9/30/2014	16	IDB	MCA Fabrication, Inc.	Rhonda Smith, Controller	085A A 0100 P 001	ID-1	N	A	\$2,130,484	\$0	\$5,018	\$5,797	\$0	8/15/2023
9/30/2014	16	IDB	MCA Fabrication, Inc.	Rhonda Smith, Controller	085A A 0100	ID-1	N	B	\$2,140,000	\$0	\$17,718	\$20,471	\$0	8/15/2023
9/11/2014	16	IDB	McKey Perforated Products Co., Inc.	Julie Mulvaney, Office Manager	095 04804 001		Y	A	\$676,000	\$0	\$0	\$270,400	\$8,518	6/1/2020
9/11/2014	16	IDB	McKey Perforated Products Co., Inc.	Julie Mulvaney, Office Manager	095 04804 P 001		Y	B	\$372,733	\$0	\$0	\$11,820	\$3,522	6/1/2020
9/11/2014	16	IDB	McKey Perforated Products Co., Inc.	Julie Mulvaney, Office Manager	095 04804 002		Y	C	\$549,000	\$0	\$0	\$274,500	\$8,647	6/1/2020
9/11/2014	16	IDB	McKey Perforated Products Co., Inc.	Julie Mulvaney, Office Manager	095 04804 P 002		Y	D	\$26,352	\$0	\$0	\$7,906	\$249	6/1/2028
9/23/2014	16	IDB	Reliable Tool & Machine Co., Inc.	Linda Laisure	120 Park Place	ID	N	A	\$673,100	\$0	\$6,192	\$7,154		11/29/2020
9/23/2014	16	IDB	Reliable Tool & Machine Co., Inc.	Linda Laisure	120 Park Place	ID	N	B	\$25,000	\$0	\$229	\$266		11/29/2020
9/30/2014	16	IDB	Rocktenn	Mary Gehnhardt, Sr. Property Tax Analyst	124N F 01200 L	ID-1	Y	A	\$580,680			\$11,478		3/15/2015
10/1/2014	16	IDB	Viam Manufacturing, Inc.	Joseph W. Gibbs, Attorney	095 04810 000	ID-1	Y	A	\$1,141,200	\$173,300		\$4,981	\$0	1/1/2024
10/1/2014	16	IDB	Viam Manufacturing, Inc.	Joseph W. Gibbs, Attorney	095 04810 P 003	ID-1	Y	B	\$5,041,132	\$556,011		\$7,395	\$0	1/1/2024
10/1/2014	16	IDB	Viam Manufacturing, Inc.	Joseph W. Gibbs, Attorney	095 04811 P 009	ID-1	Y	A	\$2,996,718	\$386,998		\$10,690	\$0	1/1/2032
10/1/2014	16	IDB	Viam Manufacturing, Inc.	Joseph W. Gibbs, Attorney	095 04823 000	ID-1	Y	A	\$6,618,700	\$589,221		\$31,482	\$0	1/1/2027

Date Recv'd.	Co.	IDB/HED	Lessee	Contact	Prop.Desc.	Prop. Type Code	Assessor	Prop.	Est. Value	Rent	PILOT/CI	PILOT/CO	LH Tax	Lease End
9/22/2014	57	IDB	Stanley Black & Decker	Kathy Melugin, WEC Controller	027 02101 P 003	ID-1	Y	A	\$2,269,318	\$0	\$3,356	\$3,659	\$0	12/31/2018
9/22/2014	57	IDB	Stanley Black & Decker	Kathy Melugin, WEC Controller	027 02101 P 100	ID-1	Y	B	\$1,007,962	\$0	\$1,489	\$1,625	\$0	12/31/2018
9/22/2014	57	IDB	Stanley Black & Decker	Kathy Melugin, WEC Controller	027 01800	ID-1	Y	A	\$310,600	\$100	\$0	\$0	\$0	12/31/2014
9/22/2014	57	IDB	Stanley Black & Decker	Kathy Melugin, WEC Controller	027 01900	ID-1	Y	B	\$25,100	\$100	\$0	\$0	\$0	12/31/2014
9/22/2014	57	IDB	Stanley Black & Decker	Kathy Melugin, WEC Controller	027 02000	ID-1	Y	C	\$25,800	\$100	\$0	\$0	\$0	12/31/2014
9/22/2014	57	IDB	Stanley Black & Decker	Kathy Melugin, WEC Controller	027 02103	ID-1	Y	D	\$11,138,500	\$0	\$0	\$0	\$0	12/31/2014
9/22/2014	57	IDB	Stanley Black & Decker	Kathy Melugin, WEC Controller	027 02103 P 000	ID-1	Y	E	\$132,307	\$0	\$0	\$0	\$0	12/31/2014
10/21/2014	57	IDB	TLM & Associates, Inc.	Jennifer Earl, Attorney	078P N 00500 & 00600	ID-1	Y	A	\$407,300	\$100	\$1,113	\$1,225	\$0	1/1/2019
8/19/2014	58	IDB	Lodge Manufacturing Company	Nathan Tabor, Controller	204 East 5th Street		N	A	\$742,726	\$100	\$0	\$0	\$0	12/31/2023
8/21/2014	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Mgr.	155 01801 000	ID-1	Y	A	\$4,042,400					12/31/2021
8/21/2014	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Mgr.	155 01827 000	ID-1	Y	B	\$44,333					12/31/2021
8/21/2014	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Mgr.	155 01801 P 004	ID-1	Y	C	\$10,655,202					12/31/2021
9/30/2014	59	IDB	Calsonic&seil North America Inc	James L. Murphy, III, Attorney	071 02900 L	ID-1	Y	A	\$9,549,900	\$1,310,000	\$24,538	\$54,490	\$0	1/1/2027
9/30/2014	59	IDB	Calsonic&seil North America Inc	James L. Murphy, III, Attorney	071 02900 P 022	ID-1	Y	B	\$11,319,894	\$8,784,208	\$24,022	\$53,346	\$0	1/1/2027
9/30/2014	59	IDB	Calsonic&seil North America Inc	James L. Murphy, III, Attorney	071 02900 P 026	ID-1	Y	C	\$10,010,959	\$881,295	\$0	\$0	\$0	1/1/2023
9/30/2014	59	IDB	Calsonic&seil North America Inc	James L. Murphy, III, Attorney	071 02901 P 001	ID-1	Y	D	\$0	\$0	\$0	\$0	\$0	1/1/2027
9/30/2014	59	IDB	Calsonic&seil North America Inc	James L. Murphy, III, Attorney	071 02900 P 028	ID-1	Y	E	\$14,663,354	\$1,458,631	\$31,118	\$69,103	\$0	1/1/2034
9/30/2014	59	IDB	Frontier Development II	James L. Murphy, III, Attorney	071 02901	ID-1	Y	A	\$7,298,400	\$368,667	\$21,165	\$47,002	\$0	1/1/2027
9/16/2014	59	IDB	Genie Kelo/thomas Hawkins Sublease	Genie Kelo, Owner	080 00300 000	ID-1	Y	A	\$1,309,200		\$1,519	\$3,372	\$0	12/31/2021
9/10/2014	59	IDB	Genie Kelo/thomas Hawkins Sublease	Genie Kelo, Owner	080 00300 000	ID-1	Y	A	\$1,309,200		\$760	\$1,687		12/31/2021
9/10/2014	59	IDB	Hawk Converting, LLC	Genie Kelo, Owner	080 00300 P 009	ID-1	Y	A	\$494,304		\$860	\$1,910		12/31/2016
9/10/2014	59	IDB	Hawk Converting, LLC	Genie Kelo, Owner	080 00300 P 010	ID-1	Y	B	\$721,600		\$784	\$1,743		12/31/2016
9/10/2014	59	IDB	Heil Avenue Properties, Inc.	Anthony Beyer, Sec/Treasurer	651 Heil Quaker Avenue	ID-1	N	A	\$3,800,000	\$655,500	\$0	\$0	\$0	12/31/2023
9/10/2014	59	IDB	Lewisburg Printing, Inc.	Dawn Richardson, Controller	064 A 03000 P 001	ID-1	Y	A	\$1,724,935		\$6,004	\$13,330		12/31/2015
9/10/2014	59	IDB	Lewisburg Printing, Inc.	Dawn Richardson, Controller	064 A 03000 P 003	ID-1	Y	B	\$3,896,917		\$8,478	\$18,822		12/31/2014
10/1/2014	59	IDB	Nichirn Tennessee, Inc.	Brooks R. Smith, Attorney	071 03800 000	ID-1	Y	A	\$1,584,200	\$120,450	\$9,188	\$20,404	\$0	1/1/2013
10/1/2014	59	IDB	Nichirn Tennessee, Inc.	Brooks R. Smith, Attorney	071 03800 P 001	ID-1	Y	B	\$1,144,300	\$209,550	\$5,310	\$11,791	\$0	1/1/2016
10/1/2014	59	IDB	Nichirn Tennessee, Inc.	Brooks R. Smith, Attorney	071 03800 P 002	ID-1	Y	C	\$120,882	\$60,441	\$513	\$1,139	\$0	1/1/2013
10/1/2014	59	IDB	Nichirn Tennessee, Inc.	Brooks R. Smith, Attorney	071 03800 P 003	ID-1	Y	D	\$149,989	\$74,994	\$637	\$1,414	\$0	1/1/2014
10/1/2014	59	IDB	Nichirn Tennessee, Inc.	Brooks R. Smith, Attorney	071 03800 P 004	ID-1	Y	E	\$346,691	\$173,345	\$1,177	\$2,614	\$0	1/1/2016
10/7/2014	59	IDB	U.S. Tank & Cryogenics & Equipment	James Brown, Jr., Owner/CEO	1000 Veterans Drive		A		\$3,300,000					
9/30/2014	60	IDB	BTMU Leasing & Finance, Inc.	J. Thomas Trent, Jr., Attorney	127 01416 P	ID-1	Y	A	\$4,218,305	\$452,736	\$6,935	\$13,146	\$0	1/1/2017
9/30/2014	60	IDB	General Motors, LLC	Troy D. Kennedy, Tax Staff	042 01100 002		N	A	\$265,085,030			\$2,362,500		12/31/2025
9/30/2014	60	IDB	General Motors, LLC	Troy D. Kennedy, Tax Staff	042 01100 000		N	B	\$2,167,000					12/31/2025
9/30/2014	60	IDB	General Motors, LLC	Troy D. Kennedy, Tax Staff	042 01100 001		N	C	\$19,700					12/31/2025
9/30/2014	60	IDB	General Motors, LLC	Troy D. Kennedy, Tax Staff	042 01100 005		N	D	\$535,600					12/31/2025
9/30/2014	60	IDB	General Motors, LLC	Troy D. Kennedy, Tax Staff	042 01100 006		N	E	\$502,100					12/31/2025
9/30/2014	60	IDB	General Motors, LLC	Troy D. Kennedy, Tax Staff	042 01102 000		N	F	\$54,600					12/31/2025
9/30/2014	60	IDB	Imasen Bucyrus Technology, Inc.	J. Thomas Trent, Jr., Attorney	127 01416	ID-1	Y	A	\$2,743,900	\$557,984	\$0	\$0	\$0	1/1/2021
9/30/2014	60	IDB	Imasen Bucyrus Technology, Inc.	J. Thomas Trent, Jr., Attorney	127 01416 P	ID-1	Y	B	\$14,142,329	\$1,746,884	\$27,493	\$44,073	\$0	1/1/2017
8/21/2014	60	IDB	Sekisui Plastics USA, Inc.	Patrick M. Carter, Esq.	1331 N. Main St./Real	ID-1	Y	A	\$819,800	\$100	\$3,187	\$5,110	\$0	12/20/2016
8/21/2014	60	IDB	Sekisui Plastics USA, Inc.	Patrick M. Carter, Esq.	1331 N. Main St./Personal	ID-1	Y	B	\$1,756,759	\$100	\$5,123	\$8,212	\$0	12/20/2016
9/29/2014	63	IDB	Agero Administrative Service Corp.	Lillian Le, Accounting Mgr.	057 01704	ID	Y	A	\$2,300,000	\$34,733	\$0	\$0	\$0	9/1/2022
10/1/2014	63	IDB	AHC Clarksville, Inc.	J. Thomas Trent, Jr., Attorney	054 01110	ID-1	Y	A	\$5,790,700	\$310,000	\$19,132	\$48,155	\$0	1/1/2016
10/1/2014	63	IDB	AHC Clarksville, Inc.	J. Thomas Trent, Jr., Attorney	054 01110 P	ID-1	Y	B	\$779,534	\$201,000	\$2,760	\$6,946	\$0	1/1/2015
10/1/2014	63	IDB	Airgas Merchant Gasses, LLC	J. Thomas Trent, Jr., Attorney	009 01401	ID-1	Y	A	\$2,642,053	\$166,176		\$0	\$0	1/1/2024
10/1/2014	63	IDB	Airgas Merchant Gasses, LLC	J. Thomas Trent, Jr., Attorney	009 01401 032	ID-1	Y	B	\$22,124,675	\$2,174,857		\$0	\$0	1/1/2024
10/1/2014	63	IDB	American Snuff Co., LLC	Joseph W. Gibbs, Attorney	015 00700	ID-1	Y	A	\$13,120,200	\$1,000,000		\$0	\$0	1/1/2021
10/1/2014	63	IDB	American Snuff Co., LLC	Joseph W. Gibbs, Attorney	015 00700 P	ID-1	Y	B	\$35,462,682	\$3,265,395		\$0	\$0	1/1/2021
9/30/2014	63	IDB	Berggren, David W.	J. Thomas Trent, Jr., Attorney	039 02100	ID-1	Y	A	\$2,699,100	\$200,183		\$15,854	\$0	1/1/2019
9/10/2014	63	IDB	Bridgestone Metalapha USA, Inc.	Dawn Wyatt, Lead Acct.	066 00610	ID-1	Y	A	\$30,000,000	\$0	\$0	\$0	\$376,800	1/1/2025
9/10/2014	63	IDB	Bridgestone Metalapha USA, Inc.	Dawn Wyatt, Lead Acct.	570 International Blvd.	ID-1	Y	B	\$9,412,526	\$0	\$0	\$0	\$88,666	12/1/2018
9/10/2014	63	IDB	Bridgestone Metalapha USA, Inc.	Dawn Wyatt, Lead Acct.	570 International Blvd.	ID-1	Y	C	\$43,073,045	\$0	\$0	\$0	\$405,748	1/1/2025
9/30/2014	63	IDB	Florm USA, Inc.	Michael Mathys, Secretary	033 00604	ID-1	N	A	\$20,265,275	\$0	\$0	\$0	\$0	12/31/2023
9/30/2014	63	IDB	Furniture Connection, Inc.	J. Thomas Trent, Jr., Attorney	039 02100	ID-1	Y	A	\$98,117	\$10,512		\$0	\$0	1/1/2019
					009 01401, 01402, 01500, 01600, 01801 & 01802									
10/1/2014	63	IDB	Hermlock Semiconductor, LLC	J. Thomas Trent, Jr., Attorney	015 00301; 016 00200, 00400 & 00401(Real)	ID-1	Y	A	\$509,772,256	\$40,781,780		\$0	\$0	1/1/2034
					009 01401, 01402, 01500, 01600, 01801 & 01802									
10/1/2014	63	IDB	Hermlock Semiconductor, LLC	J. Thomas Trent, Jr., Attorney	015 00301; 016 00200, 00400 & 00401(Personal)	ID-1	Y	B	\$897,258,814	\$189,366,206		\$0	\$0	1/1/2034

Date Recv'd.	Co.	IDB/HED	Lessee	Contact	Prop.Desc.	Prop. Type Code	Assessor	Prop.	Est. Value	Rent	PILOT/CI	PILOT/CO	L/H Tax	Lease End
10/1/2014	63 IDB		HSCPC, LLC	J. Thomas Trent, Jr., Attorney	009 01401, 01402, 01500, 01600, 01801 & 01802	ID-1	Y	A	\$39,080,000	\$6,724,510		\$0	\$0	1/1/2034
8/14/2014	63 IDB		Jostens, Inc.	Michael Engelmeyer, VP Tax	00401(Lease)	ID-1	Y	A	\$6,575,719			\$100		12/31/2022
8/14/2014	63 IDB		Jostens, Inc.	Michael Engelmeyer, VP Tax	451 International Blvd./Real	ID-1	Y	B	\$17,723,153			\$100		12/31/2022
9/3/2014	63 IDB		MW/MB, LLC	Larry Bringard, Controller	1900 Corporate Pkwy. Blvd.	ID-1	Y	A	\$42,356,976	\$0			\$0	1/1/2021
9/23/2014	63 IDB		Sanderson Pipe Corporation	Michelle Poindexter, Asst. Controller	033 03314	ID-1	Y	A	\$11,000,000	\$1,000	\$0	\$69,080	\$0	2/28/2017
9/23/2014	63 IDB		Sanderson Pipe Corporation	Michelle Poindexter, Asst. Controller	033 01314 P	ID-1	Y	B	\$14,755,973	\$0	\$0	\$74,230	\$0	2/28/2017
9/30/2014	63 IDB		Trane US, Inc.	Joseph W. Gibbs, Attorney	041 02500 P	ID-1	Y	A	\$5,327,505	\$1,104,430	\$14,884	\$37,690	\$0	1/1/2017
9/30/2014	63 IDB		Three C Group, LLC	J. Thomas Trent, Jr., Attorney	057 01704	ID-4	Y	A	\$1,993,300	\$304,500		\$0	\$0	1/1/2020
11/20/2014	65 IDB		Heraeus Precious Metals N. America	Lisa Rutherford, Executive Director	1985 Knoxville Hwy.02701		N	A	\$750,000	\$9,500				5/31/2021
11/20/2014	65 IDB		Heraeus Precious Metals N. America	Lisa Rutherford, Executive Director	Lisa Rutherford, Executive Director		N	B	\$400,000	\$3,000				5/31/2022
9/22/2014	65 IDB		Tennier Industries, Inc.	Lane Duncan, Dir. Of Adm.	175 Burrville Road		Y	A	\$2,000,000	\$3,000				
11/20/2014	65 IDB		Tennier Industries, Inc.	Lisa Rutherford, Executive Director	175 Burrville Road	ID-1	Y	A	\$2,000,000	\$3,000				
11/20/2014	65 IDB		Tennier Industries, Inc.	Lisa Rutherford, Executive Director	179 Burrville Road	ID-1	Y	B	\$500,000					
6/10/2014	68 IDB		Cummings Recycling	John Carroll, Mayor, Perry Co.	084 02801	ID	Y	A	\$400,000	\$500	\$0	\$0		TBD
6/10/2014	68 IDB		Homeland	John Carroll, Mayor, Perry Co.	075 L 01200	ID	Y	A	\$24,000	\$2,000	\$0	\$0		TBD
6/10/2014	68 IDB		Homeland	John Carroll, Mayor, Perry Co.	075 L 01300	ID	Y	B						TBD
6/10/2014	68 IDB		NYX, Inc.	John Carroll, Mayor, Perry Co.	084 01406	ID	Y	A	\$3,072,600	\$150,000	\$0	\$0		TBD
9/16/2014	70 IDB		SouthNvest Holding, Inc.	Doshia Stein, VP of Finance	115 02000 P 006	ID-1	Y	A	\$397,012				\$0	12/31/2016
9/16/2014	70 IDB		SouthNvest Holding, Inc.	Doshia Stein, VP of Finance	115 02000 006	ID-1	Y	B	\$24,011				\$0	12/31/2016
9/9/2014	71 IDB		A & L Enterprises	Thomas Jones, Secretary	08111	ID-1	Y	A	\$2,000,000	\$0	\$0	\$0		12/31/2017
9/9/2014	71 IDB		A & L Enterprises	Thomas Jones, Secretary	08111P	ID-1	Y	B	\$2,345,000	\$0	\$0	\$0		12/31/2017
10/1/2014	71 IDB		Academy, Ltd.	J. Thomas Trent, Jr., Attorney	064 06600	ID-1	Y	A	\$0	\$1	\$0	\$0	\$0	7/18/2044
10/1/2014	71 IDB		ARCP Acquisitions, LLC	J. Thomas Trent, Jr., Attorney	064 06600	ID-1	Y	A	\$1,723,412	\$83,412	\$931	\$2,901	\$0	7/18/2044
9/26/2014	71 IDB		Institutional Wholesale Co., Inc.	John Mackie, Secretary/Treasurer	041 08104 000	ID-1	Y	A	\$2,985,900	\$698,200	\$3,641	\$19,933	\$0	1/1/2018
9/26/2014	71 IDB		Institutional Wholesale Co., Inc.	John Mackie, Secretary/Treasurer	041 08104 001	ID-1	Y	B	\$1,630,830	\$321,800	\$1,988	\$10,887		1/1/2018
9/30/2014	71 IDB		Royal Appliance Mfg. Co.	Claire Locy, Director, Tax	083 05201	ID-1	N	A	\$6,600,000	\$100	\$0	\$0	\$0	11/30/2032
9/30/2014	71 IDB		Royal Appliance Mfg. Co.	Claire Locy, Director, Tax	083 05201 P	ID-1	N	B	\$6,141,761	\$100	\$0	\$0	\$0	11/30/2032
9/10/2014	72 IDB		Goodman Manufacturing Co., LP	J. Mart Armstrong, Agent	083 01211	ID-1	Y	A	\$206,400	\$3,333		\$1,269		1/1/2017
9/18/2014	73 IDB		Dienamic Tooling Systems, Inc.	Mini Johnstone, Office Manager	303 Sam Rayburn Pkwy.	ID-1	Y	A	\$376,776	\$1	\$0	\$0	\$0	12/31/2021
9/24/2014	73 IDB		IVH, LLC	L. Barry Goss, President	031 0100	ID-6	N	A	\$17,908,734	\$31,250	\$0	\$0		2017
9/17/2014	73 IDB		Toho Temax America, Inc.	Steve Rivenbark, Controller	044 03211	ID-1	N	A	\$26,529,484	\$1	\$0	\$0		12/31/2015
8/12/2014	74 IDB		Burley Stabilization Corporation	Daniel Green, CEO	091 042	ID-1	N	A	\$2,438,300	\$0	\$7,567	\$1,049		12/31/2017
10/1/2014	74 IDB		Food Warning Equipment Co., Inc.	J. Thomas Trent, Jr., Attorney	038 06400 P	ID-1	Y	A	\$1,490,307	\$148,839	\$0	\$0	\$0	1/1/2025
10/1/2014	74 IDB		Kroger	Jeff Collins, Managing Partner	012 04004	ID	Y	A	\$12,500,000	\$125,000	\$11,506	\$57,723		2028
10/1/2014	74 IDB		Kyowa America Corporation	J. Thomas Trent, Jr., Attorney	026 00200	ID-1	Y	A	\$2,961,100	\$398,750	\$0	\$0	\$0	6/22/2022
10/1/2014	74 IDB		Kyowa America Corporation	J. Thomas Trent, Jr., Attorney	026 00200 P	ID-1	Y	B	\$9,460,334	\$859,749	\$0	\$0	\$0	12/31/2024
9/30/2014	74 IDB		Macy's Corporate Services, Inc.	Joseph W. Gibbs, Attorney	012 04000 P 000	ID-1	Y	A	\$7,513,150	\$1,720,754		\$40,030	\$0	1/1/2027
9/30/2014	74 IDB		Macy's Corporate Services, Inc.	Joseph W. Gibbs, Attorney	012 04000 P 002	ID-1	Y	B	\$9,522,014	\$789,677		\$0	\$0	1/1/2031
9/30/2014	74 IDB		Macy's Corporate Services, Inc.	Joseph W. Gibbs, Attorney	012 04000 000	ID-1	Y	A	\$18,546,200	\$4,143,719		\$131,752	\$0	1/1/2027
9/30/2014	74 IDB		Macy's Corporate Services, Inc.	Joseph W. Gibbs, Attorney	012 04000 001	ID-1	Y	B	\$14,597,500	\$2,000,000		\$0	\$0	1/1/2031
10/1/2014	74 IDB		Portland Capital Property, LLC	J. Thomas Trent, Jr., Attorney	038 06400	ID-1	Y	A	\$2,900,000	\$332,508	\$0	\$0	\$0	1/1/2024
10/1/2014	74 IDB		Sun Products	Jeff Collins, Managing Partner	012 039	ID	Y	A	\$20,000,000	\$206,250	\$19,167			2029
9/29/2014	74 IDB		Tate Ornamental, Inc.	Rob Apple	496 Sage Road	ID	Y	A	\$2,000,000	\$15,000	\$0	\$0	\$0	1/1/2016
8/13/2014	74 IDB		Titflex Corporation	Helen Loftus-Peri, Gen. Accountant	1116 Vaughn Pkwy.	ID-1	Y	A	\$5,941,000	\$41,600	\$0	\$0	\$0	1/1/2015
10/1/2014	74 IDB		Titflex Corporation	J. Grant Collins, Managing Partner	012 05900	ID	Y	A	\$9,000,000	\$41,600	\$11,904	\$42,206		2026
10/1/2014	74 IDB		Werthan Packaging, Inc.	J. Thomas Trent, Jr., Attorney	006 08001 P	ID-1	Y	A	\$2,666,856	\$311,072	\$0	\$0	\$0	1/1/2031
9/29/2014	75 IDB		Cosmolab, Inc.	Tom Byrne, VP Supply Chain	126 05029	ID-1	Y	A	\$2,337,500	\$100	\$0	\$0	\$0	2025
10/1/2014	75 IDB		Dalei America, Inc.	Darlene Taylor Marsh, Attorney	P13093182001	ID-1	Y	A	\$3,684,492	\$500,250	\$0	\$0	\$0	1/1/2024
9/30/2014	75 IDB		Federal-Mogul Corporation	Mark Whitelaw, Agent	123 99631 P 002	ID-1	Y	A	\$0	\$0	\$0	\$0	\$0	12/31/2013
10/1/2014	75 IDB		NHK Seating of America, Inc.	J. Thomas Trent, Jr., Attorney	126 05026	ID-1	Y	A	\$14,210,000	\$992,113	\$35,288	\$72,725	\$0	1/1/2024
10/1/2014	75 IDB		NHK Seating of America, Inc.	J. Thomas Trent, Jr., Attorney	P13093053000	ID-1	Y	B	\$14,399,692	\$1,485,962	\$0	\$0	\$0	1/1/2024
9/12/2014	75 IDB		Nissan North America, Inc.	Hailey Kirk, Mgr., Indirect Tax	983 Nissan Drive	ID-1	N	A	\$808,000,000	\$0	\$209,702	\$3,453,419	\$0	2/15/2022
9/5/2014	75 IDB		Nissan North America, Inc.	Hailey Kirk, Mgr., Indirect Tax	983 Nissan Drive	ID-1	N	A	\$159,432,435	\$0	\$478,512	\$1,349,621	\$0	9/1/2032
9/30/2014	75 IDB		Rich Products Corp.	William Snow, Sales Tax Mgr.	P33397150000	ID-1	Y	A	\$13,597,300	\$65,300	\$0	\$130,525	\$0	12/31/2022
9/17/2014	75 IDB		Saks Fifth Ave., Inc.	Donald Barnhill, Consultant	P13176000001	ID-1	N	A	\$13,243,614	\$21,217	\$100	\$100		12/31/2019
8/19/2014	75 IDB		Tipmann Realty Partners LLP	Jeff Hastings, CFO	2125 Joe B Jackson Pkwy.	ID-3	N	A	\$20,833,500	\$100				12/21/2010
9/3/2014	76 IDB		HBD Industries, Inc.	Kumar Patel, Tax Mgr.	0521 I 00900	ID-1	Y	A	\$1,222,300	\$100	\$0	\$0	\$0	11/17/2014
8/19/2014	76 IDB		JBL Group, Inc.	Donna Frogge, Secretary/Treasurer	051 016100	ID-1	Y	A	\$648,400	\$2,100	\$0			7/1/2015
8/8/2014	76 IDB		Miliken Design, Inc.	Elizabeth Owens, Adv. Tax Analyst	008 04701 000	ID-1	Y	A	\$2,038,100	\$5,000		\$0		1/1/2024
9/29/2014	76 IDB		New Generation Paving Products, LLC	Owner/President	030 04100	ID-1	A	A	\$908,400	\$3,577				

Date Received	County	IDB/HED	Lessee	Contact	E-mail Address	Property Description	Prop. Type Code	Assessor	Prop. Est. Value	Rent	PILOT/CI	PILOT/CO	L/H Tax	Date Penalty Letter Sent	Payment	Lease End
8/29/2016	1	IDB	400 Centridge Way	Sterling Crowder, Tax Director	tax@demetic.com	124 078.00.000	ID-1	Y	A \$18,450,110		\$132,003	\$135,906				12/31/2020
9/29/2016	1	IDB	Atwood Mobile Products, LLC	Ryan Irwin, Tax Accountant	tax@demetic.com	124 078.00.000	ID-1	N	A \$2,485,500	\$0	\$5,618	\$0			\$50	12/31/2022
9/29/2016	1	IDB	Atwood Mobile Products, LLC	Ryan Irwin, Tax Accountant	tax@demetic.com	124 078.00.002	ID-1	N	B \$1,842,889	\$0	\$0	\$0			\$0	12/31/2017
9/28/2016	1	IDB	Bohannan, Jeff	Jeff Bohannan, President	jeff.bohannan@coronet.com	111G 01802	ID-1	Y	A \$622,500	\$0	\$6,045	\$6,222			\$0	1/1/2019
9/28/2016	1	IDB	Bohannan, Jeff	Jeff Bohannan, President	jeff.bohannan@coronet.com	111G 01802 P	ID-1	Y	B \$5,798,562	\$0	\$6,572	\$8,825			\$0	1/1/2019
8/18/2016	1	HED	Capital Equities LLC	Indra Senanirne, Bookkeeper	indra@polynbuilders.com	078 0280-0-00286	HE-5	Y	A \$0							
8/18/2016	1	HED	Capital Equities LLC	Indra Senanirne, Bookkeeper	indra@polynbuilders.com	078 0280-0-00287	HE-5	Y	A \$0							
8/18/2016	1	HED	Capital Equities LLC	Indra Senanirne, Bookkeeper	indra@polynbuilders.com	078 0280-0-00288	HE-5	Y	A \$0							
9/29/2016	1	IDB	Centennial Village Apartments, LLC	Ridge Robinson, Regional VP	robinsonr@earthlink.net	NOF 0901001	ID12	N	A \$19,228,600	\$1	\$1,549	\$1			\$50	2/23/2030
11/1/2016	1	HED	Dogwood Manor Apartments	Myra Walker, Director of Housing	mywalker@dcid.org	Map 0940-B-0940 Parcel 003.00	20	N	A \$1,015,000	\$1	\$19,738	\$20,318			\$50	1/1/2028
9/27/2016	1	IDB	Dooley Properties	Nicholas Chase, Attorney	nickchase@enlaw.com	Map 0940-B-0940 Parcel 31.00	ID-8	N	A \$5,630,718	\$7,000	\$6,416	\$3,843			\$0	7/15/1905
8/11/2016	1	IDB	Guest House Alexander	Kimberly Hodge, Controller	kim@DOVERDEVELOPMENT.NET	078000100000	R	Y	A \$5,486,600	\$156,799	\$0	\$0			\$0	2020
9/12/2016	1	IDB	ISS Enterprises	Seaman Corporation	blay@issindustries.com	029 10P 002 090	ID-1	N	A \$1,942,544	\$10	\$10	\$10		12/1/2016	\$500	12/31/2016
11/3/2016	1	IDB	United Industries, Inc.	Vicky Ruster	vruster@seamancorp.com	069 02828 000	R	N	A \$1,028,300	\$20,000	\$50	\$50				
9/26/2016	1	IDB	United Industries, Inc.	Jennifer Shouer, Chief Financial Officer	jsouer@unitedindustries.com	Map 077 Parc 034.01	ID	Y	A \$1,344,800	\$0	\$6,665	\$9,489				12/31/2019
9/28/2016	2	IDB	Adcock Design Build Lease, LLC	Jan Anthony, Office Manager	janthony@adcock.com	078M A 078M 003.02000	ID1	Y	A \$26,000	\$0	\$6,462	\$8,891				1/1/2018
9/29/2016	2	IDB	BGE Investments	Kristy Byford, Sr Accountant	kristybyford@bgeexpress.com	Map 79 Parcel 9.00	ID-1	Y	A \$2,546,057	\$768,161	\$6,443	\$10,589				
8/15/2016	2	IDB	Justens, Inc.	Michael Engelmeier, VP Tax	michael.engelmeier@justens.com		ID-1	Y	A \$0							
9/22/2016	5	IDB	Alcoa Inc.	Rachel Petras, Senior Tax Accountant	rachel.petras@alcoa.com	09 09 046-068 00P002 012	ID1	Y	A \$13,771,560	\$1						1/1/2017
9/22/2016	5	IDB	Alcoa Inc.	Rachel Petras, Senior Tax Accountant	rachel.petras@alcoa.com	09 09 046-068 00P002 012	ID1	Y	B \$69,886,943	\$1						1/1/2017
8/16/2016	5	IDB	FNU Architects, LLC	Mark Stephens, Property Tax Admin.	mark.stephens@fnuarchitects.com	037D 00300 000	R	Y	A \$7,000,000		\$22,865	\$21,495				
9/21/2016	6	IDB	Amazon.com dedc LLC	Erin O'Neal, Property Tax Compliance Mgr.	erineal@amazon.com	015-027.00P000	ID1	Y	A \$6,629,867							
9/21/2016	6	IDB	Amazon.com dedc LLC	Erin O'Neal, Property Tax Compliance Mgr.	erineal@amazon.com	015-027.00 000	ID1	Y	B \$41,856,600			\$22,000				
9/22/2016	6	IDB	Duraell	MeShelle Fortune, Cleveland Plant Accountant	fortune.mi@duraell.com	042 005 05 004	ID1	Y	A \$2,961,623			\$180,000				12/31/2019
9/22/2016	6	IDB	Duraell	MeShelle Fortune, Cleveland Plant Accountant	fortune.mi@duraell.com	034P G 015 01 004	ID1	Y	B \$5,845,778							12/31/2019
8/24/2016	6	IDB	General Electric Company	Michael Powell, Manager-Property Taxes	powellmi@gc.com	003.18P012	ID1 PP	Y	A \$1,044,302	\$10	\$0	\$3,471			\$0	5/2017
9/30/2016	6	IDB	Wacker Polysilicon North America	Michael Powell, Manager-Property Taxes	powellmi@gc.com	003.18 000	ID1 RE	Y	B \$25,983,000	\$2,196,535		\$13,388			\$0	5/2017
9/30/2016	6	IDB	Wacker Polysilicon North America	Mary Hadley, Supervisor, Fixed Asset Accounting	Mary.Hadley@Wacker.com	010 028.00 000 - Personal	ID-1	Y	A \$559,103,442	\$0	\$0	\$1,940,061			\$0	12/31/2038
9/30/2016	6	IDB	Wacker Polysilicon North America	Mary Hadley, Supervisor, Fixed Asset Accounting	Mary.Hadley@Wacker.com	010 028.00 018 - Personal	ID-1	Y	C \$1,208,059	\$0	\$4,192	\$0			\$0	12/31/2038
9/30/2016	6	IDB	Wacker Polysilicon North America	Mary Hadley, Supervisor, Fixed Asset Accounting	Mary.Hadley@Wacker.com	010 028.00 015 - Personal	ID-1	Y	B \$1,769,209	\$0	\$0	\$6,139			\$0	12/31/2038
9/30/2016	6	IDB	Wacker Polysilicon North America	Mary Hadley, Supervisor, Fixed Asset Accounting	Mary.Hadley@Wacker.com	010 028.00 019 - Personal	ID-1	Y	D \$1,040,283	\$0	\$0	\$34,916			\$0	12/31/2038
9/30/2016	6	IDB	Wacker Polysilicon North America	Mary Hadley, Supervisor, Fixed Asset Accounting	Mary.Hadley@Wacker.com	042 017 03 003 - Personal	ID-1	Y	E \$1,380,555	\$0	\$4,790	\$0			\$0	12/31/2038
9/30/2016	6	IDB	Wacker Polysilicon North America	Mary Hadley, Supervisor, Fixed Asset Accounting	Mary.Hadley@Wacker.com	017 D 5 001 00 00 - Personal	ID-1	Y	A \$250,601	\$0	\$0	\$870			\$0	12/31/2038
9/30/2016	6	IDB	Wacker Polysilicon North America	Mary Hadley, Supervisor, Fixed Asset Accounting	Mary.Hadley@Wacker.com	010 028.00 000 - Real Property	ID-1	Y	B \$138,430,092	\$0	\$0	\$640,461			\$0	12/31/2038
9/16/2016	8	IDB	Cane Interiors, Inc.	Chris Anderson, General Manager	chris@cane-interiors.com	039 Parcel 091 40	ID		A \$4,180,400	\$7,200/mo						10/1/2017
9/20/2016	9	IDB	SOX Recycling, LLC	Monica Heath, Assistant Director	mckenzieindustry@gmail.com	001.00 MAP 012K	ID1	Y	A \$350,000	\$31,657	\$0	\$0				2023
8/19/2016	9	IDB	Bethel University	Lauren Cunningham, Director of Financial Affairs	cunninghaml@bethel.edu	073H 02021 000	9	Y	A \$442,700	\$31,800	\$66,006	\$166,969			\$0	10/1/2023
10/4/2016	9	IDB	Granges Americas Inc	Jana Burger, Regional Controller	jana.burger@granges.com	063069000000	ID-1	N	A \$9,890,800	\$0	\$168,525	\$356,475			\$500	1/1/2021
10/4/2016	9	IDB	Granges Americas Inc	Jana Burger, Regional Controller	jana.burger@granges.com	063069000004	ID-1	N	B \$117,744,512	\$0	\$68,429	\$144,746			\$0	one payment 1/1/2022
10/4/2016	9	IDB	Granges Americas Inc	Jana Burger, Regional Controller	jana.burger@granges.com	063069000002	ID-1	N	C \$62,996,965	\$0	\$36,612	\$77,444			\$0	one payment 1/1/2022
9/20/2016	9	IDB	Phipps Pharmacy	Monica Heath, Assistant Director	mckenzieindustry@gmail.com	088.23 MAP 11	ID1	Y	A \$20,000	\$425	\$0	\$0			\$0	2017
9/20/2016	9	IDB	Phipps Pharmacy	Monica Heath, Assistant Director	mckenzieindustry@gmail.com	088.24 MAP 11	ID1	Y	B \$20,000	\$425	\$0	\$0			\$0	2017
9/20/2016	9	IDB	Republic	Monica Heath, Assistant Director	mckenzieindustry@gmail.com	100T MAP 161	ID1	N	A \$225,000	\$2,000	\$0	\$0			\$0	2018
9/22/2016	9	IDB	Republic Doors & Frames, Inc.	Tammy Cole, Accounting Manager	tammyc@republicdoor.com	161 01001 000	ID1	N	A \$225,000	\$2,000	\$0	\$0			\$0	2018
9/20/2016	9	IDB	Republic Doors & Frames, Inc.	Monica Heath, Assistant Director	mckenzieindustry@gmail.com	026.00 MAP 029	ID1	N	A \$350,000	\$0	\$0	\$0			\$0	0
9/27/2016	10	IDB	Boria Properties, LLC	Allen Stower, Chief Financial Officer	allens@boria.com	NOF 121.00	R	Y	A \$3,500,000							1/1/2018
9/22/2016	13	IDB	OTR Tennessee, Inc.	Mike Seay, Director of Accounting	mseay@otrin.com	01 070 19 02	ID1	Y	A \$12,832,000		\$127,293					
9/22/2016	13	IDB	OTR Tennessee, Inc.	Mike Seay, Director of Accounting	mseay@otrin.com	01 070 19 02 P002	ID1	Y	B \$30,106,198			\$108,812				
8/16/2016	14	IDB	Tennessee Land Management, LLC	Ernest Martinez	ernestm@tennessee-landmanagement.com	06602615-000666	ID-8	Y	A \$2,300,000	\$2,500						
9/28/2016	14	IDB	Tennessee Land Management, LLC	Philip Matthews, President	philipmatthews@tennessee-landmanagement.com	066 026 15 000	ID-8	Y	A \$2,300,000	\$2,500						
9/28/2016	14	IDB	Tennessee Land Management, LLC	Philip Matthews, President	philipmatthews@tennessee-landmanagement.com	042 07021 000	18	Y	B \$300,000	\$1,500						
10/10/2016	15	IDB	Aeroprop Holdings LLC	Dana Wilds, Executive Asst	dwilds@cokecounty.com	047 001 05	ID-1	Y	A \$727,400	\$20,717	\$0	\$5,000				1/1/2019
10/10/2016	15	IDB	vacant	Dana Wilds, Executive Asst	dwilds@cokecounty.com	030 03702	ID-1	Y	A \$351,000	\$0	\$0	\$0			\$0	-
10/10/2016	15	IDB	vacant	Dana Wilds, Executive Asst	dwilds@cokecounty.com	047 001 15	ID-1	Y	A \$1,218,600	\$0	\$0	\$0			\$0	-
10/10/2016	15	IDB	vacant	Dana Wilds, Executive Asst	dwilds@cokecounty.com	047 001 08	ID-1	Y	A \$878,400	\$0	\$0	\$0			\$0	-
8/30/2016	16	IDB	Aspen Technologies, Inc.	Keith P. Quinn, V. / General Manager	kquinn@aspen-tech.net	016-095-02501		Y	A \$2,752,000	\$24,000/m						
2/25/2016	16	IDB	Fischer Tool & Die Corporation	Connie Fleury, Accounting Mgr.	cfleury@fischertool.com	111 00707 P 001	ID-1	Y	A \$1,864,500		\$8,860					1/1/2029
2/25/2016	16	IDB	Fischer Tool & Die Corporation	Connie Fleury, Accounting Mgr.	cfleury@fischertool.com	111 00707 P 000	ID-1	Y	B \$2,607,785		\$5,764					1/1/2029
2/25/2016	16	IDB	Fischer Tool & Die Corporation	Connie Fleury, Accounting Mgr.	cfleury@fischertool.com	111 00707 L	ID-1	Y	C -		-	-			-	-
9/8/2016	16	IDB	Goodrich Corporation DBA: Landing Gear	Jason Williams, Manager Tax	jason.williams@lge.com	016-124M-B-01100-P-001	ID1	Y	A \$4,405,364	\$0	\$10,925	\$34,142			\$0	12/31/2021
9/8/2016	16	IDB	Goodrich Corporation DBA: Landing Gear	Jason Williams, Manager Tax	jason.williams@lge.com	016-124M-B-01100-P-002	ID1	Y	B \$5,747,622	\$0	\$33,328	\$36,796				12/31/2025

Date Received	County	IDB/HED	Lessee	Contact	E-mail Address	Property Description	Prop. Type Code	Assessor	Prop.	Est. Value	Rent	PILOT/CI	PILOT/CO	L/H Tax	Date Penalty Letter Sent	Payment	Lease End
9/21/2016	57	IDB	Norhtsair Real Estate Income Operating Partnership	Greg North, Tax Director	greg.north@nkrklands.com	090300.025.01	ID-1	Y	A	\$16,950,000	\$140,280	\$0	\$36,669				5/15/2019
9/21/2016	57	IDB	Norhtsair Real Estate Income Operating Partnership	Greg North, Tax Director	greg.north@nkrklands.com	090300.025.02	ID-1	Y	B	\$1,055,300	\$0	\$0	\$0				5/15/2019
9/13/2016	57	IDB	Pacific Manufacturing Tennessee, Inc.	Hsiachi Seko, President	hseko@pacificind.com	090.025000.000	ID-1	Y	A	\$5,435,400	\$0	\$0	\$0				12/31/2029
9/13/2016	57	IDB	Pacific Manufacturing Tennessee, Inc.	Hsiachi Seko, President	hseko@pacificind.com	090.025000.P.001	ID-1	Y	B	\$1,480,995	\$0	\$0	\$0				12/31/2029
9/28/2016	57	IDB	Pinnacle Foods Group, LLC	Anthony Lowe, Vice President	anthony.lowe@pinnaclefoods.com	079.001.00P.006	ID-2	Y	A	\$79,765,078	\$29,265	\$26,814	\$29,265				1/1/2017
9/31/2016	57	IDB	PRR Holding I, LLC	Mary Ann Rowe, Sr. Corporate Tax Manager	marianr@portfoliocovers.com	021.04	ID-6	Y	A	\$277,322	\$210,758	\$1,338	\$1,466				1/1/2017
9/31/2016	57	IDB	PRR Holding I, LLC	Mary Ann Rowe, Sr. Corporate Tax Manager	marianr@portfoliocovers.com	03027031.04	ID-6	Y	A	\$1,104,700	\$491,769	\$2,434	\$26,700				1/1/2017
9/29/2016	57	IDB	Pringles Manufacturing Company	Reidner Kunde, Senior Manager	reidner.kunde@prn.com	07803000P008	ID-1	Y	A	\$37,500,000	\$0	\$0	\$0				12/31/2024
9/29/2016	57	IDB	Stanley Black & Decker	Sandra Witherspoon, Sr Financial Analyst	sandra.witherspoon@sbdrinc.com	027.021.003	1	Y	A	\$11,300,000	\$0	\$0	\$0				12/31/2024
10/24/2016	57	IDB	Stanley Black & Decker	Todd Kraser, President	todd@toddkraser.com	027.021.0P4000	1	Y	B	\$132,307	\$0	\$0	\$0				1/1/2016
9/16/2016	58	IDB	Lodge Manufacturing Company	Nathan Tabor, Controller	ntabor@lodgeemfg.com			N	A	\$3,265,825	\$100						12/31/2025
9/16/2016	58	IDB	Lodge Manufacturing Company	Nathan Tabor, Controller	ntabor@lodgeemfg.com			N	B	\$32,622,969	\$100						12/31/2024
9/16/2016	58	IDB	Lodge Manufacturing Company	Nathan Tabor, Controller	ntabor@lodgeemfg.com			N	C	\$742,726	\$100						12/31/2023
9/29/2016	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Manager	dustin.young@shawinc.com		ID1	Y	A	\$3,834,800							12/31/2021
9/29/2016	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Manager	dustin.young@shawinc.com		ID1	Y	B	\$115,900							12/31/2021
9/29/2016	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Manager	dustin.young@shawinc.com		ID1	Y	C	\$6,920,900							12/31/2029
9/29/2016	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Manager	dustin.young@shawinc.com		ID1	Y	D	\$6,309,864							12/31/2021
9/29/2016	58	IDB	Shaw Industries Group, Inc.	Dustin Young, Property Tax Manager	dustin.young@shawinc.com		ID1	Y	E	\$20,936,052							12/31/2029
10/3/2016	59	IDB	Calsonicdenso North America, Inc.	Robert D. James, Attorney	rdjames@bradley.com	071029001	ID1	Y	A	\$9,549,900	\$1,310,000	\$24,538	\$54,480				1/1/2027
10/3/2016	59	IDB	Calsonicdenso North America, Inc.	Robert D. James, Attorney	rdjames@bradley.com	07102900P022	ID1	Y	B	\$5,676,797	\$8,764,208	\$20,536	\$45,603				1/1/2027
10/3/2016	59	IDB	Calsonicdenso North America, Inc.	Robert D. James, Attorney	rdjames@bradley.com	07102900P026	ID1	Y	C	\$7,007,088	\$881,295	\$0	\$0				1/1/2023
10/3/2016	59	IDB	Calsonicdenso North America, Inc.	Robert D. James, Attorney	rdjames@bradley.com	07102901P001	ID1	Y	D	\$487,500	\$47,125	\$1,035	\$2,297				1/1/2027
9/23/2016	59	IDB	Calsonicdenso North America, Inc.	Robert D. James, Attorney	rdjames@bradley.com	07102901P002	ID1	Y	E	\$30,951,355	\$3,237,649	\$145,862	\$65,683				1/1/2024
9/23/2016	59	IDB	Ditech Corporation USA, Inc.	Christien LeBlanc, Controller	christien@ditectesting.com	15700	ID	N	A	\$1,105,700	\$40,001	\$18,013	\$40,001				1/1/2025
9/23/2016	59	IDB	Ditech Corporation USA, Inc.	Christien LeBlanc, Controller	christien@ditectesting.com		ID	N	B	\$1,206,878	\$5,250	\$11,658	\$5,250				1/1/2025
9/8/2016	59	IDB	Pioneer Development II	Anthony Beyer, Secretary/Treasurer	tombeyer@yahoo.com	07102901	ID1	Y	A	\$10,534,300	\$368,667	\$30,520	\$67,776				1/1/2027
9/8/2016	59	IDB	Heil Ave. Properties	Anthony Beyer, Secretary/Treasurer	tombeyer@yahoo.com		ID1	N	A	\$3,774,000	\$0	\$4,257	\$0				12/31/2023
10/3/2016	59	IDB	Nichirin Tennessee, Inc.	Robert D. James, Attorney	rdjames@bradley.com	071038000001	ID1	Y	A	\$1,130,700	\$209,550	\$6,558	\$14,563				1/1/2016
10/3/2016	59	IDB	Nichirin Tennessee, Inc.	Robert D. James, Attorney	rdjames@bradley.com	07103800P002	ID1	Y	B	\$120,882	\$60,441	\$513	\$1,139				1/1/2013
10/3/2016	59	IDB	Nichirin Tennessee, Inc.	Robert D. James, Attorney	rdjames@bradley.com	07103800P003	ID1	Y	C	\$149,989	\$74,994	\$637	\$1,414				1/1/2014
10/3/2016	59	IDB	Nichirin Tennessee, Inc.	Robert D. James, Attorney	rdjames@bradley.com	07103800P004	ID1	Y	D	\$346,691	\$173,345	\$1,471	\$3,268				1/1/2016
10/3/2016	60	IDB	Baxter Enterprises	Robert D. James, Attorney	rdjames@bradley.com	08903901	ID1	Y	A	\$1,352,700	\$271,500	\$0	\$0				1/1/2024
10/3/2016	60	IDB	BTMU Leasing & Finance Inc.	Robert D. James, Attorney	rdjames@bradley.com	12701416P	ID1	Y	A	\$2,691,221	\$452,736	\$10,463	\$16,922				1/1/2017
9/14/2016	60	IDB	Clarcor, Inc.	Chris White, Vice President - Tax	chris.white@clarcor.com	101.034.30.000	ID-1	Y	A	\$7,199,659	\$0	\$20,043	\$36,147				1/1/2025
9/14/2016	60	IDB	Clarcor, Inc.	Chris White, Vice President - Tax	chris.white@clarcor.com	101.034.30.P003	ID-1	Y	B	\$2,641,129	\$0	\$2,854	\$5,579				1/1/2025
10/3/2016	60	IDB	General Motors, LLC	Troy D. Kennedy, Tax Staff	troy.d.kennedy@gm.com	See Form											
10/3/2016	60	IDB	Inasen Bucyus Technology Inc.	Robert D. James, Attorney	rdjames@bradley.com	12701416	ID1	Y	A	\$2,743,900	\$561,020	\$0	\$0				1/1/2021
10/3/2016	60	IDB	Inasen Bucyus Technology Inc.	Robert D. James, Attorney	rdjames@bradley.com	12701416P	ID1	Y	B	\$9,713,822	\$1,818,926	\$7,647	\$12,961				1/1/2017
10/3/2016	60	IDB	Samuel, Son & Co., Inc.	Joseph W. Gibbs, Attorney	jgibbs@bradley.com	66202	ID1	Y	A	\$5,047,500	\$995,992	\$0	\$0				1/1/2031
9/9/2016	60	IDB	Sekisui Plastics USA, Inc.	Patrick M. Carter, Attorney	pcarter@siglawfirm.com	07126041.12	ID-1	Y	B	\$1,437,700	\$100	\$9,316	\$0				12/30/2016
10/3/2016	60	IDB	Sekisui Plastics USA, Inc.	Patrick M. Carter, Attorney	pcarter@siglawfirm.com	07126041.12	ID-1	Y	B	\$1,061,669	\$100	\$5,160	\$8,966				12/30/2016
10/3/2016	60	IDB	Spring Hill 56 Building II, LLC	Christopher A. Bowles	cbowles@babbc.com	02401803	ID1	Y	A	\$12,855,800	\$491,099	\$0	\$0				1/1/2022
10/3/2016	60	IDB	Spring Hill 56 Building II, LLC	Christopher A. Bowles	cbowles@babbc.com	02401802	ID1	Y	A	\$6,811,300	\$471,250	\$0	\$0				1/1/2022
10/3/2016	63	IDB	AHC Clarksville Inc.	Robert D. James, Attorney	rdjames@bradley.com	05401110	ID1	Y	A	\$6,059,600	\$224,750	\$30,056	\$74,412				1/1/2016
10/3/2016	63	IDB	Airgas Merchant Gases LLC	Robert D. James, Attorney	rdjames@bradley.com	09001401	ID1	Y	A	\$2,642,063	\$166,176	\$0	\$0				1/1/2024
10/3/2016	63	IDB	Airgas Merchant Gases LLC	Robert D. James, Attorney	rdjames@bradley.com	09001401B32	ID1	Y	B	\$15,452,010	\$2,174,857	\$0	\$0				1/1/2024
9/22/2016	63	IDB	Alebono Brake Corporation	Alex Bellovary, Tax Director	03301305	ID1	Y	A	\$13,000,000								12/31/2022
9/22/2016	63	IDB	Alebono Brake Corporation	Alex Bellovary, Tax Director	03301305	ID1	Y	A	\$12,791,619								12/31/2016
9/22/2016	63	IDB	MHCB (USA) Leasing & Finance Corporation	Alex Bellovary, Tax Director	03301305	ID1	Y	D	\$12,083,332								12/31/2016
9/22/2016	63	IDB	MHCB (USA) Leasing & Finance Corporation	Alex Bellovary, Tax Director	03301305	ID1	Y	D	\$11,316,329								12/31/2017
9/22/2016	63	IDB	MHCB (USA) Leasing & Finance Corporation	Alex Bellovary, Tax Director	03301305	ID1	Y	E	\$16,525,201								12/31/2017
9/22/2016	63	IDB	Alebono Brake Corporation	Alex Bellovary, Tax Director	03301305	ID1	Y	F	\$6,000,000								12/31/2024
9/22/2016	63	IDB	MHCB (USA) Leasing & Finance Corporation	Alex Bellovary, Tax Director	03301305	ID1	Y	G	\$9,809,298								12/31/2020
10/3/2016	63	IDB	American Snuff Company LLC	Robert D. James, Attorney	rdjames@bradley.com	01500700P	ID1	Y	A	\$30,912,100	\$1,000,000		\$262,745				1/1/2021
12/8/2016	63	IDB	Bridgestone Metalpath USA, Inc.	Reed Edd, Controller	reed.edd@metapath.com	066.006.10	ID-1	Y	A	\$30,000,000	\$808,460	\$0	\$0				12/13/2016
12/8/2016	63	IDB	Bridgestone Metalpath USA, Inc.	Reed Edd, Controller	reed.edd@metapath.com		ID-1	Y	B	\$7,813,420	\$0	\$0	\$0				12/13/2018
12/8/2016	63	IDB	Bridgestone Metalpath USA, Inc.	Reed Edd, Controller	reed.edd@metapath.com		ID-1	Y	C	\$54,202,437	\$0	\$0	\$0				12/13/2016
10/3/2016	63	IDB	Bridgestone Metalpath USA, Inc.	Robert D. James, Attorney	rdjames@bradley.com	03902100	ID1	Y	A	\$6,719,000	\$279,125		\$64,242				1/1/2025
10/3/2016	63	IDB	Bridgestone Metalpath USA, Inc.	Robert D. James, Attorney	rdjames@bradley.com	081.1201001P	ID1	Y	A	\$404,112	\$30,308	\$0	\$0				1/1/2019
9/30/2016	63	IDB	Esquire Wire, Inc.	Michael Mathys, Secretary	mmathys@brimusa.com	033.006.04.001	ID1	N	A	\$32,917,407		\$0	\$0				12/31/2023
9/28/2016	63	IDB	Foxman, LLC	Stephen J. Jasper, Member	slasper@basberry.com	See Form	ID-1	Y	A	\$22,790,200	Note 1	N/A	\$0				1/1/2039
9/28/2016	63	IDB	Foxman, LLC	Stephen J. Jasper, Member	slasper@basberry.com	Personal Property	ID-1	Y	B	\$1,000,000	Note 1	N/A	\$0				1/1/2039
9/28/2016	63	IDB	Foxman, LLC	Stephen J. Jasper, Member	slasper@basberry.com	03902100	ID1	Y	A	\$64,905	\$10,512	\$598	\$598				1/1/2019
10/3/2016	63	IDB	Henneco Semiconductors, LLC	Debra McLaughlin, Sr Tax Analyst	debra.mclaughlin@dawcorinc.com	No longer Leases	ID1										1/1/2020
10/3/2016	63	IDB	HSCPC, LLC	Robert D. James, Attorney	rdjames@bradley.com	031.12001	ID1	Y	A	\$586,400	\$117,638	\$0	\$0				1/1/2020
8/15/2016	63	IDB	Jostens, Inc.	Michael Englemeyer, VP Tax	michael.englemeyer@jostens.com	03601.000.06.033.063.000	ID-1	Y	A	\$635,719	\$100		\$100				12/31/2022
8/15/2016	63	IDB	Jostens, Inc.	Michael Englemeyer, VP Tax	michael.englemeyer@jostens.com	Various personal property	ID-1	Y	B	\$14,066,808			\$100				12/31/2022

附件 11

DESCRIPTIVE STATISTICS FOR TAX INCENTIVE PROGRAMS

2015 Report to the Legislature
Covering Calendar Year 2014 Activity

Vikki Smith, Director
Washington State Department of Revenue



BUSINESS AND OCCUPATION TAX RATE REDUCTION
SOLAR ENERGY SYSTEMS

Under RCW 82.04.294, a preferential B&O tax rate of 0.275 percent is available for the manufacturing of solar energy systems using photovoltaic modules or stirling converters, or of manufacturing solar grade silicon, silicon solar wafers, silicon solar cells, thin film solar devices, or compound semiconductor solar wafers to be used exclusively in components of such systems.

This preferential tax rate is also available to those in the business of making sales at wholesale of solar energy systems using photovoltaic modules or stirling converters, or of solar grade silicon, silicon solar wafers, silicon solar cells, thin film solar devices, or compound semiconductor solar wafers to be used exclusively in components of such systems, manufactured by that person.

"Compound semiconductor solar wafers" means a semiconductor solar wafer composed of elements from two or more different groups of the periodic table.

"Module" means the smallest non-divisible self-contained physical structure housing interconnected photovoltaic cells and providing a single direct current electrical output.

"Photovoltaic cell" means a device that converts light directly into electricity without moving parts.

"Silicon solar cells" means a photovoltaic cell manufactured from a silicon solar wafer.

"Silicon solar wafers" means a silicon wafer manufactured for solar conversion purposes.

"Solar energy system" means any device or combination of devices or elements that rely upon direct sunlight as an energy source for use in the generation of electricity.

"Solar grade silicon" means high-purity silicon used exclusively in components of solar energy systems using photovoltaic modules to capture direct sunlight. "Solar grade silicon" does not include silicon used in semiconductors.

"Stirling converter" means a device that produces electricity by converting heat from a solar source utilizing a Stirling engine.

"Thin film solar devices" means a nonparticipating substrate on which various semiconducting materials are deposited to produce a photovoltaic cell that is used to generate electricity.

This incentive expires June 30, 2017.

The following data are required to be included in the descriptive statistics report for this tax incentive:

- Dollar amount of tax saved;
- Total jobs for program participants;
- Percentage breakdown of total jobs: full-time, part-time, and temporary;
- Total jobs for program participants according to annual wages paid of
 - o Less than \$30,000
 - o \$30,000 to \$59,999
 - o \$60,000 or more; and
- Number of jobs that receive employer-provided benefits - medical, dental, and retirement - by wage band.

The information specified above is contained in the following tables of this chapter for the six businesses that claimed the tax incentive during Calendar Year 2014. Although not required by statute, some of the tables provide a breakdown of program participants by size of business, based on total Washington employment.

**SALES/USE TAX DEFERRAL/EXEMPTION
INVESTMENTS BY HIGH TECHNOLOGY FIRMS**

The high technology deferral/exemption program was established in 1994, effective January 1, 1995. It is codified as chapter 82.63 RCW. The program provides a deferral and ultimate waiver of state and local sales and use taxes on construction of facilities and purchase of eligible machinery by firms engaged in the same five areas of high technology as the B&O tax credit (Chapter 7). These activities are:

- Advanced computing,
- Advanced materials,
- Biotechnology,
- Electronic device technology, and
- Environmental technology.

Expenditures eligible for the deferral are the construction of facilities in which research and development activities are conducted, as well as pilot scale manufacturing plants - not the actual full-scale manufacturing facilities. Acquisition of machinery necessary to conduct R&D activities also qualifies for the deferral.

The 1994 statute allowed only a deferral of the sales/use tax liability; repayment was to start the third year following completion of the facility with repayments occurring over the subsequent five years. Different repayment schedules were provided for a cancer research institute and firms that develop drugs or biological products which required FDA licensing. The following year, a provision was added which basically turned the deferral into an exemption, because the deferred taxes did not need to be repaid if the facility and/or machinery continued to be used for qualified R&D purposes for at least the following seven years.

The original law provided the deferral/exemption only for a ten-year period. In 2004, the expiration date was extended to January 1, 2015.

The 1994 statute directed the Department to perform three assessments of the program; reports were produced in 1997, 2000, and 2003. This requirement was amended in 2004 and the current accountability provisions were added to RCW 82.63.020. Now taxpayers who take the sales tax deferral/exemption must file an annual survey containing specified information, pursuant to RCW 82.32.585. The survey must be initially filed by April 30 of the year after the investment project is certified by the Department as being operationally complete. Thereafter, the taxpayer must also file the survey in each of the subsequent seven years. Based on this data, the Department compiles the summary statistics which are presented in this report.

Descriptive Statistics for Tax Incentive Programs

2017 Report to the Legislature
Covering Calendar Year 2016 Activity



Vikki Smith, Director
Washington State Department of Revenue

Chapter 4 - High Technology Industry

Four high technology industry incentives require a participant to submit an annual survey. This chapter shows the cumulative results for each incentive with three or more participants. Incentives not utilized or containing confidential taxpayer information are listed in the executive summary.

High technology sales and use tax deferral

Businesses engaged in certain high technology research and development activities or pilot scale manufacturing are eligible for a deferral of sales and use taxes on charges for construction, expansion, or renovation of facilities and purchases of eligible machinery and equipment. The deferral becomes a waiver of the tax if the business maintains qualified business activities for eight years. Participants submitted applications for this deferral prior to January 1, 2015. (RCW 82.63)

Incentive amount by participant size

Employment size of participant	Participants	Incentive claimed
Less than 50	27	\$5,995,364
50 to 250	33	\$24,915,198
More than 250	41	\$315,577,389
Total	101	\$346,487,951

Incentive amounts by high technology category^{*}

High technology category	Participants	Incentive claimed
Advanced Computing	34	\$199,979,344
Advanced Materials	14	\$18,542,519
Biotechnology	42	\$92,375,791
Electronic Device	32	\$21,599,478
Environmental Tech	12	\$14,037,999
Total	134	\$346,535,130

^{*}Totals do not agree with the above table due to rounding and participants reporting under multiple technology categories.

Chapter 5 - Renewable Energy Industry

Three renewable energy industry incentives require a participant to submit an annual survey. This chapter shows the cumulative results for each incentive with three or more participants. Incentives not utilized or containing confidential taxpayer information are listed in the executive summary.

Solar energy systems manufacturers or wholesalers B&O reduced tax rates

The B&O tax rate on manufacturing of solar energy systems or the production of silicon components for these systems is 0.275 percent until July 1, 2027. If no preferential rate existed, the rate would be 0.484 percent. (RCW 82.04.294)

Incentive amount by participant size

Employment size of participant	Participants	Incentive claimed
Less than 10	3	\$9,439
More than 10	3	\$112,089
Total	6	\$121,528

Job status by participant size

Employment size of participant	WA employees	Full-time* (%)	Part-time* (%)	Temporary* (%)
Less than 10	6	66.7	33.3	0.0
More than 10	389	98.9	1.0	0.2
Total	395	98.4	1.4	0.2

* The total percentage for the employment status may not total 100% due to participant answers.

Benefits by annual wage

Annual wage	WA employees	Medical	Dental	Retirement
Less than \$30,000	28	20	20	0
\$30,000 - \$60,000	108	97	100	64
More than \$60,000	259	248	255	237
Total	395	365	375	301

Rural county sales and use tax deferral

Manufacturers investing in qualifying counties are eligible for a deferral of retail sales and use tax on charges for the construction, expansion, or renovation of facilities and purchases of eligible machinery and equipment when those projects are located in a county based on the population density of an average of less than 100 residents per square mile or whether the county contained a CEZ. The deferral becomes a waiver of the tax if the business maintains qualified business activities for eight years. Participants submitted applications for this deferral prior to July 1, 2010. (RCW 82.60)

Incentive amount by participant size

Employment size of participant	Participants	Incentive claimed
Less than 50	66	\$15,667,293
50 to 250	43	\$13,777,339
More than 250	23	\$17,588,261
Total	132	\$47,032,893

Job status by participant size

Employment size of participant	WA employees	Full-time* (%)	Part-time* (%)	Temporary* (%)
Less than 50	1,153	81.8	15.6	2.6
50 to 250	5,134	92.3	3.0	4.6
More than 250	17,732	95.1	2.3	2.6
Total	24,019	93.9	3.1	3.0

* The total percentage for the employment status may not total 100% due to participant answers.

Benefits by annual wage

Annual wage	WA employees	Medical	Dental	Retirement
Less than \$30,000	4,077	2,162	2,048	1,909
\$30,000 - \$60,000	12,697	10,491	10,041	9,181
More than \$60,000	7,245	6,638	6,309	6,527
Total	24,019	19,291	18,398	17,617

Innovations and evidence

Employment size of participant	New products or processes	New research projects	Patents	Copyrights	Trademarks
Less than 50	105	3	0	0	6
50 to 250	45	30	1	0	21
More than 250	96	455	34	0	27
Total	246	488	35	0	54

附件 12

Washington State Department of Revenue

[Services](#) > [Incentive Reporting Public Disclosure](#)

Tax Incentive Public Disclosure

2017	View Survey Summary	View Reports
2016	View Survey Summary	View Reports
2015	View Survey Summary	View Reports
2014	View Survey Summary	View Reports
2013	View Survey Summary	View Reports

Certain tax preferences require the business claiming them to file either an Annual Report or Annual Survey. The information contained in the Annual Report is disclosable to the public. It is mostly employee wage and benefits data and does not include the dollar value of the tax preference claimed. The Annual Survey contains the dollar value of the tax preference claimed in addition to employee wage and benefit data. However, only the dollar value of the tax preference is publically disclosable. A business may ask the amount not be disclosed if it is less than \$10,000.

IMPORTANT

All information is originally supplied by the business and has not necessarily been verified by the Department through audit or other direct examination of the business's books and records. The information contained in some of the Surveys and Reports may change each time the data is published as the Department reviews and validates the submitted information.

Group Results By:

- ☒ Account Id
- ☐ Incentive Program

Select a Program to search by:

Incentive Survey Results for: 2014

[Export to Spreadsheet](#)

REC SOLAR GRADE					
Account Id	Business Name	Non Disclosure	Program	Amount	Annual Deferral Amount
602-313-434					
	REC SOLAR GRADE SILICON LLC	☐	Rural County Sales & Use Tax Deferral	2,343,062.00	292,882.75
	REC SOLAR GRADE SILICON LLC	☐	Solar Energy Systems Manufacturers or Wholesalers	598,131.47	0.00

2 Rows

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Washington State Department of Revenue

[Services](#) > [Incentive Reporting Public Disclosure](#)

Tax Incentive Public Disclosure

2017	View Survey Summary	View Reports
2016	View Survey Summary	View Reports
2015	View Survey Summary	View Reports
2014	View Survey Summary	View Reports
2013	View Survey Summary	View Reports

Certain tax preferences require the business claiming them to file either an Annual Report or Annual Survey. The information contained in the Annual Report is disclosable to the public. It is mostly employee wage and benefits data and does not include the dollar value of the tax preference claimed. The Annual Survey contains the dollar value of the tax preference claimed in addition to employee wage and benefit data. However, only the dollar value of the tax preference is publically disclosable. A business may ask the amount not be disclosed if it is less than \$10,000.

IMPORTANT

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Group Results By:

- ☒ Account Id
- ☐ Incentive Program

Select a Program to search by:

Incentive Survey Results for: 2015

[Export to Spreadsheet](#)

REC SOLAR GRADE					
Account Id	Business Name	Non Disclosure	Program	Amount	Annual Deferral Amount
602-313-434					
	REC SOLAR GRADE SILICON LLC	☐	Solar Energy Systems Manufacturers or Wholesalers	311,888.47	0.00
	REC SOLAR GRADE SILICON LLC	☐	High Technology Sales & Use Tax Deferral	579,757.00	72,469.63
	REC SOLAR GRADE SILICON LLC	☐	Rural County Sales & Use Tax Deferral	2,343,062.00	292,882.75

3 Rows

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[Services](#) > [Incentive Reporting Public Disclosure](#)

Tax Incentive Public Disclosure

2017	View Survey Summary	View Reports
2016	View Survey Summary	View Reports
2015	View Survey Summary	View Reports
2014	View Survey Summary	View Reports
2013	View Survey Summary	View Reports

Certain tax preferences require the business claiming them to file either an Annual Report or Annual Survey. The information contained in the Annual Report is disclosable to the public. It is mostly employee wage and benefits data and does not include the dollar value of the tax preference claimed. The Annual Survey contains the dollar value of the tax preference claimed in addition to employee wage and benefit data. However, only the dollar value of the tax preference is publically disclosable. A business may ask the amount not be disclosed if it is less than \$10,000.

IMPORTANT

All information is originally supplied by the business and has not necessarily been verified by the Department through audit or other direct examination of the business's books and records. The information contained in some of the Surveys and Reports may change each time the data is published as the Department reviews and validates the submitted information.

Group Results By:

- ☒ Account Id
- ☐ Incentive Program

Select a Program to search by:

Incentive Survey Results for: 2016

[Export to Spreadsheet](#)

REC SOLAR GRADE					
Account Id	Business Name	Non Disclosure	Program	Amount	Annual Deferral Amount
602-313-434					
	REC SOLAR GRADE SILICON LLC	☐	Solar Energy Systems Manufacturers or Wholesalers	57,610.00	0.00
	REC SOLAR GRADE SILICON LLC	☐	High Technology Sales & Use Tax Deferral	579,757.00	72,469.63
	REC SOLAR GRADE SILICON LLC	☐	Rural County Sales & Use Tax Deferral	2,343,062.00	292,882.75

3 Rows

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Washington State Department of Revenue

[Services](#) > [Incentive Reporting Public Disclosure](#)

Tax Incentive Public Disclosure

2017	View Survey Summary	View Reports
2016	View Survey Summary	View Reports
2015	View Survey Summary	View Reports
2014	View Survey Summary	View Reports
2013	View Survey Summary	View Reports

Certain tax preferences require the business claiming them to file either an Annual Report or Annual Survey. The information contained in the Annual Report is disclosable to the public. It is mostly employee wage and benefits data and does not include the dollar value of the tax preference claimed. The Annual Survey contains the dollar value of the tax preference claimed in addition to employee wage and benefit data. However, only the dollar value of the tax preference is publically disclosable. A business may ask the amount not be disclosed if it is less than \$10,000.

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Group Results By:

- ☒ Account Id
- ☐ Incentive Program

Select a Program to search by:

Incentive Survey Results for: 2017

[Export to Spreadsheet](#)

REC SOLAR GRADE					
Account Id	Business Name	Non Disclosure	Program	Amount	Annual Deferral Amount
602-313-434					
	REC SOLAR GRADE SILICON LLC	☐	Solar Energy Systems Manufacturers or Wholesalers Sales & Use Tax Exemption	186,686.94	0.00
	REC SOLAR GRADE SILICON LLC	☐	Rural County Sales & Use Tax Deferral	2,050,396.00	256,299.50
	REC SOLAR GRADE SILICON LLC	☐	Solar Energy Systems Manufacturers or Wholesalers	267,302.84	0.00
	REC SOLAR GRADE SILICON LLC	☐	High Technology Sales & Use Tax Deferral	579,757.00	72,469.63

4 Rows

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附件 13

非保密概要

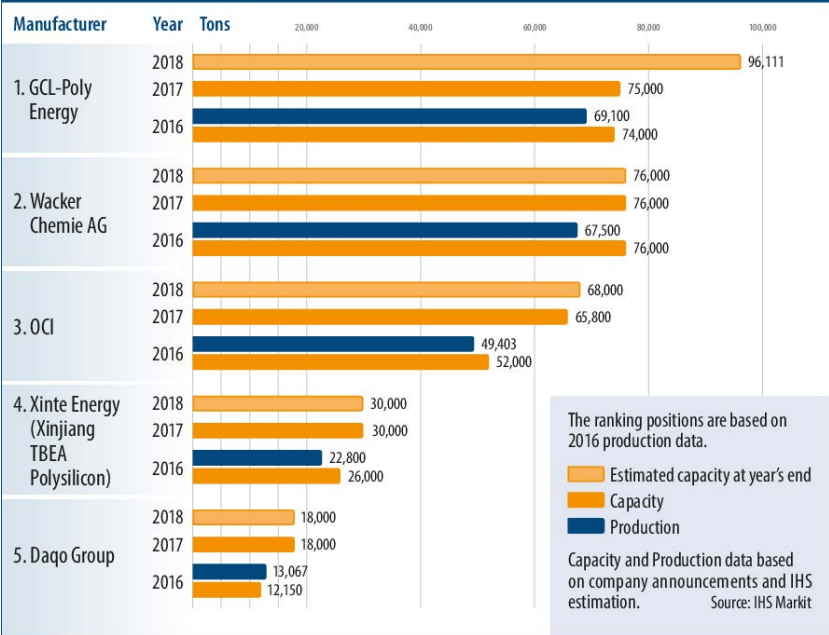
附件 13：申请人同类产品生产、经营及财务数据。

本附件内容为申请书正文部分所提供的申请人的生产、经营和财务数据的底层数据及相关证明材料，属于申请人的商业秘密，故申请保密。

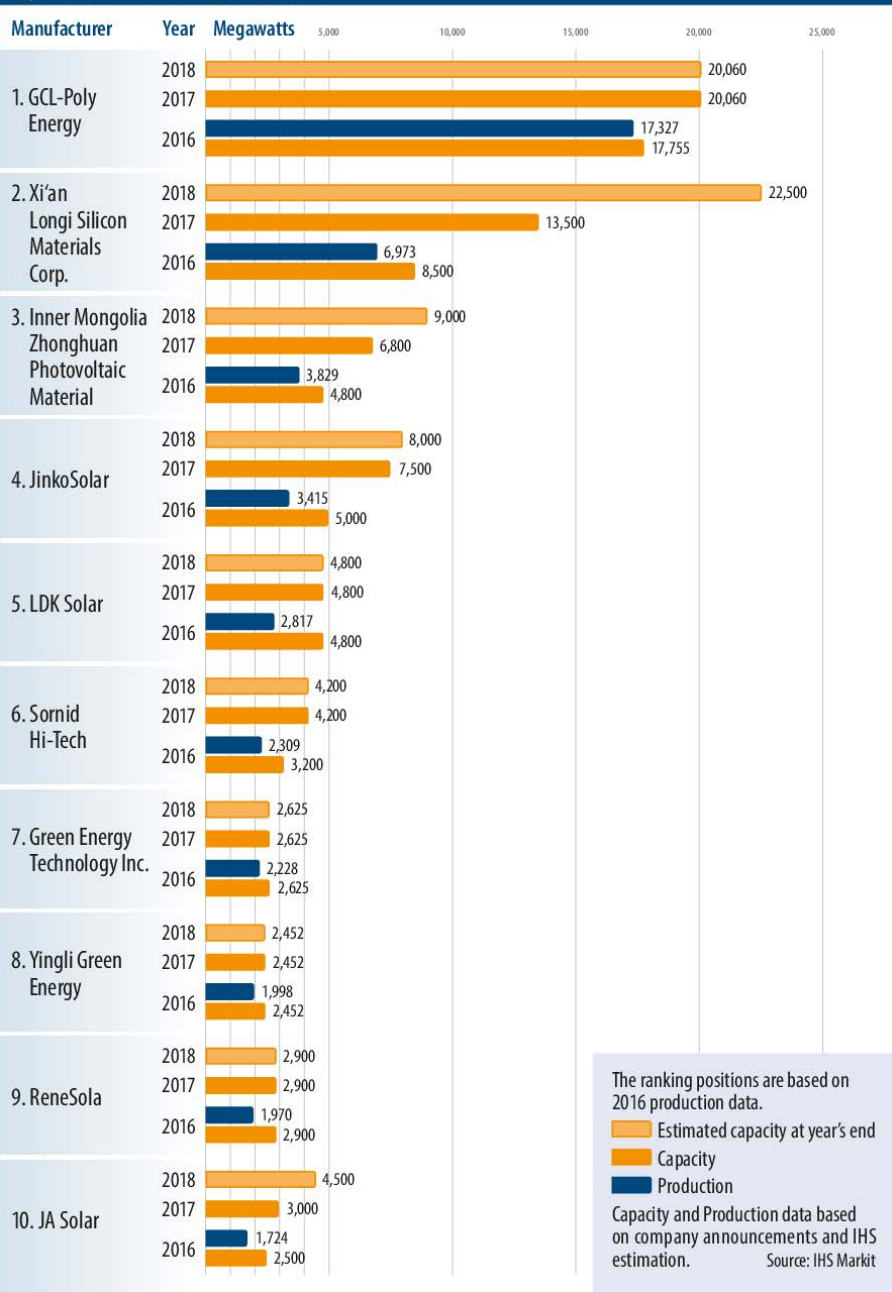
在申请书公开版本的正文部分，已经以指数形式提供了上述数据的非保密概要，其他利害关系方可以合理理解。

附件 14

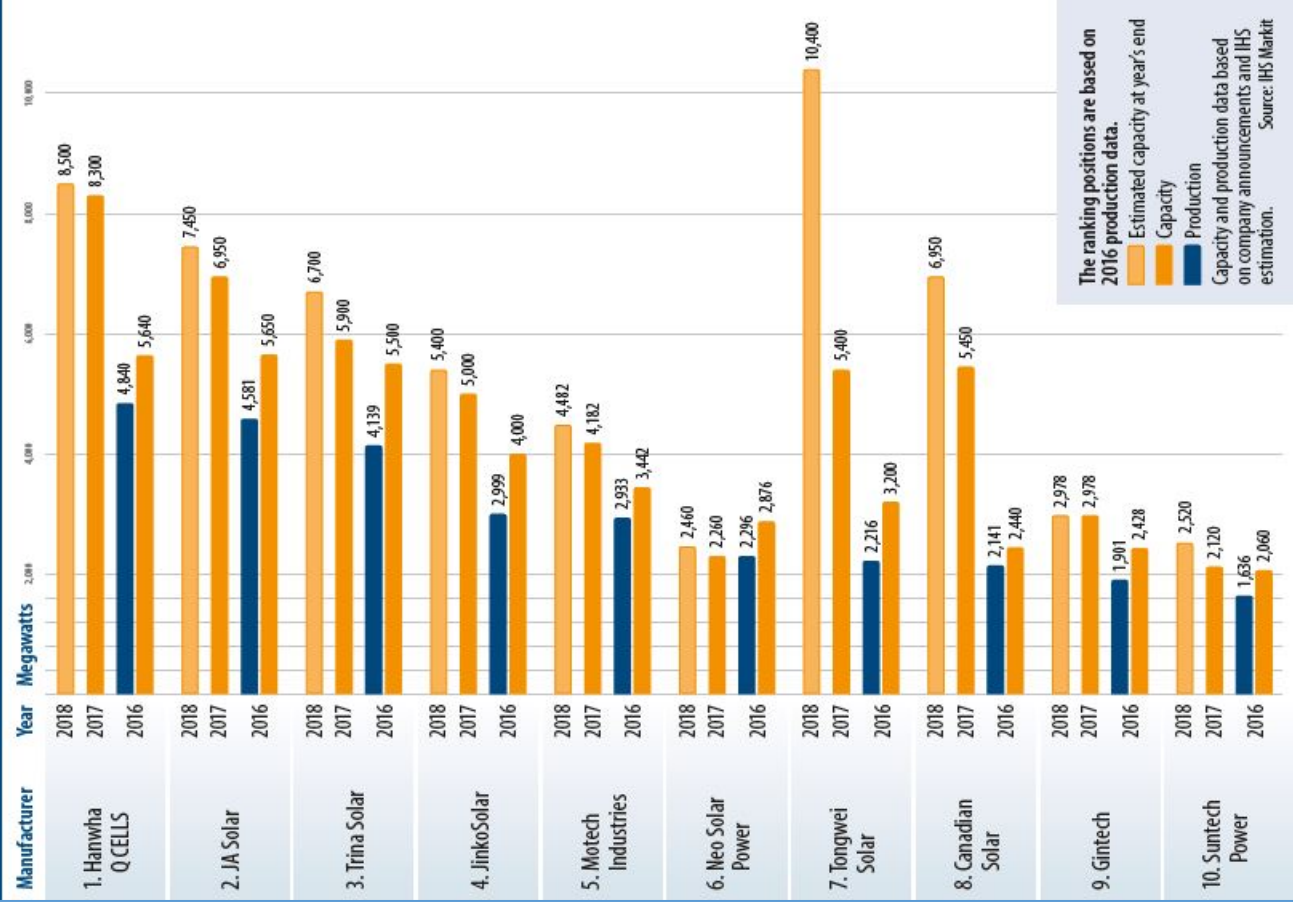
Top five polysilicon manufacturers 2016–2018



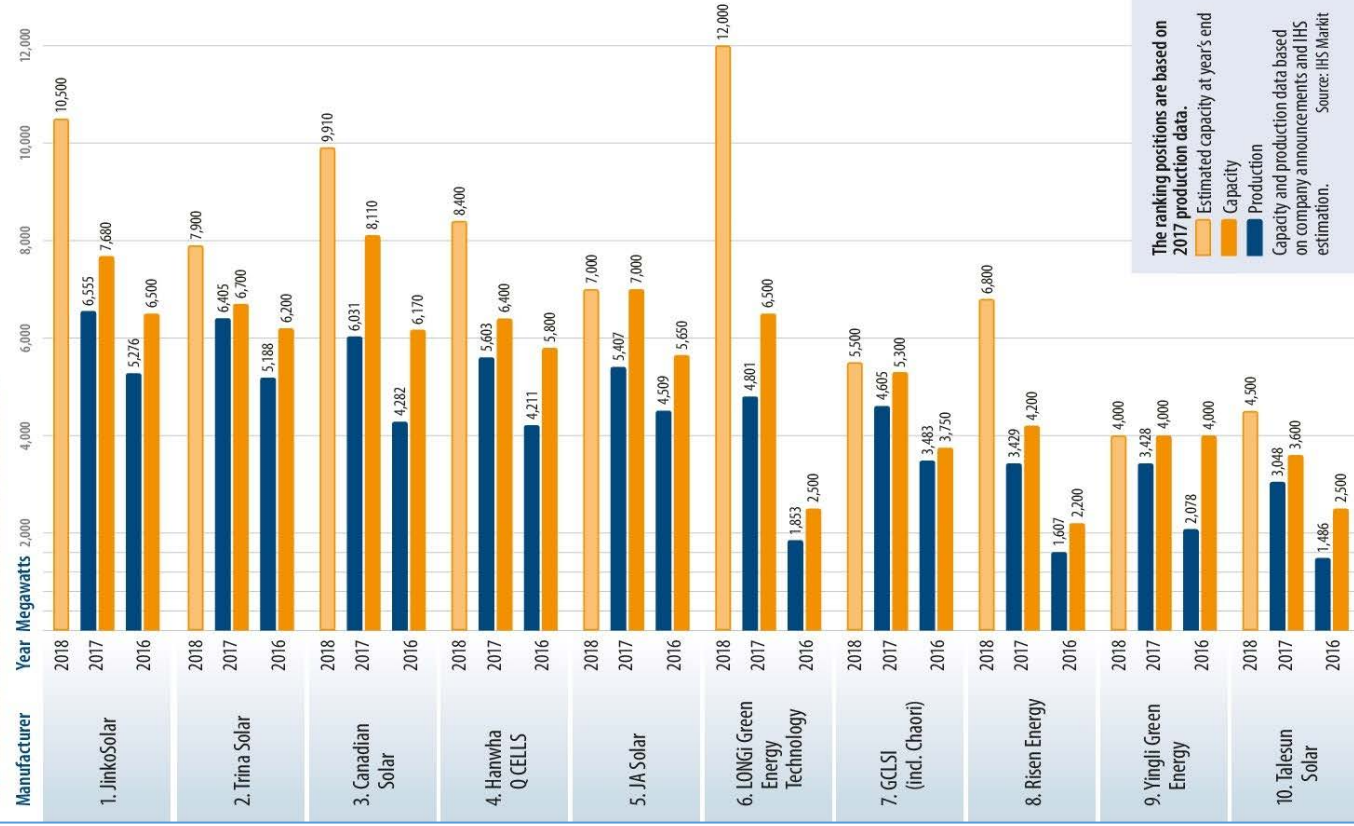
Top ten wafer manufacturers 2016–2018



Top ten PV cell suppliers 2016–2018



Top 10 solar module manufacturers in 2017



附件 15

非保密概要

附件 15: IHS 多晶硅和硅片产能、产量数据。

该报告统计了全世界主要多晶硅和硅片企业的产能和产量。因涉及版权和商业秘密，故申请保密。

附件 16

PHOTOVOLTAICS REPORT



Prepared by

Fraunhofer Institute for Solar Energy
Systems, ISE

with support of

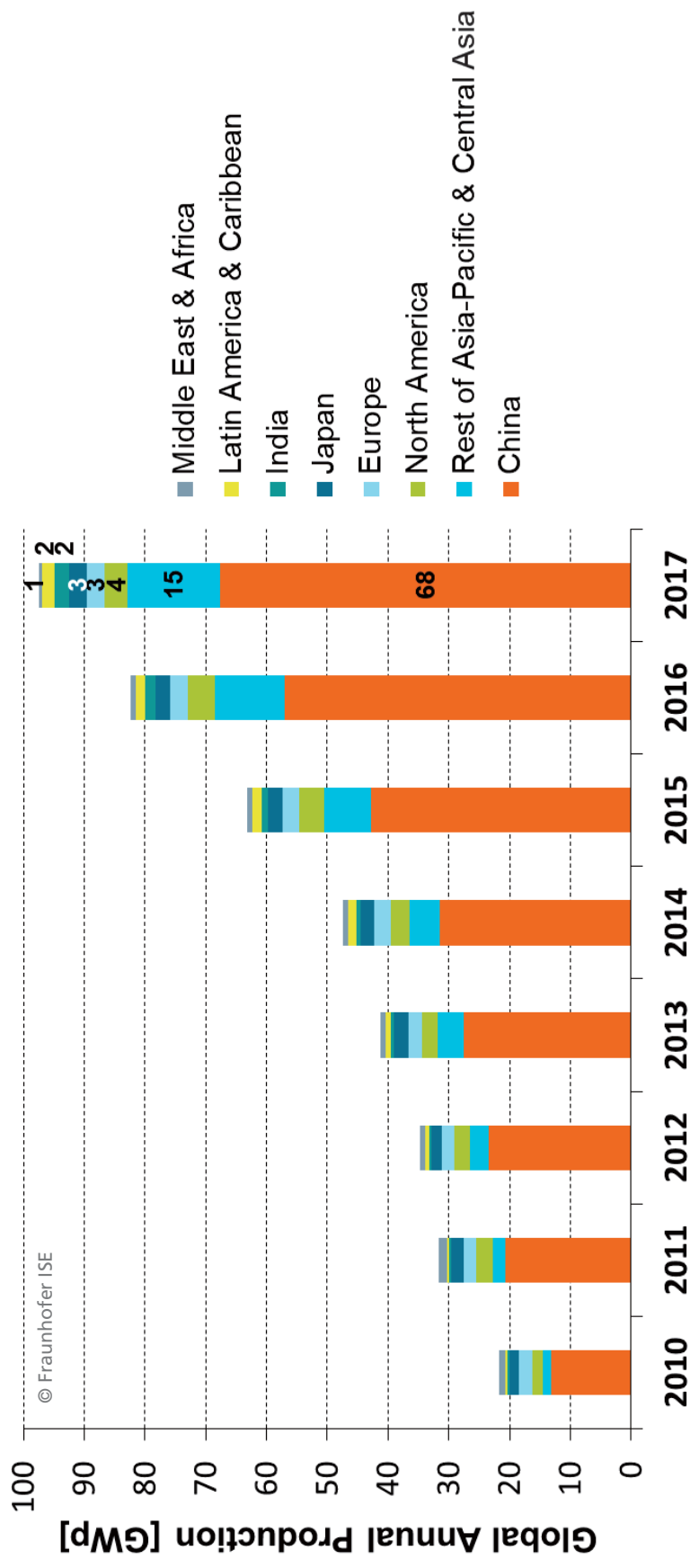
PSE Conferences & Consulting GmbH

Freiburg, 27 August 2018

www.ise.fraunhofer.de

PV Industry Production by Region

Global Annual Production



Data: Up to 2009: Navigant Consulting; since 2010: IHS. Graph: PSE GmbH 2018

附件 17



Global Market Outlook

For Solar Power / 2018 - 2022

Supported by:

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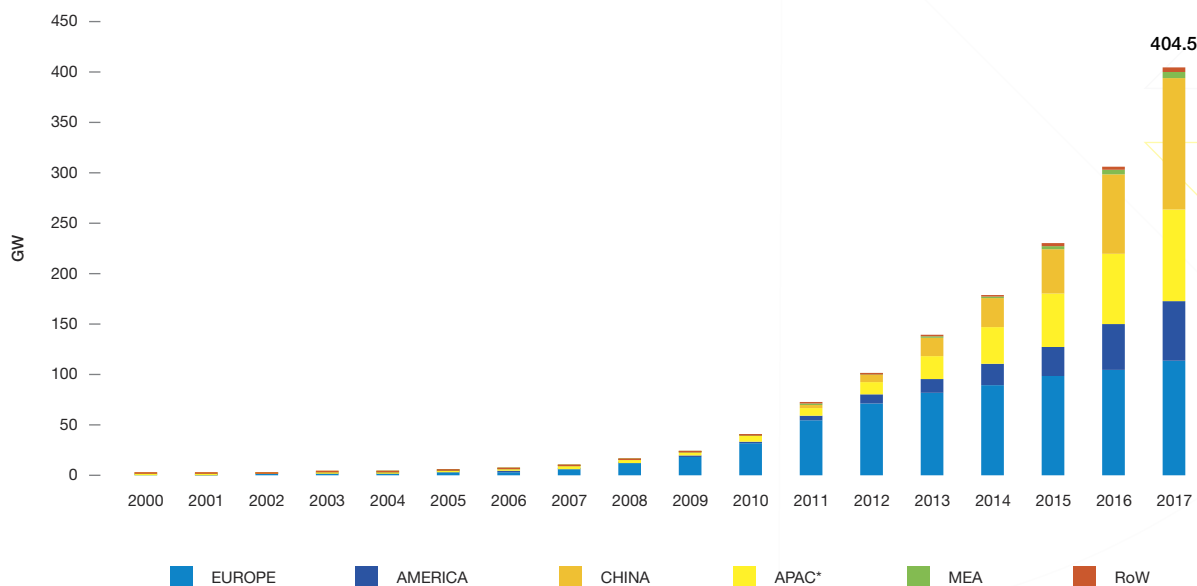


Global
Solar
Council



**SolarPower
Europe**

FIGURE 6 EVOLUTION OF GLOBAL TOTAL SOLAR PV INSTALLED CAPACITY 2000-2017



*APAC excl. China

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In 2017, almost as much solar was installed in one year (99.1 GW) as the world had installed in total in 2012 (100.9 GW). This led to a total global solar power capacity of over 400 GW in 2017, after solar exceeded the 300 GW mark in 2016 and the 200 GW level in 2015.

The cumulative installed solar PV power capacity grew by 32% to 404.5 GW by the end of 2017, up from 306.4 GW in 2016 (see Fig. 6). In only 10 years, the world's total PV capacity increased by over 4,300% – from 9.2 GW in 2007. From the beginning of the century, when the grid-connected solar era began with the start of Germany's feed-in tariff scheme, total solar power has grown by nearly 255 times.

The Asia-Pacific region expanded its solar market leadership in 2017. After adding 73.7 GW in 2017, it had 221.3 GW of total installed capacity, equal to a 55% global market share (see Fig. 7). After Asia-Pacific had become the largest solar-powered region in the world

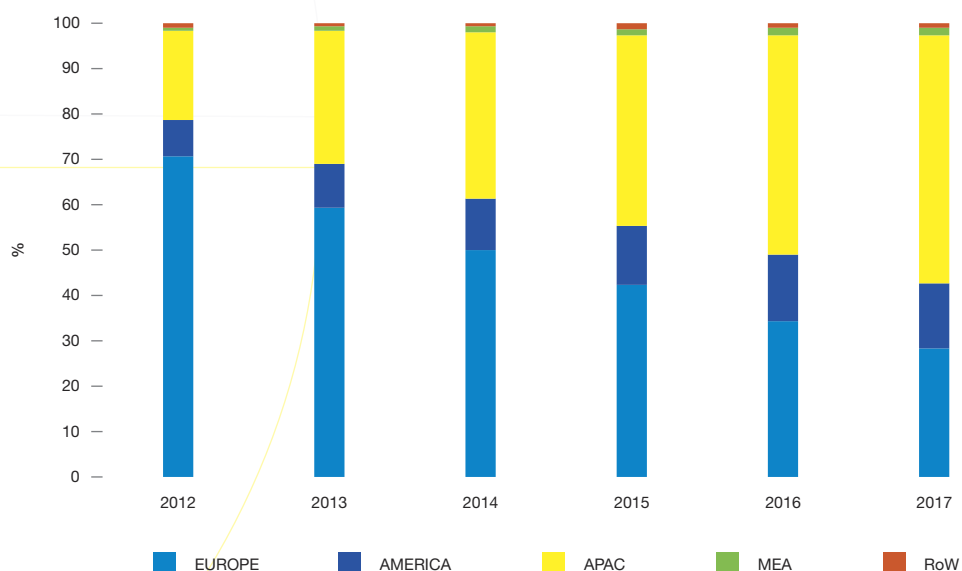
in 2016, it now even owns more than half of the global power generation capacity. The European solar pioneers are still ranked second, but its share slipped to 28% based on a cumulative PV capacity of 114 GW. The American Continent remained on the third position – with a total installed capacity of 59.2 GW and a 15% stake. The Middle East and Africa lost again market share. After adding 2.1 GW in 2017, the total solar capacity of 6.9 GW equals a world market share of 1.7%.

China alone operates now nearly 1/3 of the world's solar power generation capacities (see Fig. 8). This 32.3% is a strong uptick from 2016, when China's share was 25% and it had taken over the No. 1 position as the country hosting the world's largest solar power generation fleet for the first time. Like in the previous year, China was trailed by the US and Japan. While the US overtook Japan, both lost market shares in 2017. The US' total installed capacity reached 51.5 GW, equal to a market share of 12.7%;

30%

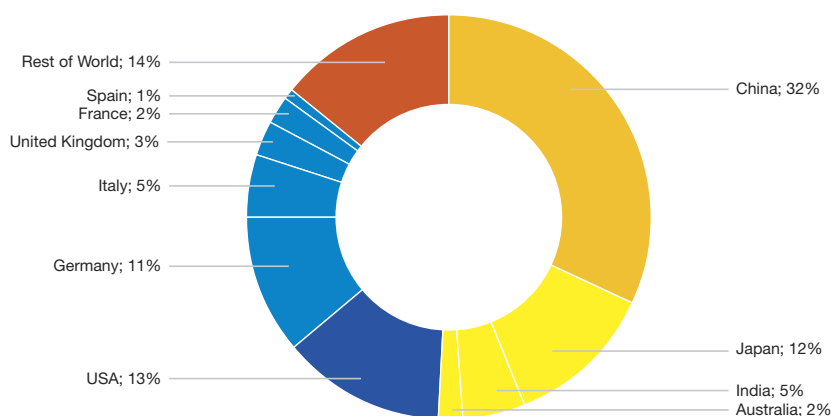
solar global market
growth
Now at 100 GW a year

FIGURE 7 EVOLUTION OF TOTAL INSTALLED GLOBAL SOLAR PV CAPACITY 2012-2017



© SOLARPOWER EUROPE 2018

FIGURE 8 GLOBAL TOP 10 SOLAR PV MARKETS TOTAL INSTALLED SHARES BY END OF 2017



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Japan's 49.3 GW resulted in a 12.2% global share, compared to 14% and 13.8% in 2016, respectively. In 2017, again no European country was among the top 3 solar power generating countries. Though Germany could defend its fourth rank as the only other country with a two-digit global share, its comparatively low 2017 installations of 1.8 GW mean a drop in market share down to 10.6%, from 13.4% in 2016. The new addition in the top 5 and first time above the 10 GW solar generation capacity

level is India, which doubled its total PV capacity in 2017 to 19 GW and a 4.7% market share.

The further two countries with solar capacities exceeding 10 GW at the end of 2017 were again Italy at 19.4 GW and the UK at 12.7 GW. All other countries in the top 10 have installed volumes that are somewhat distant from the 10 GW mark – France (8 GW), Australia (7.3 GW) and Spain (5.6 GW) – and are unlikely to reach that level in 2018, according to our estimates.